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of Others in Accessible Collaborative RIAs**

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A Systematic Literature Review on Awareness of Others in Accessible Collaborative RIAs

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Abstract. The more robust and dynamic aspects of Web 2.0 applications (also named Rich Internet Applications, RIAs) stimulate the participation and collaboration among people while interacting with such shared interaction spaces. An evident consequence (*e.g.* Facebook, Instagram, and Twitter) is the increasing influence of RIAs on other media channels as TV and newspapers. However, the current state-of-art of Web 2.0 does not provide equitable opportunities of interaction for people. Accessibility in RIAs is still a challenging objective. Also, for aspects as awareness of others on RIAs that provided collaboration features the development of accessible mechanisms is not restricted to semantic markup but it also involves data structures, politeness, load of data, and other characteristics. This technical report presents a Systematic Literature Review process designed for investigating the aspect of awareness of others in accessible collaborative RIAs; it also reports included and excluded studies and the data collected from the reviewed studies.

Keywords: Web 2.0, Accessibility, Systematic Literature Review.

1 Introduction

The Web is no longer a collection of static content made available through URLs [GIBa]. The second wave of Web sites, also known as Web 2.0 brought significant innovations not only restricted to technology but also on social aspects [BUR, BAR]. In the Web 2.0 aspects as user participation, collaboration, real-time interaction, awareness of others, and social networking are in the spotlight [GIBa, MORb, GIBb]. Also, websites are evolving to Web applications, renamed Rich Internet Applications (RIAs) [LUN]. Such applications are increasingly becoming more robust and some of them can already rival to desktop applications. Mesbah *et al.* [MES] points some reasons: no installation effort on the client-side; everybody using the most recent version; access from anywhere with Internet access (both to applications and user data); new collaboration and community building opportunities.

Interaction spaces in RIAs can be highly dynamic, and content updates in a RIA can involve responses for user requests and environment updates (*i.e.*, updates automatically triggered by the RIA). Both the types of updates occur without needing reloading the whole page, in such cases they are called asynchronous. The environment updates are especially important in collaborative RIAs *i.e.* RIAs in which users collaborate with each other in shared interaction spaces. A significant amount of such updates are concerned in enabling awareness of others' identity, presence, actions, objects, etc.

The novel possibilities enabled by RIAs are essential to support relevant aspects Web 2.0 as participation and collaboration. On the other hand, there is an increasing concern in the access to RIAs. RIAs should not only be accessible by every person but also provide equivalent possibilities of participation and collaboration [MORa]. Initially focused on people with disabilities and AT (Assistive Technologies e.g. voice browsers, screen readers) used by them to access computer applications [ELL], accessibility can be extended to every person since people are different in diverse aspects and also affected by context [AKH, MORb] and temporary constraining situations. Accessibility features are not restricted to the User Interface (UI), they can also influence the application structure and overall features [JES]. Semantic markup is a relevant resource for providing accessible means

for Web content. In (collaborative) RIAs semantics must also provide information about state transitions and the dynamic updates in the (shared) interaction space, especially those related to awareness of others.

Since RIAs involves the investigation and proposition of new standards, design patterns, authoring tools, development frameworks, script languages, user agents, and other supportive technologies; there is currently diverse researches and products coming from academy, industry, non-profitable organizations, and some joint actions. However, the knowledge about this research topic is still fragmented and usually results in a lack to standardized behavior of the existing RIAs. As a consequence, people, especially those with disabilities, face several problems while interacting with RIAs [BUZ, SCH], even whether using RIAs built on development frameworks [MIK].

This text presents a Systematic Literature Review (SLR) of studies approaching awareness of others in collaborative accessible RIAs aiming at identifying possible guidelines for the area. The objective of the SLR is composed of four review questions that involves: (1) disabilities being considered, and the geographical and publishing distribution, (2) awareness of others, (3) recommendations, guidelines and design patterns (called of RecGuidPat for means of simplification), and (4) technologies. The review questions are formally defined in the review planning (Section 3). The SLR is divided in three parts: (1) provides an overview of the reviewed studies and focus on aspects related to the first two review questions, (2) investigates RecGuidPat that have the potential for contributing for accessibility in RIAs (3) compiles every technology mentioned, evaluated, proposed or extended by the reviewed studies. This text presents the review process designed for this SLR and the data collected in the data extraction activity.

This text is organized as follows: Next section presents background information in which this SLR is situated. Following, we present the designed SLR process. After, the SLR results and, finally, the final considerations.

2 Background

The term Web 2.0 was proposed by Tim O'Reilly [ORE] in order to identify a movement towards a more participative and collaborative Web. Web 2.0 does not imply a new version of the Web; it coexists with those traditional static page-oriented websites. Rather, Web 2.0 applications involve existing and novel technologies in order to produce high dynamic and interactive applications. This shift from navigation through pages to applications more likely to desktop applications motivated another concept, the Rich Internet Applications (RIAs). Initially focused on Flash- and ActionScript-based applications, currently RIAs are widely employed to refer Web applications, regardless technology.

The innovation stimulated by the (collaborative) RIAs brings challenges for accessibility. Some issues in the development process are: limited capabilities for crawling and evaluating dynamic content [VEL], low adherence to accessibility guidelines [ODE, JUT], the limited or absent participation of people with disabilities [FOG], the reduced number of experts in the area [FOG], just for a few examples. Also, common issues present in (collaborative) RIAs are navigation history not properly stored in user agents [ODE], lack of awareness of asynchronous content updates, and overload of notifications. Moreover RIAs represent a change of interaction paradigm since people that use AT as screen readers are tied to a linear navigation approach, while content updates in RIAs can move focus from an area to another of the application without following a rigid sequence.

The challenging objective of developing accessible Web content that provide access for people with different skills without segregating them, instigated the development of accessibility guidelines (*e.g.* WCAG 2.0 [W3Cc], Section508 [USA]), authoring tools (*e.g.* Dojo¹, Google Web Toolkit - GWT²), evaluation tools (*e.g.* semi-automatic evaluation³), techniques (*e.g.* [GAV, THI]), among other resources. For RIAs, W3C also provides a set of guidelines, the WAI-ARIA [W3Cb] that provides additional roles, states, and properties

¹ <http://dojotoolkit.org/>.

² <https://developers.google.com/web-toolkit/>.

³ Examples are: <http://achecker.ca/checker/index.php> and <http://www.cynthiasays.com/>.

to the markup in order to expose dynamic updates and the semantic of widgets to the assistive technology. Also, the HTML5 brings diverse contributions to semantics as the elements "head", "footer", "nav" (currently implemented using "div"s, which lacks semantic value), new more advanced input types, and a better integration to scripts.

3 Review Process

This research systematically reviewed the emerging topic of accessibility in (Collaborative) Rich Internet Applications, focusing on contributions regarding awareness of others. Since scope of Rich Internet Applications is broad, studies regarding this theme are spread across various not specialized channels *e.g.*, congress tracks and periodicals approaching Web.

The review process adopted in this research considered the recommendations from Kitchenham [KIT], that proposed a systematic review process for the Software Engineering community, based on the Cochrane Reviewer's Handbook [COC], the guidelines from Australian National Health and Medical Research Council [AUS], and the CRD guidelines [KHA]. Systematic reviews aim at retrieving as many studies that fit to the research objectives as possible using an unbiased search strategy [KIT]. In that context digital libraries play an important role as concentrators of studies from different sources as journals, congress, and others. Systematic reviews can be used for a number of objectives as understanding chronology of an topic, identifying similarities and conflicts among works, identifying the state of art of technologies employed to address a certain demand, measuring the quality of studies following a set of criteria, suggesting future research indications.

Some of the features that differentiate a systematic review from a conventional literature review are [KIT]: a) It starts by defining a review protocol that establishes the research questions being addressed and the methods employed for the review; b) It is based on a defined and documented search strategy, so that both results and analysis can be reproduced and/or assessed; and c) studies inclusion and exclusion criteria are made explicit.

The conducted review is organized in three stages: Planning, Conducting, and Reporting. The adopted presentation structure follows the main elements proposed by *Khan et al.*

[KHA]. Most of the elements in a systematic review (*e.g.*, studies selection and data extraction) are supposed to be iteratively enhanced. Next subsections present details of the review elements.

3.1 Planning

In order to perform a systematic review it is necessary to elaborate a review protocol. The protocol defines how the elements of a SLR will be conducted. Also, an important objective of a review protocol is to reduce biases along the review process. Next we describe the review protocol adopted in this research.

3.1.1 Review Questions

As the objective of this research is to gather the knowledge spread across different channels regarding accessibility and awareness in (collaborative) RIAs, we divided our research in 4 review questions (see Table 1). The first question aims at identifying the emerging standards for RIAs; the second, the characteristics and approaches of the existing software (including diverse the stages of the RIAs' lifecycle); the third, the disabilities been addressed by the studies and the level of involvement of persons in the software development; the fourth, the aspects directly related to awareness in (collaborative) RIAs. Together, those questions compound a wide overview of the state of art of accessibility in (collaborative) RIAs.

Table 1. Primary and secondary review question and their respective motivation.

Review Question	Motivation
RQ1. What are the disabilities being approached in the studies involving accessibility in (collaborative) RIAs? RQ1.1. Where (geographically speaking) such studies are being conducted? RQ1.2. What is the focus of their contributions?	This review question aims at understanding the scenario of investigating regarding this research topic, by identifying the approached disabilities, geographical distribution (since context can play an important role in the design of RIAs), and the studies' contributions.

<p>RQ2. There exist studies approaching awareness of others in collaborative RIAs?</p>	<p>WAI-ARIA represents an important contribution to address awareness of updates in RIAs. Consequently, it can also be used to expose information for awareness of others in (collaborative) RIAs. On the other hand, awareness of others is not just a matter of exposing every event in a collaborative environment [THI]. It can vary significantly according to users preferences and needs, timing, space, information density, and so on.</p>
<p>RQ3. What are the sets of recommendations, guidelines, patterns that contribute for (awareness of others in) accessible (collaborative) RIAs?</p>	<p>The establishment of standards for accessibility in (collaborative) is still far due to barriers as: it represents an emerging topic and still relies on the enhancement of diverse standards and technologies. Some indications are the current working draft of HTML5 [W3Ca], which brings more semantics and scripts orientation to the markup, and the proposal of new widgets by script libraries and authoring tools (<i>e.g.</i> Dojo and JQueryUI). On the other hand there are already some relevant guidelines sets (<i>e.g.</i> [W3Cb]) and patterns (<i>e.g.</i> [FOG]) that can contribute for the review topic.</p>
<p>RQ4. What are the technologies being used, proposed, and/or considered in the development of accessible (collaborative) RIAs?</p>	<p>When the W3C promotes a set of guidelines, software manufacturers start a gold rush, since it can represent a differential in relation to the other players. This is especially true when considering user agents (<i>e.g.</i> web browsers, multimedia players). Unfortunately the great availability of tools does not ensure the quality of websites and RIAs. So that, it becomes relevant to identify prototypes, libraries and other types of tools that aims at enhancing quality through the RIAs lifecycle.</p>

The review questions were addressed in the further elements of the review protocol. Details will be presented in the next subsections.

3.1.2 Review methods

The methods employed in the review process (see Figure 1) consisted of: studies selection, data extraction, and data synthesis. The studies selection is composed of two steps; the first consists of automatic retrieving studies from digital libraries, and the second is a manual inclusion or exclusion activity of studies based on a set of predefined criteria. The data extraction is based on a data extraction form built according to the review questions previously presented. The studies selected for the review are supposed to be submitted to the data extraction. The data synthesis aims at analyzing and obtaining relevant information from the data extracted in order to answer the review questions.

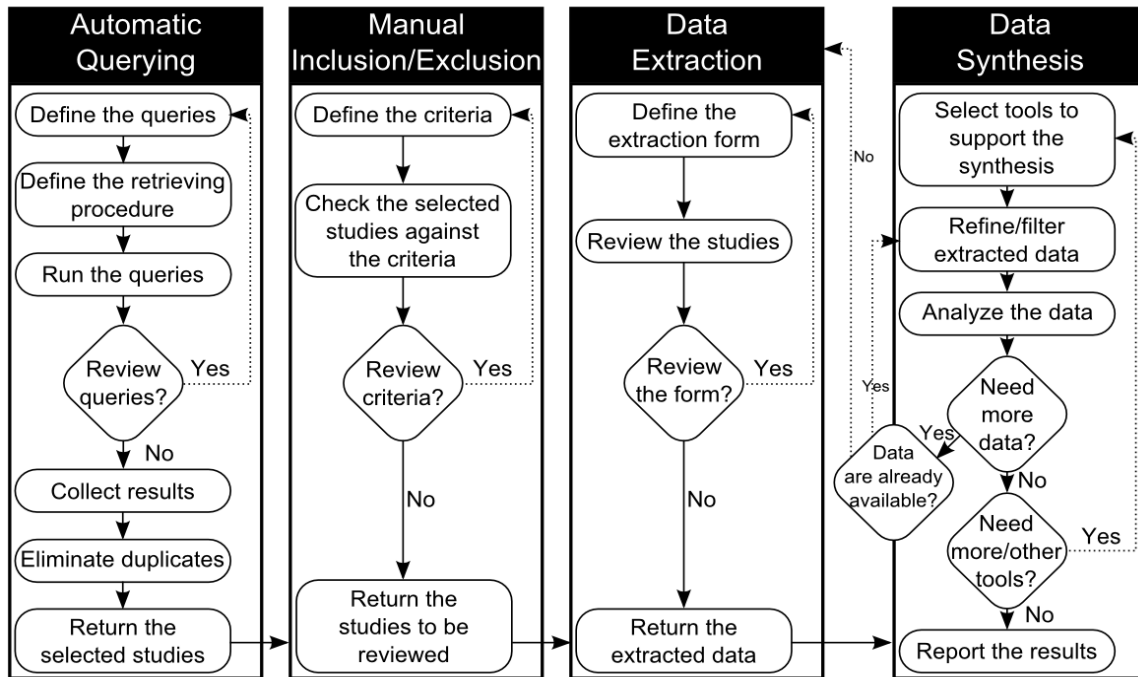


Figure 1. Overview of the review process.

One reviewer and one supervisor conducted the review process. The review followed the procedures for checking the uniformity and validity of data extraction activities, as recommended in [KIT] for researches conducted using this configuration. The protocols for studies selection and data extraction were simulated using small samples before being submitted to the whole set of studies. Also, they were iteratively adjusted on demand. The review results were also submitted to a validation performed by the research supervisor.

Next subsections provide a deeper understanding of each of the review methods adopted in this research.

3.1.2.1 Studies selection

The approach adopted for studies selection consists in retrieving studies from digital libraries and selecting or discarding them based on a set of requirements from the review protocol. The data sources considered are:

- ACM Digital Library⁴;
- IEEE Xplore Digital Library⁵;

⁴ Available at: <http://dl.acm.org/>.

- Science Direct⁶;
- Scopus⁷;
- Springer Link⁸.

The strategy for retrieving the data consisted of using automated queries (usually using the “advanced search” option from the digital libraries). The queries consisted of Boolean expressions and were supposed to be submitted to every digital library without any change. The base query (see Code 1), henceforth referenced as Q1, is composed of three parts that should be attended. The first limits the scope for studies approaching accessibility and other terms alike. The second requires that the studies at least mention some set of recommendations, guidelines or patterns (for means of simplification, we refers to them as just RecGuidPat). Finally, the third constraints the studies for the topic of RIAs. Another version of the query (see Code 2), henceforth referenced as Q2, aims at posing one additional constraint to the results set. It also verifies if the study also approach awareness, even in different contexts from the awareness of others in collaborative RIAs. Therefore, the results from the Q2 are just a subset of the results from the Q1. The queries were submitted to the whole text of the studies (usually, there is options to consider only parts of the studies *e.g.* title, abstract).

Code 1. Query for retrieving studies from the digital libraries (Q1).

```
("accessible for all" OR "accessibility" OR "universal access" OR
"universal design")
AND ("recommendations" OR "guidelines" OR "patterns")
AND ("rich internet applications")
```

Code 2. Query for retrieving studies with additional filter regarding awareness of others (Q2).

```
("accessible for all" OR "accessibility" OR "universal access" OR
"universal design")
AND ("recommendations" OR "guidelines" OR "patterns")
AND ("rich internet applications")
AND ("awareness" OR "aware")
```

⁵ Available at: <http://ieeexplore.ieee.org/Xplore/home.jsp>.

⁶ Available at: <http://www.sciencedirect.com/>.

⁷ Available at: <http://www.scopus.com/>.

⁸ Available at: <http://www.springerlink.com/>.

There was not any additional filter (*e.g.* type of publication and year) since the objective of this research is also to identify in what channels contributions to the topic are being used. Metadata for each study selected by the automatic querying step is so stored (*i.e.* digital library, title, authors, year of publication, vehicle of publication, author keywords, digital library keywords, URL where the selected study is available, query that retrieved it, type of publication, and a Boolean indicator if the work was already been retrieved from other digital library) for the next steps. The types of publication considered are: book, book chapter, journal article, proceedings article, and index. Index refers to the table of contents, book summaries, and other pieces of work that possibly can be selected by the queries. Indexes are discarded in this review process. The “duplicate” indicator aims at avoiding the cases when a digital library inserts an entry to a work publish by other source. Duplicated studies are excluded and only real sources are considered.

After the automatic querying, it is necessary a manual evaluation to determine which selected studies will be included or excluded from the review. The manual evaluation is conducted by the reviewer and is based on a set of criteria that should be analyzed based on the lecture of the title, abstract and keywords of the studies. For studies without abstracts (frequently the case of book chapters) it was also considered the introduction section. The set of criteria aims at directing the selection towards the review questions in an unbiased way. Since the limited text excerpt considered in this step (necessarily reduced due to the number of studies) some synonyms are accepted (*e.g.* web application and web tool for RIAs). In order provide a precise decision support for the decision of to include or exclude a study, the set of criteria is represented as a Boolean expression (see Code 3) in which the True result means that the study should be included and excluded when the opposite occurs. Following the details of the expression employed:

Code 3. The expression for inclusion/exclusion of studies in the review process.

```
("The study approaches accessibility in RIAs" OR "The study approaches  
RecGuidPat for accessible RIAs" OR "The study approaches accessibility in  
collaborative RIAs" OR "The study approaches RecGuidPat for accessible  
collaborative RIAs" OR "The study approaches awareness of others in  
collaborative RIAs" OR "The study approaches RecGuidPat for awareness of  
others in accessible collaborative RIAs")  
AND
```

("The language of the study is English" AND "The study is available on the Web (even whether requiring authentication⁹)" AND NOT "Is an index" AND NOT "Is duplicated")

Since the inclusion/exclusion step requires human evaluation there is also the possibility that the decisions be affected by some of the metadata as authors, and vehicle of publication. On the other hand there are evidences that indicates that conducting blind evaluations does not improve reviews [BER].

3.1.2.2 Data extraction

Data extraction is probably the lengthy step in most of the systematic reviews. It consists of the lecture and analysis of all studies selected in the previous step. Again, there is a concern in maintain the process as unbiased as possible. So that a data extraction form is a common approach. An optional activity prior to the data extraction is the assessment of the studies [AUS, COC, KIT]. This activity is especially useful in cases that the objective is on combining previous research results to produce new ones. This review does not assess the selected studies since the objective here is to gather the knowledge in order to trace an overview of the contributions for the topic. There are still not reliable parameters to evaluate studies regarding the theme of this review. On the other hand, this review classifies the reviewed studies in diverse dimensions as type of contributions regarding RecGuidPat, software, products evaluation approaches, and others. Those dimensions are only used for the analysis and are not considered for inclusion or exclusion purposes.

The data extraction form can vary significantly from one systematic review to another. It directly depends on the scope and complexity of the review questions. Ideally an extraction form should take all the relevant information from the reviewed studies and the data to be collected could be so vast as the creativity and curiosity of the researchers could lead them. Of course, due to practical reasons this is virtually unreachable. So that, the conception of a extraction form requires some ability from the review process designer, in order to be able answer the review questions with sufficient evidences and also make room for some insights from the lectures.

⁹ This affirmation is conditioned by the access granted to the reviewer and supervisor by their affiliation institution.

This systematic review implemented a form that is composed of three parts: a general overview of the study, the contributions regarding RecGuidPat, and the contributions regarding software and hardware technologies. Next we present the form elements in detail.

Part 1 – Overview. The overview consisted of the three components: general information, population and author's expectations for the topic.

General information – this component involves the identification of the reviewed study and the conducted analysis, reviewed study main contribution, concepts for (collaborative) RIAs, any contribution directly related to awareness of others, and possible relevant text excerpts.

- Review identification;
- Date of the data extraction;
- Reviewed study identification (Digital Object Identifier (DOI) or URL);
- Description of the main contribution of the reviewed study;
- Type of the main contribution – classified as: survey, proposition/extension of RecGuidPat, evaluation of RecGuidPat, proposition/extension of tool(s), evaluation of tool(s);
- Country of the affiliation of the reviewed study authors (or, if different, the country where the research took place);
- Synonyms and concept definitions for RIAs;
- Synonyms and concept definitions for collaborative RIAs;
- Contributions for awareness of others in collaborative RIAs;
- Additional comments from the reviewer and relevant text excerpts from the reviewed study.

Population – understanding people characteristics is one of the main issues faced in the design of Web application. Consequently, relevant information can be retrieved by identifying who are the target audience of the reviewed study, of the main product of the reviewed study (when applicable), and the people that participated directly in the reviewed study (*e.g.*, in a requirement analysis or in an product evaluation). The form presents the three following fields for each of the aforementioned cases:

- Age group – suggested values: 0-12 years old, 13-17 years old, 18-59 years old, 60+ years old, No explicit constraint;
- Focus on a specific category of disability? – suggested values based on [BRA, WHO]: movement, hearing, seeing, mental, multiple (in this case specify which ones), other, not considered;

- Expertise on IT – suggested values: IT students, IT professionals, people with no IT expertise (in this case, it is also reported the study own classification as it is available).

Also, specifically for the case of the participants of the reviewed study (when appropriate), the form requires some additional information:

- Moment of participation – general suggested values (the can vary accordingly to the each project life-cycle): Requirements analysis, Development, Evaluation, All life-cycle, There is no involvement, Not applicable;
- Object of participation – suggested values: Target of the study, Main product of the study, Not applicable.

Authors' insights for the topic – the last component of the overview consists of trying to identify some author's insights for the topic. Those insights are grouped into five aspects: standards, technologies for the development of (collaborative) RIAs, approaches for evaluation of (collaborative) RIAs, responsibilities distribution regarding accessibility in a development process of (collaborative) RIAs, and the authors opinion regarding in which component (*e.g.* user agent, authoring tool) should be the focus of accessibility concerns. For those fields, the suggested values are present only for means of providing a “checking-based” input for the reviewer, avoiding some substantial retyping.

- Standards – suggested values: WAI-ARIA, WCAG, HTML5, Not informed, Other (specify when appropriate);
- Technologies for (collaborative) RIAs – suggested values: Javascript related/AJAX, Flash/Flex, Silverlight, Not informed, Other (specify when appropriate);
- Evaluation of (collaborative) RIAs – suggested values: Automatic, Manual, Mixed, Not informed, Other (specify when appropriate);
- Responsible for the development of accessible (collaborative) RIAs – suggested values: All the developers, Only accessibility experts, Automatic by component, Server-side automatic conversion, Client-side automatic conversion, Not informed, Other (specify when appropriate);
- Where the solution should take place? – suggested values: User agent, Assistive technology, (collaborative) RIA, (collaborative) RIA Authoring tool, Not informed, Other.

Part 2 – RecGuidPat. This part aims at identifying every occurrence of RecGuidPat related to Web accessibility or awareness of others in collaborative RIAs. Since the queries for retrieving studies required some mention to such elements, it is expected that, at least, a citation be present in every reviewed study. Also, more than just accounting the most

referenced RecGuidPats the form retrieves the role they have in the reviewed study. The suggested roles are based on Hannay *et al.* [HAN].

- Name of the RecGuidPat;
- Source (preferably an URL or a DOI);
- Purpose;
- Availability – suggested values: complete in the study, just an excerpt in the study, external source, the full RecGuidPat is not available, other (specify);
- Role – possible values (adapted from [HAN]):
 - Design (the study's research questions and hypotheses are justified or motivated by the RecGuidPat);
 - *Post hoc* explanation (the RecGuidPat is used after the experiment to explain phenomena);
 - Tested (the RecGuidPat is tested by the experiment);
 - Modified (the RecGuidPat is enhanced, refined, conditioned, etc. based on the experimental findings);
 - Proposed (a major part of the RecGuidPat is proposed by the author(s) in the current reviewed study);
 - Basis (the RecGuidPat is used as a basis for other RecGuidPat used in one of the preceding roles);
 - Citation (the authors mentions RecGuidPat but do not directly work with it).
- Focus on a specific category of disability? – informed whether the RecGuidPat address just one or a subset of disabilities. Suggested values are equals to the field of same name presented in *Part 1 - Overview*.

Part 3 – Technologies. The third part of the data extraction form consists of reporting any occurrence of technologies related to Web accessibility. Those occurrences can vary from simple citations to technologies proposed in the reviewed study.

- Name of the technology;
- Release version of the technology (when appropriate);
- Source (preferably an URL or a DOI);
- Distribution license – suggested values: free, free (website), open source (specify the license), private (specify the license), not informed;
- Action performed with the technology – suggested values: proposition, use, extension, evaluation, citation, other (specify);
- Type of the technology – suggested values: authoring of Web content, authoring of Web applications, user agent, evaluation of Web content/applications, simulation, assistive technology, Application Programming Interface, library of codes, (collaborative) RIA, other, more than one (specify);
- Is the technology accessible? – suggested values: yes (based on the provider of the technology), yes (based on the reviewed study), no, not informed, not applicable;
- If the technology is a (collaborative) RIA:

- Domain – *e.g.* text editors, communication widgets, social networks.;
- Type of interaction enable by the (collaborative) RIA – possible values (based on [ALMc]): collaboration (*i.e.*, people in a group have a common objectives and act on the same shared artifacts), cooperation (*i.e.*, people in a group have a common objective but, in order to reach it, act on artifacts in subgroups or individually), mixed (*i.e.*, people shift constantly between individual and collaborative activities), individual;
- Contributions/aspects related to awareness of others (it is necessary to reinforce that this is based on the information provided by the reviewed study).

In order to avoid biases in filling the data extraction form the reviewer is supposed to consider only explicitly informed data, in most of the cases. Some exceptions are the external references (field “Source”) for *Part 3 - Technologies* (frequently absent in the reviewed studies), and the field “Authors' expectations for the topic” from the *Part 1 - Overview*.

3.1.2.3 Data Synthesis

Data synthesis in a systematic literature review can be as quantitative as qualitative, accordingly to the review questions. This review adopts a mixed approach, since the review questions are quite exploratory and, therefore, require different collections of data to address them. The qualitative analysis aims at identifying information as the population addressed by he studies, the expectations of the authors of the reviewed studies, the consistence among the approaches adopted for RecGuidPat, types of evaluation, strategies of architectures developing (collaborative) RIAs, concepts for RIAs and collaborative RIAs. The quantitative analysis consists of providing an overview of the research topic as most frequent vehicles for publication, geographical distribution of the reviewed studies, addressed disabilities, tools adopted for developing, using, evaluating (collaborative) RIAs, and so on.

As this review approaches RIAs we employed only free RIAs as tools for planning, conducting, and reporting the research. The only step built using desktop tools is the submission version of the review, since conference and journal templates still have no support for RIAs and, also, most of RIAs for text editing do not have support for high

specific formatting layouts. The free RIAs we employed are the Google Docs¹⁰ (spreadsheet and text editor), IBM Many-Eyes¹¹, and Wordle¹². For the data synthesis we employed different types of charts, and tags clouds. Also, since the amount of data was significant to manipulate, we adopted dynamic tables in order to experience diverse crossings with the data collected in the extraction form.

4 Results

This section first presents a summary of the results from the studies selection, followed by the data collected in the first three step of the SLR process. The data analysis is not subject of this technical report.

4.1 Studies Selection Summary

After defined the plan for the systematic literature review we started by conducting the automatic retrieving of studies that satisfy the queries (see Code 1 and Code 2). The queries were submitted to the reported digital libraries *i.e.* ACM Digital Library, IEEE Xplore Digital Library, Science Direct, Scopus, and Springer Link. This activity resulted in 290 studies selected from the digital libraries. Figure 2 presents the distribution origin from those studies. The column “automatic querying” (orange) represents the initial retrieved studies. The column “duplicated” (red) represents the duplicated studies (42 studies), and the column “selected” (dark blued) the studies considered (248 studies), excluded those duplicated. The columns “Q2 automatic querying”, “Q2 duplicated” (purple), and “Q2 selected” (green) have the same means from the three columns previously, respectively, mentioned, but whether applied to the query that adds constraint regarding awareness (Code 2). The Q2 retrieved 95 studies, 3 of them were duplicated.

¹⁰ Google Docs. Available at: <http://docs.google.com>.

¹¹ IBM Cognos Software Group. Available at: <http://www-958.ibm.com/software/data/cognos/manyeyes/>.

¹² Jonathan Feinberg. Available at: <http://www.wordle.net/>.

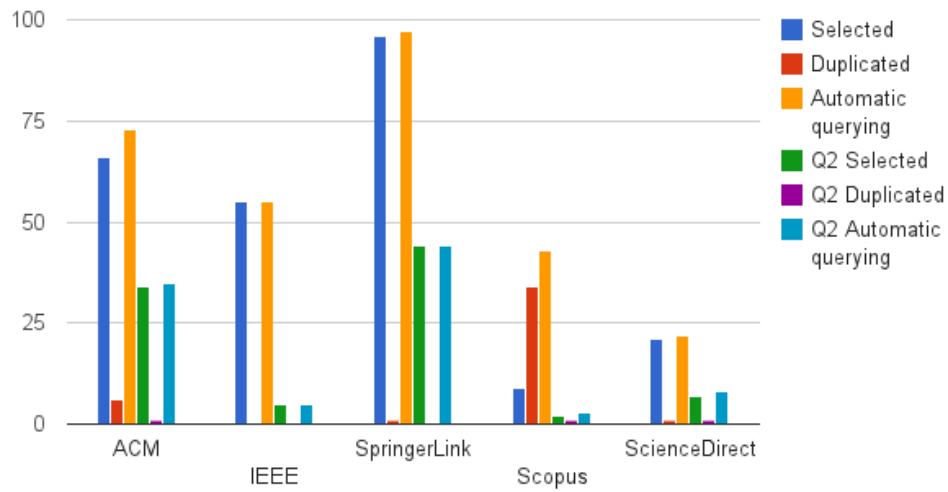


Figure 2. Results from the automatic querying. Columns prefixed by “Q2” refer to the results from querying with filtering for awareness of others (see Code 2).

Springer Link is the digital library that retrieved more studies (97) followed by ACM Digital Library (73) and IEEE Xplore Digital Library (55). Scopus retrieved 43 studies, however, due to the sources considered by that digital library, most of studies (34) were hosted by the others and already retrieved by them. Science Direct retrieved 22 studies.

Since keywords are widely employed in searching studies we also retrieved them. The collected keywords have the potential to aid future research by identifying the most common terms employed for this topic. Some considerations have to be exposed in order to allow future research to extend this review, since it was necessary to adopt different approaches to retrieve the keywords accordingly to the digital libraries. We also separated the digital library indexing keywords from the author’s keywords. ACM Digital Library provides a classification system hierarchically organized¹³ so that we considered as possible as the leaf level of the hierarchy since it is supposed to be the more precise, except the cases in which the leaf is “General” whether we consider the parent node of it. IEEE Xplore

¹³ <http://www.acm.org/about/class/1998/>.

Digital Library provides the IEEE Terms¹⁴ and, when available, we also collected the author's keywords. SpringerLink provides only a general area (*e.g.* Computer Science) at the bibtex citation format, so that we considered as available as the author's keywords presented in the publication details page that can be reached from the links present in the search results.

After the automatic retrieving the selected studies were submitted to the manual inclusion/exclusion activity. The expression presented in Code 3 was converted in an electronic spreadsheet in which each expression token was a column and each study was a line. The spreadsheet contained no other information than the title and the abstract of the studies. Figure 3 represents the results from the activity. There are three columns for each digital library representing the studies selected to the reviewed (blue column), the discarded studies (red column), and the duplicated studies (orange column), respectively, from left to right. The third column is present to provide an overview of the whole set of studies initially retrieved from the automatic querying.

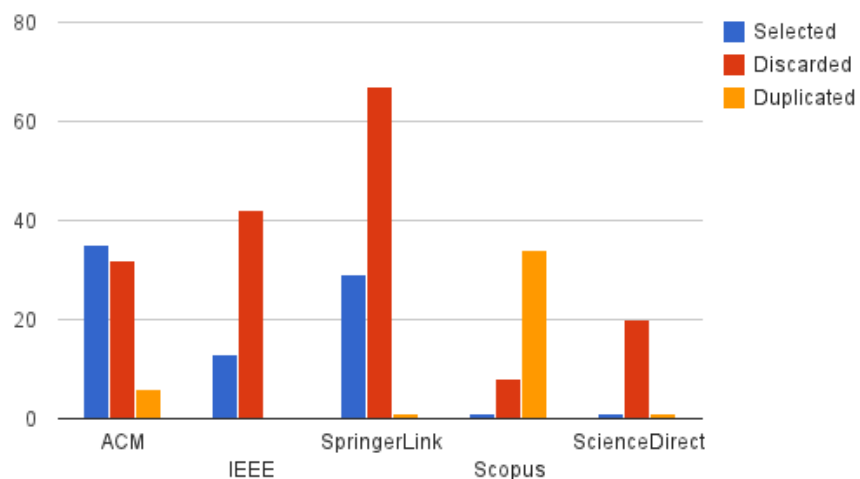


Figure 3. Results from the inclusion/exclusion activity.

¹⁴ http://www.ieee.org/documents/2009Taxonomy_v101.pdf.

In contrast to the previous activity the ACM Digital Library is the one that have more studies selected for review (35) while Springer Link (the one with more selected studies in the automatic querying) is the one with more discarded studies (67) and has 29 studies selected for review. It also selected 13 from IEEE Xplore Digital Library, 1 from ScienceDirect, and 1 from Scopus. Finally, after the two-step studies selection, this research selected 79 studies to be reviewed.

A further look into the results from the inclusion/exclusion activity can provide relevant insights about the types of contributions for the topic of this review. Not surprisingly the number of contributions decrease accordingly to chronology of the Web accessibility. Following we summarize the subjects approached by selected studies:

- Accessibility in RIAs: 71 studies;
- RecGuidPat for RIAs: 26 studies;
- Accessibility in collaborative RIAs: 17 studies;
- RecGuidPat for collaborative RIAs: 7 studies;
- Awareness of others in collaborative RIAs: 4 studies;
- RecGuidPat for awareness of others in collaborative RIAs: 0 studies.

Relevant information of this preliminary analysis from the studies contributions are the absence of studies approaching RecGuidPat for awareness of others in collaborative RIAs and the limited number of studies approaching awareness of others in collaborative RIAs. Also we highlight the considerable number of RecGuiPat for RIAs, fact that is consistent to the international effort in develop widgets and frameworks for standardizing the development for RIAs.

Also, its necessary to justify the reasons why studies were discarded: the language of 5 studies is different from English; 11 studies are not available on the Web (considering the reviewer's access to digital libraries); 22 studies are index to other studies; 42 studies are duplicated; and 131 studies do not approach any of the tokens discussed in this review.

4.2 Collected Data

The data collected is presented in this section according to the SLR process. First it will be presented the complete list of automatically retrieved studies, followed by the manual

inclusion/exclusion results. Finally, it will be presented the data collected in the data extraction step. The list of tables and column explanation (when necessary) are presented in Table 2.

Table 2. List of tables of collected data presented in this section.

Table 3. Studies retrieved by the automatic querying step.	
Source	Digital library in that the study appeared.
Query 2	Indicates whether the study also attended to the Q2.
Type	Type of publication.
Repeated	Indicates whether the study already appeared in other digital library.
Table 4. Results from the manual inclusion/exclusion step.	
Accessib. RIAs, RGP RIAs, Accessib. CRIAs, RGP CRIAs, Awareness CRIAs, RGP Awareness CRIAs, Language, Online, Index	These columns correspond to the selection criteria defined in Code 3 in the same order.
Review?	Indicates whether the study should be considered in the SLR.
Table 5. Studies overview, part 1 (country, contributions and concepts and synonyms for (collaborative) RIAs).	
Table 6. Studies overview, part 2 (target people and people involvement).	
Table 7. Studies overview, part 3 (authors' expectations for the review topic).	
Table 8. Recommendations, Guidelines, and Patterns.	
Table 9. Occurrences of Recommendations, Guidelines and Patterns in the reviewed studies.	
Table 10. Technologies.	
Table 11. Technologies (additional information only for (collaborative) RIAs).	
Table 12. Occurrences of technologies in the reviewed studies.	

Table 3. Studies retrieved by the automatic querying step.

Source	Title	Authors	Year	Vehicle	URL	Query 2	Type	Repeated
ScienceDirect	2, On-Site Strategy	Tim and Frick	2010	Return on Engagement	http://www.sciencedirect.com/science/article/pii/B9780240812830000020	No	Book Chapter	No
IEEE Xplore Digital Library	2007 Latin American Web Conference (LA-WEB 2007), TOC		2007	Web Conference, 2007. LA-WEB 2007. Latin American	http://dx.doi.org/10.1109/LA-Web.2007.6	No	Index	No
Scopus	A 'visual-centred' mapping approach for improving access to Web 2.0 for people with visual impairments	Jay, C., Brown, A., Harper, S.	2011	Disability and Rehabilitation: Assistive Technology, 6 (2), pp. 97-107.	http://dx.doi.org/10.3109/17483107.2010.496523	No	Journal Article	No
ACM Digital Library	A blog-centered IPTV environment for enhancing contents provision, consumption, and evolution	In-Young Ko, Sang-Ho Choi, Han-Gyu Ko	2010	ICWE'10: Proceedings of the 10th international conference on Web engineering	http://dl.acm.org/citation.cfm?id=1884110.1884161&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	Yes
SpringerLink	A Blog-Centered IPTV Environment for Enhancing Contents Provision, Consumption, and Evolution	Ko, In-Young and Choi, Sang-Ho and Ko, Han-Gyu	2010	Web Engineering. Lecture Notes in Computer Science	http://dx.doi.org/10.1007/978-3-642-13911-6_43	No	Book Chapter	No
SpringerLink	A Bridge to Web Accessibility from the Usability Heuristics	Lourdes Moreno, Paloma Martínez and Belén Ruiz-Mezcua	2009	Lecture Notes in Computer Science, 2009, Volume 5889, HCI and Usability for e-Inclusion, Pages 290-300	http://dx.doi.org/10.1007/978-3-642-10308-7_20	No	Book Chapter	No
IEEE Xplore Digital Library	A Concept of a Web Application Blending Thin and Fat Client Architectures	Dworak, H.	2009	Dependability of Computer Systems, 2009. DepCos-RELCOMEX '09. Fourth International Conference on	http://dx.doi.org/10.1109/DepCoS-RELCOMEX.2009.9	No	Proceedings Article	No
Scopus	A concept of a web application blending thin and fat client architectures	Dworak, H.	2009	Proceedings of 2009 4th International Conference on Dependability of Computer Systems, DepCos-RELCOMEX 2009, art. no. 5261034, pp. 84-90	http://doi.ieeecomputersociety.org/10.1109/DepCoS-RELCOMEX.2009.9	No	Proceedings Article	Yes
SpringerLink	A Crawljax Based Approach to Exploit Traditional Accessibility Evaluation Tools for AJAX Applications	F. Ferrucci, F. Sarro, D. Ronca and S. Abrahao	2011	2011, Information Technology and Innovation Trends in Organizations, Part 6, Pages 255-262	http://dx.doi.org/10.1007/978-3-7908-2632-6_29	No	Book Chapter	No
ACM Digital Library	A design pattern language for accessible web sites	Daniela Fogli, Loredana Parasiliti Provenza, Cristian Bernareggi	2010	AVI '10: Proceedings of the International Conference on Advanced Visual Interfaces	http://dl.acm.org/citation.cfm?id=1842993.1843048&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	A design pattern language for accessible web sites	Fogli, D., Provenza, L.P., Bernareggi, C.	2010	Proceedings of the Workshop on Advanced Visual Interfaces AVI, pp. 307-310	http://dx.doi.org/10.1145/1842993.1843048	No	Proceedings Article	Yes
SpringerLink	A Double-Model Approach to Achieve Effective Model-View Separation in Template Based Web Applications	Francisco J. García, Raúl Izquierdo Castanedo and Aquilino A. Juan Fuente	2007	Lecture Notes in Computer Science, 2007, Volume 4607, Web Engineering, Pages 442-456	http://dx.doi.org/10.1007/978-3-540-73597-7_37	No	Book Chapter	No
IEEE Xplore Digital Library	A Model-Based Approach for Developing Vectorial User Interfaces	Vanderdonckt, J. , Guerrero-Garcia, J. , Gonzalez-Calleros, J.M.	2009	Web Congress, 2009. LA-WEB '09. Latin American	http://dx.doi.org/10.1109/LA-WEB.2009.24	No	Proceedings Article	No
IEEE Xplore Digital Library	A review of the widget landscape and incompatibilities between widget engines	Mendes, P. , Caceres, M. , Dwolatzky, B.	2009	AFRICON, 2009. AFRICON '09.	http://dx.doi.org/10.1109/AFRCON.2009.5308146	No	Proceedings Article	No

SpringerLink	A Standalone Vision Impairments Iulator for Java Swing Applications	Theofanis Oikonomou, Konstantinos Votis, Peter Korn, Dimitrios Tzovaras and Spiridon Likothanasis	2009	Lecture Notes in Computer Science, 2009, Volume 5889, HCI and Usability for e-Inclusion, Pages 387-398	http://dx.doi.org/10.1007/978-3-642-10308-7_27	No	Book Chapter	No
ACM Digital Library	A Survey of Requirements Specification in Model-Driven Development of Web Applications	Pedro Valderas, Vicente Pelechano	2011	Transactions on the Web (TWEB) , Volume 5 Issue 2	http://dl.acm.org/citation.cfm?id=1961659.1961664&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Journal Article	No
IEEE Xplore Digital Library	A Survey of Web Research in Argentina	Rossi, G.	2008	Latin American Web Conference, 2008. LA-WEB '08.	http://dx.doi.org/10.1109/LA-WEB.2008.23	No	Proceedings Article	No
Scopus	A survey of Web research In Argentina	Rossi, G.	2008	Proceedings of the Latin American Web Conference, LA-WEB 2008, art. no. 4756174, pp. 151-155	http://doi.ieeecomputersociety.org/10.1109/LA-WEB.2008.23	Yes	Proceedings Article	Yes
IEEE Xplore Digital Library	A Test-oriented Architecture for Network Fault Management	Salles, R. , Cecilio, E. , Cardoso, S. , Correia, A. , Bleasby, F.	2007	Network Operations and Management Symposium, 2007. LANOMS 2007. Latin American	http://dx.doi.org/10.1109/LANOMS.2007.4362454	No	Proceedings Article	No
IEEE Xplore Digital Library	A Theoretical Survey of User Interface Description Languages: Preliminary Results	Guerrero-Garcia, J. , Gonzalez-Calleros, J.M. , Vanderdonck, J. , Muoz-Arteaga, J.	2009	Web Congress, 2009. LA-WEB '09. Latin American	http://dx.doi.org/10.1109/LA-WEB.2009.40	No	Proceedings Article	No
ACM Digital Library	A tool to support the web accessibility evaluation process for novices	Elaine Pearson, Chrstopher Bailey, Steve Green	2011	ITiCSE '11: Proceedings of the 16th annual joint conference on Innovation and technology in computer science education	http://dl.acm.org/citation.cfm?id=1999747.1999758&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
SpringerLink	A UCD Approach towards the Design, Development and Assessment of Accessible Applications in a Large Scale European Integrated Project	Karel Van Isacker, Karin Slegers, Maria Gemou and Evangelos Bekiaris	2009	Lecture Notes in Computer Science, 2009, Volume 5614, Universal Access in Human-Computer Interaction. Addressing Diversity, Pages 184-192	http://dx.doi.org/10.1007/978-3-642-02707-9_20	No	Book Chapter	No
IEEE Xplore Digital Library	A visual impaired Iulator to achieve embedded accessibility designs	Votis, K. , Oikonomou, T. , Korn, P. , Tzovaras, D. , Likothanasis, S.	2009	Intelligent Computing and Intelligent Systems, 2009. ICIS 2009. IEEE International Conference on	http://dx.doi.org/10.1109/ICISYS.2009.5358165	No	Proceedings Article	No
ACM Digital Library	A web compliance engineering framework to support the development of accessible rich internet applications	Carlos A Velasco, Dimitar Denev, Dirk Stegemann, Yehya Mohamad	2008	W4A '08: Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1368044.1368054&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	A web compliance engineering framework to support the development of accessible rich internet applications	Velasco, C.A., Denev, D., Stegemann, D., Mohamad, Y.	2008	W4A'08: Proceedings of the 2008 International Cross-Disciplinary Conference on Web Accessibility, W4A, pp. 45-49	http://dx.doi.org/10.1145/1368044.1368054	No	Proceedings Article	Yes
SpringerLink	A Web Usability Evaluation Process for Model-Driven Web Development	Adrian Fernandez, Silvia Abrahão and Emilio Insfran	2011	Lecture Notes in Computer Science, 2011, Volume 6741, Advanced Information Systems Engineering, Pages 108-122	http://dx.doi.org/10.1007/978-3-642-21640-4_10	No	Book Chapter	No
SpringerLink	A Web-based graphical user interface for evidence-based decision making for health care allocations in rural areas	Nadine Schuurman, Margo Leight and Myriam Berube	2008	International Journal of Health Geographics, 2008, Volume 7, Number 1, 49	http://dx.doi.org/10.1186/1476-072X-7-49	No	Journal Article	No
SpringerLink	A zero-vision music recording paradigm for visually impaired people	Thomas Haenselmann, Hendrik Lemelson and Wolfgang Effelsberg	2011	Multimedia Tools and Applications, Online First™, 28 June 2011	http://dx.doi.org/10.1007/s11042-011-0832-z	No	Journal Article	No

SpringerLink	Access Services	Ronald Maier, Thomas Hädrich and René Peinl	2009	2009, Enterprise Knowledge Infrastructures, Pages 1-42	http://dx.doi.org/10.1007/978-3-540-89768-2_5	No	Book Chapter	No
ACM Digital Library	Accessibility by demonstration: enabling end users to guide developers to web accessibility solutions	Jeffrey P. Bigham, Jeremy T. Brudvik, Bernie Zhang	2010	ASSETS '10: Proceedings of the 12th international ACM SIGACCESS conference on Computers and accessibility	http://dl.acm.org/citation.cfm?id=1878803.1878812&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	Accessibility by demonstration: Enabling end users to guide developers to web accessibility solutions	Bigham, J.P., Brudvik, J.T., Zang, B.	2010	ASSETS'10 Proceedings of the 12th International ACM SIGACCESS Conference on Computers and Accessibility, pp. 35-42	http://dx.doi.org/10.1145/1878803.1878812	No	Proceedings Article	Yes
ACM Digital Library	Accessibility challenges and tool features: an IBM Web developer perspective	Shari Trewin, Brian Cragun, Cal Swart, Jonathan Brezin, John Richards	2010	W4A '10: Proceedings of the 2010 International Cross Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1805986.1806029&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
SpringerLink	Accessibility Evaluation for Multimedia Content	Chieko Asakawa, Takashi Itoh, Hironobu Takagi and Hisashi Miyashita	2007	Lecture Notes in Computer Science, 2007, Volume 4556, Universal Access in Human-Computer Interaction. Applications and Services, Pages 11-19	http://dx.doi.org/10.1007/978-3-540-73283-9_2	No	Book Chapter	No
ACM Digital Library	Accessibility for simple to moderate-complexity DHTML web sites	Cynthia C. Shelly, George Young	2007	W4A '07: Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1243441.1243460&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	Accessibility for simple to moderate-complexity DHTML web sites	Shelly, C.C., Young, G.	2007	ACM International Conference Proceeding Series, 225, pp. 65-73	http://dx.doi.org/10.1145/1243441.1243460	No	Proceedings Article	Yes
SpringerLink	Accessibility in Rich Internet Applications	Odell, Den	2009	2009, Pro JavaScript™ RIA Techniques, Part 3, Pages 375-401	http://dx.doi.org/10.1007/978-1-4302-1935-4_12	No	Book Chapter	No
ACM Digital Library	Accessibility of emerging rich web technologies: web 2.0 and the semantic web	Michael Cooper	2007	W4A '07: Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1243441.1243463&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	Accessibility of emerging rich web technologies: Web 2.0 and the semantic web	Cooper, M.	2007	ACM International Conference Proceeding Series, 225, pp. 93-98	http://dx.doi.org/10.1145/1243441.1243463	No	Proceedings Article	Yes
Scopus	Accessing e-learning systems via screen reader: An example	Buzzi, M.C., Buzzi, M., Leporini, B.	2009	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 5613 LNCS (PART 4), pp. 21-30	http://dx.doi.org/10.1007/978-3-642-02583-9_3	No	Proceedings Article	Yes
SpringerLink	Accessing e-Learning Systems via Screen Reader: An Example	Maria Claudia Buzzi, Marina Buzzi and Barbara Leporini	2009	Lecture Notes in Computer Science, 2009, Volume 5613, Human-Computer Interaction. Interacting in Various Application Domains, Pages 21-30	http://dx.doi.org/10.1007/978-3-642-02583-9_3	No	Book Chapter	No
ACM Digital Library	Accessing Google docs via screen reader	Maria Claudia Buzzi, Marina Buzzi, Barbara Leporini, Giulio Mori, Victor M. R. Penichet	2010	ICCHP'10: Proceedings of the 12th international conference on Computers helping people with special needs: Part I	http://dl.acm.org/citation.cfm?id=1886667.1886686&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	Yes

SpringerLink	Accessing Google Docs via Screen Reader	Maria Claudia Buzzi, Marina Buzzi, Barbara Leporini, Giulio Mori and Victor M. R. Penichet	2010	Lecture Notes in Computer Science, 2010 No Volume 6179, Computers Helping People with Special Needs, Pages 92-99	http://dx.doi.org/10.1007/978-3-642-14097-6_17	No	Book Chapter	No
ACM Digital Library	ACM SIGACCESS Accessibility and Computing: Issue 87		2007		http://dl.acm.org/citation.cfm?id=1242513&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Index	No
SpringerLink	Adaptive Reactive Rich Internet Applications	Kay-Uwe Schmidt, Roland Stühmer, Jörg Dörflinger, Tirdad Rahmani and Susan Thomas, et al.	2009	Annals of Information Systems, 1, Volume 6, Web 2.0 & Semantic Web, Part 2, Pages 79-102	http://dx.doi.org/10.1007/978-1-4419-1219-0_4	No	Book Chapter	No
ACM Digital Library	Ajax live regions: chat as a case example	Peter Thiessen, Charles Chen	2007	W4A '07: Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1243441.1243450&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	Ajax live regions: Chat as a case example	Thiessen, P.a., Chen, C.	2007	ACM International Conference Proceeding Series, 225, pp. 7-14	http://dx.doi.org/10.1145/1243441.1243450	No	Proceedings Article	Yes
ACM Digital Library	Ajax live regions: ReefChat using the fire vox screen reader as a case example	Peter Thiessen, Charles Chen	2007	W4A '07: Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1243441.1243448&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
IEEE Xplore Digital Library	Ajax Security in Groupware	Sonntag, M.	2006	Software Engineering and Advanced Applications, 2006. SEAA '06. 32nd EUROMICRO Conference on	http://dx.doi.org/10.1109/EUROMICRO.2006.18	No	Proceedings Article	No
SpringerLink	Ajax: Where the Client and Server Collide	Zammetti, Frank	2007	2007, Practical JavaScript™, DOM Scripting, and Ajax Projects, Part 2, Pages 465-523	http://dx.doi.org/10.1007/978-1-4302-0197-7_12	No	Book Chapter	No
SpringerLink	An Accessible Platform for Conference Administration and Management	George Margetis, Stavroula Ntoa, Maria Bouhli and Constantine Stephanidis	2007	Lecture Notes in Computer Science, 2007, Volume 4556, Universal Access in Human-Computer Interaction. Applications and Services, Pages 941-950	http://dx.doi.org/10.1007/978-3-540-73283-9_102	No	Book Chapter	No
SpringerLink	An Analysis of MoReq2010 from the Perspective of TOGAF	Ricardo Vieira, Francisco Valdez and José Borbinha	2011	Communications in Computer and Information Science, 1, Volume 22 No ENTERprise Information Systems, Part 4, Pages 335-344	http://dx.doi.org/10.1007/978-3-642-24355-4_34	No	Book Chapter	No
Scopus	An Architecture for Multiple Web Accessibility Evaluation Environments	Fernandes, N., Lopes, R., Carriço, L.	2011	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6765 LNCS (PART 1), pp. 206-214	http://dx.doi.org/10.1007/978-3-642-21672-5_23	No	Proceedings Article	Yes
SpringerLink	An Architecture for Multiple Web Accessibility Evaluation Environments	Nádia Fernandes, Rui Lopes and Luís Carriço	2011	Lecture Notes in Computer Science, 2011, Volume 6765, Universal Access in Human-Computer Interaction. Design for All and eInclusion, Pages 206-214	http://dx.doi.org/10.1007/978-3-642-21672-5_23	No	Book Chapter	No

SpringerLink	An End-User Evaluation Point of View Towards OSS Assistive Technology	Maria Gkemou, Evangelos Bekiaris and Karel Van Isacker	2011	Lecture Notes in Computer Science, 2011, Volume 6765, Universal Access in Human-Computer Interaction. Design for All and eInclusion, Pages 225-234	http://dx.doi.org/10.1007/978-3-642-21672-5_25	No	Book Chapter	No
IEEE Xplore Digital Library	An investigative approach on improving B2B interactions and communication capabilities for enterprise integration using web 2.0 technologies	He, W. , Tan, P.S. , Goh, C.M. , Lee, S.P. , Lee, E.W.	2007	Emerging Technologies and Factory Automation, 2007. ETFA. IEEE Conference on	http://dx.doi.org/10.1109/ETFA.2007.4416786	No	Proceedings Article	No
IEEE Xplore Digital Library	An overview of multimedia support into JavaScript-based Frameworks for developing RIAs	Rosales-Morales, V.Y. , Alor-Hernández, G. , Juárez-Martínez, U.	2011	Electrical Communications and Computers (CONIELECOMP), 2011 21st International Conference on	http://dx.doi.org/10.1109/CONIELECOMP.2011.5749341	No	Proceedings Article	No
SpringerLink	Anhang	Torsten Stapelkamp	2010	Web X.0. X.media.press	http://dx.doi.org/10.1007/978-3-642-02072-8_10	No	Book Chapter	No
ScienceDirect	Application integration on the user interface level: An ontology-based approach	Heiko Paulheim and Florian Probst	2010	Data & Knowledge Engineering	http://www.sciencedirect.com/science/article/pii/S0169023X1000087X	No	Journal Article	No
Scopus	Application integration on the user interface level: An ontology-based approach	Paulheim, H., Probst, F.	2010	Data and Knowledge Engineering, 69 (11), pp. 1103-1116	http://dx.doi.org/10.1016/j.datak.2010.07.005	No	Journal Article	Yes
SpringerLink	Application of Project Portfolio Management	Malgorzata Pankowska	2011	2011, Information Systems Development, Part 2, Pages 161-172	http://dx.doi.org/10.1007/978-1-4419-7355-9_14	No	Book Chapter	No
ACM Digital Library	Application of traditional software testing methodologies to web accessibility	Cynthia C. Shelly, Mike Barta	2010	W4A '10: Proceedings of the 2010 International Cross Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1805986.1806002&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	ARIA live regions: An introduction to channels	Thiessen, P., Chen, C.L.	2009	Journal of Access Services, 6 (1-2), pp. 215-230	http://www.tandfonline.com/doi/abs/10.1080/15367960802301077	No	Journal Article	No
IEEE Xplore Digital Library	Assessing the accessibility of UI for all ages	Van Isacker, K. , Goranova-Valkova, M. , Leuteritz, J. , Melcher, V.	2010	IST-Africa, 2010	http://ieeexplore.ieee.org/search/srchabstract.jsp?tp=&arnumber=5753023&queryText%3D%28QT.accessible+for+all.QT.+OR+accessibility+OR+.QT.universal+access.QT.+OR+.QT.universal+design.QT.%29+AND%28recommendations+OR+guidelines+OR+patterns%29+AND+%28QT.rich+internet+applications.QT.%29%26openedRefinements%3D*%26filter%3DAND%28AND%28NOT%284283010803%29%29%26CAND%28NOT%284283010803%29%29%26matchBoolean%3Dtrue%26pageNumber%3D2%26searchField%3DSearch+All+Text	No	Proceedings Article	No

ACM Digital Library	Audio access to calendars	Andy Brown, Caroline Jay, Ion Harper	2010	W4A '10: Proceedings of the 2010 International Cross-Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1805986.1806028&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
ACM Digital Library	Audio presentation of auto-suggest lists	Andy Brown, Caroline Jay, Ion Harper	2009	W4A '09: Proceedings of the 2009 International Cross-Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1535654.1535667&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
SpringerLink	Authoring Tools	Jutta Treviranus	2008	Web Accessibility. Human-Computer Interaction Series, 2008, Part II	http://dx.doi.org/10.1007/978-1-84800-050-6_9	No	Book Chapter	No
ACM Digital Library	Automatic accessibility transcoding for flash content	Daisuke Sato, Hisashi Miyashita, Hironobu Takagi, Chieko Asakawa	2007	Assets '07: Proceedings of the 9th international ACM SIGACCESS conference on Computers and accessibility	http://dl.acm.org/citation.cfm?id=1296843.1296852&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
IEEE Xplore Digital Library	Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	Dworak, H.	2008	Dependability of Computer Systems, 2008. DepCos-RELCOMEX '08. Third International Conference on	http://dx.doi.org/10.1109/DepCoS-RELCOMEX.2008.27	No	Proceedings Article	No
Scopus	Automatic temporal evaluation of the accessibility of the world wide web and its standards conformance	Dworak, H.	2008	Proceedings of International Conference on Dependability of Computer Systems, DepCoS, RELCOMEX 2008, art. no. 4573054, pp. 171-178	http://doi.ieeeecomputersociety.org/10.1109/DepCoS-RELCOMEX.2008.27	No	Proceedings Article	Yes
ScienceDirect	Automatic web accessibility metrics: Where we are and where we can go	Markel Vigo and Giorgio Brajnik	2011	Interacting with Computers	http://www.sciencedirect.com/science/article/pii/S0953543811000026	Yes	Index	Yes
Scopus	Automatic web accessibility metrics: Where we are and where we can go	Vigo, M., Brajnik, G.	2011	Interacting with Computers, 23 (2), pp. 137-155	http://dx.doi.org/10.1016/j.intcom.2011.01.001	No	Journal Article	No
Scopus	AxsJAX: A talking translation bot using google IM bringing web-2.0 applications to life	Chen, C.L., Raman, T.V.	2008	W4A'08: Proceedings of the 2008 International Cross-Disciplinary Conference on Web Accessibility, W4A, pp. 54-56	http://dx.doi.org/10.1145/1368044.1368056	No	Proceedings Article	Yes
ACM Digital Library	AxsJAX: a talking translation bot using google IM: bringing web-2.0 applications to life	Charles L. Chen, T. V. Raman	2008	W4A '08: Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1368044.1368056&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
ACM Digital Library	Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	Juliet L. Hardesty	2011	CHIEA '11: Proceedings of the 2011 annual conference extended abstracts on Human factors in computing systems	http://dl.acm.org/citation.cfm?id=1979742.1979677&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
SpringerLink	Benutzungsorientierte Entwicklung barrierefreier Benutzungsschnittstellen	Helmut Vieritz, Sabina Jeschke and Olivier Pfeiffer	2011	2011, Automation, Communication and Cybernetics in Science and Engineering 2009/2011 No Part 4, Pages 569-578	http://dx.doi.org/10.1007/978-3-642-16208-4_50	No	Book Chapter	No
ACM Digital Library	Beyond Specifications: Towards a Practical Methodology for Evaluating Web Accessibility	Panayiotis Koutsabasis, Evangelos Vlachogiannis, Jenny S. Darzentas	2010	Journal of Usability Studies , Volume 5 Issue 4	http://dl.acm.org/citation.cfm?id=2019116.2019120&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Journal Article	No

Scopus	Building a usable and accessible semantic web interaction platform	García, R., Gimeno, J.M., Perdrix, F., Gil, R., Oliva, M., López, J.M., Pascual, A., Sendín, M.	2010	World Wide Web, 13 (1-2), pp. 143-167	http://dx.doi.org/10.1007/s11280-009-0076-2	No	Journal Article	Yes
SpringerLink	Building a Usable and Accessible Semantic Web Interaction Platform	Roberto García, Juan Manuel Gimeno, Ferran Perdrix, Rosa Gil and Marta Oliva, et al.	2010	World Wide Web, 2010 No Volume 13, Numbers 1-2, Pages 143-167	http://dx.doi.org/10.1007/s11280-009-0076-2	No	Journal Article	No
IEEE Xplore Digital Library	Building a web platform for learning advanced digital communications using a MIMO testbed	Vielva, L., Via, J., Gutiérrez, J., González, O., Ibañez, J., Santamaría, I.	2010	Acoustics Speech and Signal Processing (ICASSP), 2010 IEEE International Conference on	http://dx.doi.org/10.1109/ICASSP.2010.5496148	No	Proceedings Article	No
IEEE Xplore Digital Library	Building Communication With Access for All	Ells, R.B.	2007	Professional Communication Conference, 2007. IPCC 2007. IEEE International	http://dx.doi.org/10.1109/ICC.2007.4464069	No	Proceedings Article	No
SpringerLink	Building Reusable Remote Labs with Adaptable Client User-Interfaces	Salaheddin Odeh	2010	Journal of Computer Science and Technology	http://dx.doi.org/10.1007/s11390-010-9383-4	No	Journal Article	No
IEEE Xplore Digital Library	Call for Papers		2009	Internet Computing, IEEE, Volume: 13, Issue: 3	http://dx.doi.org/10.1109/MIC.2009.53	No	Index	No
ScienceDirect	Chapter 1, Introduction	Pawan and Vora	2009	Web Application Design Patterns	http://www.sciencedirect.com/science/article/pii/B978012374265000013	No	Book Chapter	No
ScienceDirect	Chapter 11, Accessibility	Pawan and Vora	2009	Web Application Design Patterns	http://www.sciencedirect.com/science/article/pii/B978012374265000116	No	Book Chapter	No
ScienceDirect	Chapter 13, Pattern Libraries	Pawan and Vora	2009	Web Application Design Patterns	http://www.sciencedirect.com/science/article/pii/B97801237426500013X	No	Book Chapter	No
ScienceDirect	Chapter 18, Social Accessibility: A collaborative approach to improving Web accessibility	Yevgen Borodin and Shinya Kawanaka and Hironobu Takagi and Masatomo Kobayashi and Daisuke Sato and Chieko Asakawa	2010	No Code Required	http://www.sciencedirect.com/science/article/pii/B9780123815415000183	No	Book Chapter	No
ScienceDirect	Chapter 6, Searching and Filtering	Pawan and Vora	2009	Web Application Design Patterns	http://www.sciencedirect.com/science/article/pii/B978012374265000062	No	Book Chapter	No
ScienceDirect	Chapter 8, Rich Internet Applications	Pawan and Vora	2009	Web Application Design Patterns	http://www.sciencedirect.com/science/article/pii/B978012374265000086	No	Book Chapter	No
SpringerLink	Collaborative Editing for All: The Google Docs Example	Giulio Mori, Maria Claudia Buzzi, Marina Buzzi, Barbara Leporini and Victor M. R. Penichet	2011	Lecture Notes in Computer Science, 2011, Volume 6768, Universal Access in Human-Computer Interaction. Applications and Services, Pages 165-174	http://dx.doi.org/10.1007/978-3-642-21657-2_18	No	Book Chapter	No
ACM Digital Library	Combining SADIE and AxsJAX to improve the accessibility of web content	Darren Lunn, Iona Harper, Sean Bechhofer	2009	W4A '09: Proceedings of the 2009 International Cross-Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1535654.1535672&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
ACM Digital Library	Communications of the ACM: Volume 54 Issue 2		2011	Communications of the ACM	http://dl.acm.org/citation.cfm?id=1897816&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Index	No
IEEE Xplore Digital Library	Conceptual Framework: How to Engineer Online Trust for Disabled Users	Akhter, Fahim, Buzzi, Maria Claudia, Buzzi, Marina, Leporini, Barbara	2009	Web Intelligence and Intelligent Agent Technologies, 2009. WI-IAT '09. IEEE/WIC/ACM International Joint Conferences on	http://dx.doi.org/10.1109/WI-IAT.2009.361	No	Proceedings Article	No

IEEE Xplore Digital Library	Coping with current web evolution: The miniconference approach	Al-Khalifa, H.S.	2009	Current Trends in Information Technology (CTIT), 2009 International Conference on the	http://dx.doi.org/10.1109/CTIT.2009.5423109	No	Proceedings Article	No
IEEE Xplore Digital Library	Crawling AJAX by Inferring User Interface State Changes	Mesbah, A. , Bozdog, E. , van Deursen, A.	2008	Web Engineering, 2008. ICWE '08. Eighth International Conference on	http://dx.doi.org/10.1109/ICWE.2008.24	No	Proceedings Article	No
SpringerLink	Critical Success Factors for Web 2.0 – A Reference Framework	Pedro Isaías, Paula Miranda and Sara Pifano	2009	Lecture Notes in Computer Science, 2009, Volume 5621, Online Communities and Social Computing, Pages 354-363	http://dx.doi.org/10.1007/978-3-642-02774-1_39	No	Book Chapter	No
ACM Digital Library	Cross-cultural user-interface design for work, home, play, and on the way	Aaron Marcus	2010	SA '10: SIGGRAPH ASIA 2010 Courses	http://dl.acm.org/citation.cfm?id=1900520.1900525&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
SpringerLink	CSS and Accessibility	Antony Kennedy and Inayaili de León	2011	2011, Pro CSS for High Traffic Websites, Pages 165-190	http://dx.doi.org/10.1007/978-1-4302-3289-6_6	No	Book Chapter	No
ACM Digital Library	Data and web management research at Politecnico di Milano	Stefano Ceri, Cristiana Bolchini, Daniele Braga, Marco Brambilla, Alessandro Campi, Sara Comai, Piero Fraternali, Pier Luca Lanzi, Marco Masseroli, Maristella Matera, Mauro Negri, Giuseppe Pelagatti, Giuseppe Pozzi, Elisa Quintarelli, Fabio A. Schreiber, Letizia Tanca	2007	SIGMOD Record , Volume 36 Issue 4	http://dl.acm.org/citation.cfm?id=1361348.1361359&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Journal Article	No
IEEE Xplore Digital Library	Declarative Web 2.0	Wilde, E.	2007	Information Reuse and Integration, 2007. IRI 2007. IEEE International Conference on	http://dx.doi.org/10.1109/IRI.2007.4296688	No	Proceedings Article	No
IEEE Xplore Digital Library	Developing Accessible Applications with User-Centered Architecture	Jeschke, S. , Vieritz, H. , Pfeiffer, O.	2008	Computer and Information Science, 2008. ICIS 08. Seventh IEEE/ACIS International Conference on	http://dx.doi.org/10.1109/ICIS.2008.117	No	Proceedings Article	No
SpringerLink	Developing Semantic Rich Internet Applications Using a Model-Driven Approach	Hermida, JesŮs and MeliŃ; Santiago and Montoyo, AndrŃs and GŃmez, Jaime	2011	Web Information Systems Engineering WISE 2010 Workshops. Lecture Notes in Computer Science	http://dx.doi.org/10.1007/978-3-642-24396-7_16	No	Book Chapter	No
ScienceDirect	Developing strategies for overcoming barriers to knowledge sharing based on conversational knowledge management: A case study of a financial company	Daegun Hong and Euiho Suh and Choonghyo Koo	2011	Expert Systems with Applications	http://www.sciencedirect.com/science/article/pii/S0957417411005884	No	Journal Article	No
ACM Digital Library	Development and trial of an educational tool to support the accessibility evaluation process	Christopher Bailey, Elaine Pearson	2011	W4A '11: Proceedings of the International Cross-Disciplinary Conference on Web Accessibility	http://dl.acm.org/citation.cfm?id=1969289.1969293&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
ACM Digital Library	Development framework for pervasive computing applications	Václav Slováček, Miroslav Macík, Martin Klíma	2009	SIGACCESS Accessibility and Computing , Issue 95	http://dl.acm.org/citation.cfm?id=1651259.1651262&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Journal Article	No
SpringerLink	DHTML Accessibility Checking Based on Static JavaScript Analysis	Tateishi, Takaaki and Miyashita, Hisashi and Naoshi, Tabuchi and Saito, Shin and Ono, Kouichi	2007	Universal Access in Human-Computer Interaction. Applications and Services. Lecture Notes in Computer Science	http://dx.doi.org/10.1007/978-3-540-73283-9_20	No	Book Chapter	No

ACM Digital Library	DHTML accessibility: solving the JavaScript accessibility problem	Becky Gibson, Richard Schwerdtfeger	2005	Assets '05: Proceedings of the 7th international ACM SIGACCESS conference on Computers and accessibility	http://dl.acm.org/citation.cfm?id=1090785.1090830&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
IEEE Xplore Digital Library	Discussions on accessibility in industrial automation systems	Vieritz, H. , Yazdi, F. , Jazdi, N. , Schilberg, D. , Jeschke, S. , Gohner, P.	2011	Applied Machine Intelligence and Informatics (SAMI), 2011 IEEE 9th International Symposium on	http://dx.doi.org/10.1109/SAMI.2011.5738859	No	Proceedings Article	No
Scopus	Discussions on accessibility in industrial automation systems	Vieritz, H., Yazdi, F., Jazdi, N., Schilberg, D., Jeschke, S., Gohner, P.	2011	9th IEEE International Symposium on Applied Machine Intelligence and Informatics, SAMI 2011, Proceedings, art. no. 5738859, pp. 111-116	http://dx.doi.org/10.1109/SAMI.2011.5738859	No	Proceedings Article	Yes
Scopus	Diseño de arquitecturas de información lineales para mejorar la accesibilidad web	Voces-Merayo, R.	2010	Profesional de la Informacion, 19 (4), pp. 374-382	http://dx.doi.org/10.3145/eipi.2010.jul.06	No	Journal Article	No
Scopus	Dynamic adaptation of web 2.0 applications by combining extended device profiles	Velasco, C.A., Mohamad, Y., Pullmann, J.	2009	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 5616 LNCS (PART 3), pp. 797-802	http://dx.doi.org/10.1007/978-3-642-02713-0_85	No	Proceedings Article	Yes
SpringerLink	Dynamic Adaptation of Web 2.0 Applications by Combining Extended Device Profiles	Carlos A. Velasco, Yehya Mohamad and Jaroslav Pullmann	2009	Lecture Notes in Computer Science, 2009, Volume 5616, Universal Access in Human-Computer Interaction. Applications and Services, Pages 797-802	http://dx.doi.org/10.1007/978-3-642-02713-0_85	No	Book Chapter	No
SpringerLink	Education	Paola Salomoni, Silvia Mirri, Stefano Ferretti and Marco Roccetti	2008	Human-Computer Interaction Series, 2008, Web Accessibility, Part IV, Pages 263-271	http://dx.doi.org/10.1007/978-1-84800-050-6_15	No	Book Chapter	No
SpringerLink	Educational Impact of Structured Podcasts on Blind Users	Maria Claudia Buzzi, Marina Buzzi, Barbara Leporini and Giulio Mori	2011	Lecture Notes in Computer Science, 2011, Volume 6768, Universal Access in Human-Computer Interaction. Applications and Services, Pages 521-529	http://dx.doi.org/10.1007/978-3-642-21657-2_56	No	Book Chapter	No
ACM Digital Library	Enabling an accessible web 2.0	Becky Gibson	2007	W4A '07: Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1243441.1243442&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	Enabling an accessible web 2.0	Gibson, B.	2007	ACM International Conference Proceeding Series, 225, pp. 1-6	http://dx.doi.org/10.1145/1243441.1243442	No	Proceedings Article	Yes
Scopus	End-user development of e-government services through meta-modeling	Fogli, D., Parasiliti Provenza, L.	2011	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6654 LNCS, pp. 107-122	http://dx.doi.org/10.1007/978-3-642-21530-8_10	No	Proceedings Article	Yes
SpringerLink	End-User Development of e-Government Services through Meta-modeling	Daniela Fogli and Loredana Parasiliti Provenza	2011	Lecture Notes in Computer Science, 2011, Volume 6654, End-User Development, Pages 107-122	http://dx.doi.org/10.1007/978-3-642-21530-8_10	No	Book Chapter	No

IEEE Xplore Digital Library	Enhancing authoring, modeling and collaboration in e-learning environments: UNED research outline in the context of E-Madrid excellence network	Rodriguez-Artacho, M., Mayorga, J.I., Read, T.M., Velez, J., Ros, S., Rodrigo, C., Lorenzo, E.J., Delgado, J.L., Bárcena, E., Castro-Gil, M., Martin, S., Molina, C.P.	2010	Education Engineering (EDUCON), 2010 IEEE	http://dx.doi.org/10.1109/EDUCON.2010.5492449	No	Proceedings Article	No
Scopus	Enhancing Wikipedia editing with WAI-ARIA	Senette, C., Buzzi, M.C., Buzzi, M., Leporini, B.	2009	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 5889 LNCS, pp. 159-177	http://dx.doi.org/10.1007/978-3-642-10308-7_11	No	Proceedings Article	Yes
SpringerLink	Enhancing Wikipedia Editing with WAI-ARIA	Caterina Senette, Maria Claudia Buzzi, Marina Buzzi and Barbara Leporini	2009	Lecture Notes in Computer Science, 2009, Volume 5889, HCI and Usability for e-Inclusion, Pages 159-177	http://dx.doi.org/10.1007/978-3-642-10308-7_11	No	Book Chapter	No
ACM Digital Library	Enriching web information scent for blind users	Markel Vigo, Barbara Leporini, Fabio Paternò	2009	Assets '09: Proceedings of the 11th international ACM SIGACCESS conference on Computers and accessibility	http://dl.acm.org/citation.cfm?id=1639642.1639665&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	Enriching web information scent for blind users	Vigo, M., Leporini, B., Paternò, F.	2009	ASSETS'09, Proceedings of the 11th International ACM SIGACCESS Conference on Computers and Accessibility, pp. 123-130	http://dx.doi.org/10.1145/1639642.1639665	No	Proceedings Article	Yes
SpringerLink	Evaluating Groupware Accessibility	John G. Schoeberlein and Yuanqiong (Kathy) Wang	2009	Lecture Notes in Computer Science, 2009, Volume 5616, Universal Access in Human-Computer Interaction. Applications and Services, Pages 414-423	http://dx.doi.org/10.1007/978-3-642-02713-0_44	No	Book Chapter	No
ScienceDirect	Event-driven adaptive collaboration using semantically-enriched patterns	Nikos Papageorgiou and Yiannis Verginadis and Dimitris Apostolou and Gregoris Mentzas	2011	Expert Systems with Applications	http://www.sciencedirect.com/science/article/pii/S0957417411009158	No	Journal Article	No
ACM Digital Library	Experiments towards web 2.0 accessibility	Elizabeth C. Stringer, Yeliz Yesilada, Ion Harper	2007	HT '07: Proceedings of the eighteenth conference on Hypertext and hypermedia	http://dl.acm.org/citation.cfm?id=1286240.1286249&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
SpringerLink	Exploiting Agent-Oriented Programming for Developing Future Internet Applications Based on the Web: The JaCa-Web Framework	Mattia Minotti, Alessandro Ricci and Andrea Santi	2011	Lecture Notes in Computer Science, 2011, Volume 6822, Languages, Methodologies, and Development Tools for Multi-Agent Systems, Pages 76-94	http://dx.doi.org/10.1007/978-3-642-22723-3_5	No	Book Chapter	No
ACM Digital Library	Finding usability bugs with automated tests	Julian Harty	2011	Communications of the ACM, Volume 54 Issue 2	http://dl.acm.org/citation.cfm?id=1897816.1897836&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Journal Article	No
ACM Digital Library	Finding Usability Bugs with Automated Tests	Julian Harty	2011	Queue, Volume 9 Issue 1	http://dl.acm.org/citation.cfm?id=1922539.1925091&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Journal Article	Yes

SpringerLink	Flex RIA Development and Usability Evaluation	Lenja Sorokin, Francisco Montero and Christian Märtin	2007	Lecture Notes in Computer Science, 2007, Volume 4832, Web Information Systems Engineering – WISE 2007 Workshops, Pages 447-452	http://dx.doi.org/10.1007/978-3-540-77010-7_43	No	Book Chapter	No
ACM Digital Library	Formal specification of an adaptable personal learning environment using prolog	Stephen J. Green, Elaine J. Pearson, Stavroula Gkatzidou	2009	MSIADU '09: Proceedings of the 1st ACM SIGMM international workshop on Media studies and implementations that help improving access to disabled users	http://dl.acm.org/citation.cfm?id=1631097.1631104&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
IEEE Xplore Digital Library	Framework for new generation web form and form filling for blind user	Kian Kok Cheung , Mit, E. , Chong Eng Tan	2010	Computer Applications and Industrial Electronics (ICCAIE), 2010 International Conference on	http://dx.doi.org/10.1109/ICCAIE.2010.5735089	No	Proceedings Article	No
Scopus	Framework for new generation web form and form filling for blind user	Cheung, K.K., Mit, E., Tan, C.E.	2010	ICCAIE 2010No 2010 International Conference on Computer Applications and Industrial Electronics, art. no. 5735089, pp. 276-281	http://dx.doi.org/10.1109/ICCAIE.2010.5735089	No	Proceedings Article	Yes
Scopus	Functional accessibility testing using best practices	Gunderson, J.	2009	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 5614 LNCS (PART 1), pp. 506-514	http://dx.doi.org/10.1007/978-3-642-02707-9_57	No	Proceedings Article	Yes
SpringerLink	Functional Accessibility Testing Using Best Practices	Jon Gunderson	2009	Lecture Notes in Computer Science, 2009, Volume 5614, Universal Access in Human-Computer Interaction. Addressing Diversity, Pages 506-514	http://dx.doi.org/10.1007/978-3-642-02707-9_57	No	Book Chapter	No
ACM Digital Library	Generating DAISY books from OpenOffice.org	Christophe Strobbe, Jan Engelen, Vincent Spiewak	2010	ICCHP'10: Proceedings of the 12th international conference on Computers helping people with special needs: Part I	http://dl.acm.org/citation.cfm?id=1886667.1886670&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	Yes
SpringerLink	Generating DAISY Books from OpenOffice.org	Christophe Strobbe, Jan Engelen and Vincent Spiewak	2010	Lecture Notes in Computer Science, 2010No Volume 6179, Computers Helping People with Special Needs, Pages 5-11	http://dx.doi.org/10.1007/978-3-642-14097-6_2	No	Book Chapter	No
SpringerLink	GeoDrinking: How to Extract Value from an Extended Social Wine Drinking Experience	Marcengo, Alessandro and Rapp, Amon	2009	Universal Access in Human-Computer Interaction. Context Diversity. Lecture Notes in Computer Science	http://dx.doi.org/10.1007/978-3-642-21666-4_7	No	Book Chapter	No
SpringerLink	Groupware Accessibility for Persons with Disabilities	John G. Schoeberlein and Yuanqiong (Kathy) Wang	2009	Lecture Notes in Computer Science, 2009, Volume 5616, Universal Access in Human-Computer Interaction. Applications and Services, Pages 404-413	http://dx.doi.org/10.1007/978-3-642-02713-0_43	No	Book Chapter	No
SpringerLink	Grundlagen des User Interface Design	Stephan Thesmann	2010	2010No Einführung in das Design multimedialer Webanwendungen, Pages 7-135	http://dx.doi.org/10.1007/978-3-8348-9627-8_2	No	Book Chapter	No
IEEE Xplore Digital Library	Guest Editors' Introduction: Accessibility and Assistive Technologies	Dick, W. , Golshani, F.	2008	Multimedia, IEEE, 15 , Issue:4	http://dx.doi.org/10.1109/MMUL.2008.90	No	Journal Article	No

ACM Digital Library	Guiding accessibility issues in the design of websites	Lourdes Moreno, Paloma Martínez, Belén Ruiz	2008	SIGDOC '08: Proceedings of the 26th annual ACM international conference on Design of communication	http://dl.acm.org/citation.cfm?id=1456536.1456550&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
SpringerLink	Help Tips	Cheung, Ka and Bryant, Craig	2006	2006, Flash Application Design Solutions, Part Two, Pages 209-225	http://dx.doi.org/10.1007/978-1-4302-0132-8_10	No	Book Chapter	No
SpringerLink	How Can My Website be Improved?	Alexander Dawson	2010	Getting Started Building Websites	http://dx.doi.org/10.1007/978-1-4302-2518-8_9	No	Book Chapter	No
SpringerLink	HTML5 Accessibility	Marco Casario, Peter Elst, Charles Brown, Nathalie Wormser and Cyril Hanquez	2005	2011, HTML5 Solutions: Essential Techniques for HTML5 Developers, Pages 305-330	http://dx.doi.org/10.1007/978-1-4302-3387-9_12	No	Book Chapter	No
ACM Digital Library	Identifying Behavioral Strategies of Visually Impaired Users to Improve Access to Web Content	Darren Lunn, Ion Harper, Sean Bechhofer	2011	Transactions on Accessible Computing (TACCESS) , Volume 3 Issue 4	http://dl.acm.org/citation.cfm?id=1952388.1952390&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Journal Article	No
SpringerLink	Implementing an Internet Image Search Service Based on the AJAX Web Programming Techniques	I. Anagnostopoulos, C. Anagnostopoulos, I. Psoroulas and I. Maglogiannis	2008	Studies in Computational Intelligence, 2008, Volume 93, Advances in Semantic Media Adaptation and Personalization, Pages 97-116	http://dx.doi.org/10.1007/978-3-540-76361_5	No	Book Chapter	No
ACM Digital Library	Improving the accessibility of Fabasoft Folio by means of WAI-ARIA	Mario Batusic, Daniela Steiner	2010	ICCHP'10: Proceedings of the 12th international conference on Computers helping people with special needs: Part I	http://dl.acm.org/citation.cfm?id=1886667.1886754&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	Yes
SpringerLink	Improving the Accessibility of Fabasoft Folio by Means of WAI-ARIA	Mario Batusic and Daniela Steiner	2010	Lecture Notes in Computer Science, 2010 No Volume 6179, Computers Helping People with Special Needs, Pages 476-483	http://dx.doi.org/10.1007/978-3-642-14097-6_76	No	Book Chapter	No
ACM Digital Library	Improving WCAG for elderly web accessibility	Silvana Maria Affonso de Lara, Willian Massami Watanabe, Eduardo Pezutti Beletato dos Santos, Renata P. M. Fortes	2010	SIGDOC '10: Proceedings of the 28th ACM International Conference on Design of Communication	http://dl.acm.org/citation.cfm?id=1878450.1878480&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
ScienceDirect	Inclusive social tagging and its support in Web 2.0 services	Michael Derntl and Thorsten Hampel and Renate Motschnig-Pitrik and Tomáš Pitner	2011	Computers in Human Behavior	http://www.sciencedirect.com/science/article/pii/S0747563210002906	No	Journal Article	No
ScienceDirect	Index		2009	Web Application Design Patterns	http://www.sciencedirect.com/science/article/pii/B9780123742650000165	No	Index	No
ScienceDirect	Index		2010	No Code Required	http://www.sciencedirect.com/science/article/pii/B9780123815415000390	No	Index	No
ScienceDirect	Index		2011	Data Visualization with Flash Builder	http://www.sciencedirect.com/science/article/pii/B9780240815039000148	No	Index	No
IEEE Xplore Digital Library	Information Extraction, Search, Interaction and Collaboration on the Web in Mexico	Sanchez, J.A. , Chavez, E. , Montes, M.	2008	Latin American Web Conference, 2008. LA-WEB '08.	http://dx.doi.org/10.1109/LA-WEB.2008.22	Yes	Proceedings Article	No

SpringerLink	Intelligence on the Web and e-Inclusion	Laura Burzagli and Francesco Gabbanini	2009	Lecture Notes in Computer Science, 2009, Volume 5615, Universal Access in Human-Computer Interaction. Intelligent and Ubiquitous Interaction Environments, Pages 641-649	http://dx.doi.org/10.1007/978-3-642-02710-9_71	No	Book Chapter	No
ScienceDirect	Intelligent Web-based education system for adaptive learning	Rubén Peredo and Alejandro Canales and Alain Menchaca and Iván Peredo	2011	Expert Systems with Applications	http://www.sciencedirect.com/science/article/pii/S0957417411007962	No	Journal Article	No
ACM Digital Library	interactions: Volume 15 Issue 5		2008		http://dl.acm.org/citation.cfm?id=1390085&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Index	No
SpringerLink	Internet Explorer Architecture	Matthew Crowley	2010	201No Pro Internet Explorer 8 & 9 Development, Pages 1-37	http://dx.doi.org/10.1007/978-1-4302-2854-7_1	No	Book Chapter	No
IEEE Xplore Digital Library	Introducing accessibility in the Web services domain	Giakoumis, D. , Votis, K. , Tzovaras, D. , Likothanassis, S. , Hassapis, G.	2010	Computer Science and Information Technology (ICCSIT), 2010 3rd IEEE International Conference on	http://dx.doi.org/10.1109/ICCSIT.2010.5564560	No	Proceedings Article	No
Scopus	Introducing accessibility in the web services domain	Giakoumis, D., Votis, K., Tzovaras, D., Likothanassis, S., Hassapis, G.	2010	Proceedings, 2010 3rd IEEE International Conference on Computer Science and Information Technology, ICCSIT 2010No 2, art. no. 556456No pp. 18-22	http://dx.doi.org/10.1109/ICCSIT.2010.5564560	No	Proceedings Article	Yes
SpringerLink	Introducing Rich Internet Applications (RIAs)	Smeets, Bram and Boness, Uri and Bankras, Roald	2008	Beginning Google Web Toolkit	http://dx.doi.org/10.1007/978-1-4302-1032-0_1	Yes	Book Chapter	No
IEEE Xplore Digital Library	Invariant-Based Automatic Testing of Modern Web Applications	Mesbah, A. , van Deursen, A. , Roest, D.	2011	Software Engineering, IEEE Transactions on, PP , Issue:99	http://dx.doi.org/10.1109/TSE.2011.28	No	Journal Article	No
Scopus	Is accessibility an issue in the knowledge society? Modern web applications in the light of accessibility	Bártek, L., Ošlejšek, R., Pitner, T.	2010	Communications in Computer and Information Science, 112 CCIS (PART 2), pp. 359-364	http://dx.doi.org/10.1007/978-3-642-16324-1_40	No	Proceedings Article	Yes
SpringerLink	Is Accessibility an Issue in the Knowledge Society? Modern Web Applications in the Light of Accessibility	Luděk Bártek, Radek Ošlejšek and Tomáš Pitner	2010	Communications in Computer and Information Science, 1, Volume 112, Organizational, Business, and Technological Aspects of the Knowledge Society, Pages 359-364	http://dx.doi.org/10.1007/978-3-642-16324-1_40	No	Book Chapter	No
IEEE Xplore Digital Library	Is Facebook really "open" to all?	Buzzi, M.C. , Buzzi, M. , Leporini, B. , Akhter, F.	2010	Technology and Society (ISTAS), 2010 IEEE International Symposium on	http://dx.doi.org/10.1109/ISTAS.2010.5514621	No	Proceedings Article	No
Scopus	Is Facebook really "open" to all?	Buzzi, M.C., Buzzi, M., Leporini, B., Akhter, F.	2010	International Symposium on Technology and Society, Proceedings, art. no. 5514621, pp. 327-336	http://dx.doi.org/10.1109/ISTAS.2010.5514621	No	Proceedings Article	Yes
ACM Digital Library	Is Wikipedia usable for the blind?	Marina Buzzi, Barbara Leporini	2008	W4A '08: Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1368044.1368049&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
SpringerLink	L.U.N.A. Ads – Sustaining Wireless Access for Mobile Users	Alessandro M. Martellone, David Tacconi, Vincenzo Del Fatto and Giuliana Vitiello	2008	Lecture Notes in Computer Science, 2008, Volume 5188, Visual Information Systems. Web-Based Visual Information Search and Management, Pages 155-166	http://dx.doi.org/10.1007/978-3-540-85891-1_19	Yes	Book Chapter	No

Scopus	Live regions as a solution for Web 2.0 accessibility	Thiessen, P., Treviranus, J.	2010	Journal of Access Services, 7 (1), pp. 15-32	http://www.tandfonline.com/doi/abs/10.1080/15367960903385813	No	Journal Article	No
SpringerLink	MAID: A Multi-platform Accessible Interface Design Framework	Korozi, Maria and Leonidis, Sterios and Margetis, George and Stephanidis, Constantine	2009	Universal Access in Human-Computer Interaction. Applications and Services. Lecture Notes in Computer Science	http://dx.doi.org/10.1007/978-3-642-02713-0_77	Yes	Book Chapter	No
SpringerLink	Making "Google Docs" User Interface More Accessible for Blind People	Giulio Mori, Maria Claudia Buzzi, Marina Buzzi, Barbara Leporini and Victor M. R. Penichet	2011	Lecture Notes in Computer Science, 2011, Volume 6616, Advances in New Technologies, Interactive Interfaces, and Communicability, Pages 20-29	http://dx.doi.org/10.1007/978-3-642-20810-2_4	Yes	Book Chapter	No
SpringerLink	Making Business Software Usable for Handicapped Employees	Annett Hardt and Martin Schrepp	2008	Lecture Notes in Computer Science, 2008, Volume 5105, Computers Helping People with Special Needs, Pages 502-509	http://dx.doi.org/10.1007/978-3-540-70540-6_72	No	Book Chapter	No
Scopus	Making multimedia internet content accessible and usable	Miyashita, H., Takagi, H., Sato, D., Asakawa, C.	2007	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 4556 LNCS (PART 3), pp. 98-107	http://dx.doi.org/10.1007/978-3-540-73283-9_12	No	Proceedings Article	Yes
SpringerLink	Making Multimedia Internet Content Accessible and Usable	Hisashi Miyashita, Hironobu Takagi, Daisuke Sato and Chieko Asakawa	2007	Lecture Notes in Computer Science, 2007, Volume 4556, Universal Access in Human-Computer Interaction. Applications and Services, Pages 98-107	http://dx.doi.org/10.1007/978-3-540-73283-9_12	No	Book Chapter	No
ACM Digital Library	Making Wikipedia editing easier for the blind	M. Claudia Buzzi, Marina Buzzi, Barbara Leporini, Caterina Senette	2008	NordiCHI '08: Proceedings of the 5th Nordic conference on Human-computer interaction: building bridges	http://dl.acm.org/citation.cfm?id=1463160.1463210&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
Scopus	Making wikipedia editing easier for the blind	Buzzi, M.C., Buzzi, M., Leporini, B., Senette, C.	2008	ACM International Conference Proceeding Series, 358, pp. 423-426	http://dx.doi.org/10.1145/1463160.1463210	No	Proceedings Article	Yes
Scopus	Meeting accessibility guidelines: Lessons from Australia	Berry, M., Armstrong, L., Lamshed, R.	2006	International Journal of Continuing Engineering Education and Life-Long Learning, 16 (3-4), pp. 156-172	http://dx.doi.org/10.1504/IJCEELL.2006.009196	No	Journal Article	No
IEEE Xplore Digital Library	Migration model for rich internet applications based on PureMVC framework	Zhen Pang , Fuan Wen , Xiwei Pan , Cen Lu	2010	Computer Design and Applications (ICCD), 2010 International Conference on	http://dx.doi.org/10.1109/ICCD.2010.5541053	No	Proceedings Article	No
SpringerLink	Mobile network-aware social computing applications: a framework, architecture, and analysis	Seshadri Mohan, Nitin Agarwal and Lava Al-Doski	2011	Journal of Ambient Intelligence and Humanized Computing, Online First™, 9 September 2011	http://dx.doi.org/10.1007/s12652-011-0066-y	Yes	Journal Article	No
ACM Digital Library	Mobile web browsing: usability study	Sujan Shrestha	2007	Mobility '07: Proceedings of the 4th international conference on mobile technology, applications, and systems and the 1st international symposium on Computer human interaction in mobile technology	http://dl.acm.org/citation.cfm?id=1378063.1378094&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No

IEEE Xplore Digital Library	Model Refactoring in Web Applications	Garrido, A. , Rossi, G. , Distante, D.	2007	Web Site Evolution, 2007. WSE 2007. 9th IEEE International Workshop on	http://dx.doi.org/10.1109/WSE.2007.4380249	No	Proceedings Article	No
SpringerLink	Modeling Secure Navigation in Web Information Systems	Marianne Busch, Alexander Knapp and Nora Koch	2011	Lecture Notes in Business Information Processing, 1, Volume 9No Perspectives in Business Informatics Research, Part 7, Pages 239-253	http://dx.doi.org/10.1007/978-3-642-24511-4_19	Yes	Book Chapter	No
SpringerLink	Modeling service representatives in enterprise systems using generic agents	Mehran Najafi and Kamran Sartipi	2011	Service Oriented Computing and Applications, Online First™, 15 September 2011	http://dx.doi.org/10.1007/s11761-011-0088-5	Yes	Journal Article	No
ACM Digital Library	Modelling web navigation with the user in mind	Ruslan Fayzrakhmanov, Max Göbel, Wolfgang Holzinger, Bernhard Krüpl, Andreas Mager, Robert Baumgartner	2010	W4A '10: Proceedings of the 2010 International Cross Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1805986.1806006&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
IEEE Xplore Digital Library	Modern Approach of Information Society to Knowledge Work Environment for Management	Anttila, J.	2006	Industrial Technology, 2006. ICIT 2006. IEEE International Conference on	http://dx.doi.org/10.1109/ICIT.2006.372524	No	Proceedings Article	No
Scopus	Modern approach of information society to knowledge work environment for management	Anttila, J.	2006	Proceedings of the IEEE International Conference on Industrial Technology, art. no. 4237846, pp. 2113-2118	http://dx.doi.org/10.1109/ICIT.2006.372524	No	Proceedings Article	Yes
ACM Digital Library	More than meets the eye: a survey of screen-reader browsing strategies	Yevgen Borodin, Jeffrey P. Bigham, Glenn Dausch, I. V. Ramakrishnan	2010	W4A '10: Proceedings of the 2010 International Cross Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1805986.1806005&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	More than meets the eye: A survey of screen-reader browsing strategies	Borodin, Y., Bigham, J.P., Dausch, G., Ramakrishnan, I.V.	2010	W4A 2010No International Cross Disciplinary Conference on Web Accessibility Raleigh 2010 art. no. 1806005	http://dx.doi.org/10.1145/1805986.1806005	No	Proceedings Article	Yes
IEEE Xplore Digital Library	MorfWeb: A New Way of Living the Web Access	M. Santambrogio , C. Tziviskou , G. Le Moli	2006	Information and Communication Technologies and Development, 2006. ICTD '06. International Conference on	http://dx.doi.org/10.1109/ICTD.2006.301869	No	Proceedings Article	No
IEEE Xplore Digital Library	Network-Based Information Systems, 2009. NBIS '09. International Conference on		2009	Network-Based Information Systems, 2009. NBIS '09. International Conference on	http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?pu number=5349785	No	Index	No
ACM Digital Library	On the design and implementation of a secure online password vault	Burkhard Englert, Pritesh Shah	2009	ICHIT '09: Proceedings of the 2009 International Conference on Hybrid Information Technology	http://dl.acm.org/citation.cfm?id=1644993.1645063&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
ACM Digital Library	On web accessibility evaluation environments	Nádia Fernandes, Rui Lopes, Luís Carriço	2011	W4A '11: Proceedings of the International Cross-Disciplinary Conference on Web Accessibility	http://dl.acm.org/citation.cfm?id=1969289.1969295&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	On web accessibility evaluation environments	Fernandes, N., Lopes, R., Carriço, L.	2011	W4A 2011, International Cross-Disciplinary Conference on Web Accessibility, art. no. 4	http://dx.doi.org/10.1145/1969289.1969295	No	Proceedings Article	Yes
Scopus	Ontology-enhanced user interfaces: A survey	Paulheim, H., Probst, F.	2010	International Journal on Semantic Web and Information Systems, 6 (2), pp. 36-59	http://dx.doi.org/10.4018/jswis.2010040103	No	Journal Article	No

SpringerLink	Optimization of Menu Layouts by Means of Genetic Algorithms	Troiano, Luigi and Birtolo, Co1o and Armenise, Roberto and Cirillo, Gennaro	2008	Evolutionary Computation in Combinatorial Optimization. Lecture Notes in Computer Science	http://dx.doi.org/10.1007/978-3-540-78604-7_21	No	Book Chapter	No
SpringerLink	Overview of 1st AEGIS Pilot Phase Evaluation Results	Maria Gkemou and Evangelos Bekiaris	2011	Lecture Notes in Computer Science, 2011, Volume 6765, Universal Access in Human-Computer Interaction. Design for All and eInclusion, Pages 215-224	http://dx.doi.org/10.1007/978-3-642-21672-5_24	No	Book Chapter	No
SpringerLink	Overview of Accessible Technologies	Andrew Kirkpatrick	2006	Web Accessibility, Part 2	http://dx.doi.org/10.1007/978-1-4302-0188-5_4	Yes	Book Chapter	No
SpringerLink	Overview of HTML5	Peter Lubbers, Brian Albers and Frank Salim	2010	201No Pro HTML5 Programming, Pages 1-23	http://dx.doi.org/10.1007/978-1-4302-2791-5_1	Yes	Book Chapter	No
SpringerLink	Patterns for the Model-Based Development of RIAs	Nora Koch, Matthias Pigerl, Gefei Zhang and Tatiana Morozova	2009	Lecture Notes in Computer Science, 2009, Volume 5648, Web Engineering, Pages 283-291	http://dx.doi.org/10.1007/978-3-642-02818-2_23	No	Book Chapter	No
Scopus	Patterns for usable accessible design	Javahery, H., Gower, M., Sinnig, D., Forbrig, P	2011	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6761 LNCS (PART 1), pp. 248-257	http://dx.doi.org/10.1007/978-3-642-21602-2_28	No	Proceedings Article	No
IEEE Xplore Digital Library	Platform of Rich Internet Application for Wireless Sensor Network	Hoon Kim , Young-Jun Jeon , Seung-Ho Shin	2008	Computer Science and Software Engineering, 2008 International Conference on	http://dx.doi.org/10.1109/CSE.2008.704	No	Proceedings Article	No
ACM Digital Library	Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A)	Ion Harper, Yeliz Yesilada	2007	W4A '07: Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1243441&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Index	No
ACM Digital Library	Proceedings of the 2008 ACM symposium on Applied computing	Roger L. Wainwright, Hisham M. Haddad	2008	SAC '08: Proceedings of the 2008 ACM symposium on Applied computing	http://dl.acm.org/citation.cfm?id=1363686&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Index	No
ACM Digital Library	Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A)	Yeliz Yesilada, David Sloan	2008	W4A '08: Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1368044&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
ACM Digital Library	Proceedings of the 2009 ACM symposium on Applied Computing	Sung Y. Shin, Sascha Ossowski	2009	SAC '09: Proceedings of the 2009 ACM symposium on Applied Computing	http://dl.acm.org/citation.cfm?id=1529282&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Index	No
ACM Digital Library	Proceedings of the 2009 International Cross-Disciplinary Conference on Web Accessibility (W4A)	David Sloan, Chieko Asakawa, Hironobu Takagi	2009	W4A '09: Proceedings of the 2009 International Cross-Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1535654&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Index	No
ACM Digital Library	Proceedings of the 2010 International Cross Disciplinary Conference on Web Accessibility (W4A)	Chieko Asakawa, Hironobu Takagi, Leo Ferres, Cynthia Shelly	2010	W4A '10: Proceedings of the 2010 International Cross Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1805986&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Index	No
ACM Digital Library	Proceedings of the International Cross-Disciplinary Conference on Web Accessibility	Leo Ferres, Markel Vigo, Julio Abascal	2011	W4A '11: Proceedings of the International Cross-Disciplinary Conference on Web Accessibility	http://dl.acm.org/citation.cfm?id=1969289&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
SpringerLink	Prototype Development	Christoph Riedl	2011	2011, Tool-Supported Innovation Management in Service Ecosystems, Pages 135-245	http://dx.doi.org/10.1007/978-3-8349-6802-9_7	Yes	Book Chapter	No

ScienceDirect	Providing RIA user interfaces with accessibility properties	Marino Linaje and Adolfo Lozano-Tello and Miguel A. Perez-Toledano and Juan Carlos Preciado and Roberto Rodriguez-Echeverria and Fernando Sanchez-Figueroa	2011	Journal of Symbolic Computation	http://www.sciencedirect.com/science/article/pii/S0747717110001380	No	Journal Article	No
SpringerLink	Quality in Blogs: How to Find the Best User Generated Content	Rafael Hellmann, Joachim Griesbaum and Thomas Mandl	2010	Lecture Notes in Business Information Processing, 1, Volume 47, Business Information Systems, Part 2, Pages 47-58	http://dx.doi.org/10.1007/978-3-642-12814-1_5	No	Book Chapter	No
ACM Digital Library	Queue: Volume 7 Issue 1		2009		http://dl.acm.org/citation.cfm?id=1508211&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Index	No
IEEE Xplore Digital Library	Rapid Software Prototyping Using Ajax and Google Map API	Rousseaux, F. , Lhoste, K.	2009	Advances in Computer-Human Interactions, 2009. ACHI '09. Second International Conferences on	http://dx.doi.org/10.1109/A CHI.2009.68	No	Proceedings Article	No
IEEE Xplore Digital Library	Refactoring for Usability in Web Applications	Garrido, A. , Rossi, G. , Distante, D.	2011	Software, IEEE	http://dx.doi.org/10.1109/MS.2010.114	No	Journal Article	No
IEEE Xplore Digital Library	Refactoring to Rich Internet Applications. A Model-Driven Approach	Rossi, G. , Urbietta, M. , Ginzburg, J. , Distante, D. , Garrido, A.	2008	Web Engineering, 2008. ICWE '08. Eighth International Conference on	http://dx.doi.org/10.1109/ICWE.2008.41	No	Proceedings Article	No
ScienceDirect	References		2007	Unleashing Web 2.0	http://www.sciencedirect.com/science/article/pii/B9780123740342500083	No	Index	No
SpringerLink	Restoring Semantics to BML Content for Data Broadcasting Accessibility	Kinji Matsumura, Yasuaki Kanatsugu, Takuya Handa and Tadahiro Sakai	2007	Lecture Notes in Computer Science, 2007, Volume 4556, Universal Access in Human-Computer Interaction. Applications and Services, Pages 88-97	http://dx.doi.org/10.1007/978-3-540-73283-9_11	No	Book Chapter	No
ScienceDirect	Revisiting breadth vs. depth in menu structures for blind users of screen readers	Harry Hochheiser and Jonathan Lazar	2010	Interacting with Computers	http://www.sciencedirect.com/science/article/pii/S0953543810000123	Yes	Journal Article	No
IEEE Xplore Digital Library	Rich Internet Applications	Fraternali, Piero , Rossi, Gustavo , Sá , nchez-Figueroa, Fernando	2010	Internet Computing, IEEE, 14 , Issue:3	http://dx.doi.org/10.1109/MIC.2010.76	No	Journal Article	No
SpringerLink	Search Engine Optimization for Flex	Chris Charlton	2008	2008, AdvancED Flex Application Development, Part 4, Pages 429-440	http://dx.doi.org/10.1007/978-1-4302-0442-8_17	No	Book Chapter	No
ScienceDirect	Section 1, Your First Information-Rich Application	Cesare Rocchi	2011	Data Visualization with Flash Builder	http://www.sciencedirect.com/science/article/pii/B9780240815039000045	Yes	Book Chapter	No
SpringerLink	Semantic Web and Web 2.0	Sven Casteleyn, Florian Daniel, Peter Dolog and Maristella Matera	2009	Data-Centric Systems and Applications, 2009, Engineering Web Applications, Pages 293-316	http://dx.doi.org/10.1007/978-3-540-92201-8_9	Yes	Book Chapter	No
SpringerLink	Senior Surfers 2.0: A Re-examination of the Older Web User and the Dynamic Web	Ann Chadwick-Dias, Marguerite Bergel and Thomas S. Tullis	2007	Lecture Notes in Computer Science, 2007, Volume 4554, Universal Access in Human Computer Interaction. Coping with Diversity, Pages 868-876	http://dx.doi.org/10.1007/978-3-540-73279-2_97	No	Book Chapter	No
ScienceDirect	Service-oriented grid computing system for digital rights management (GC-DRM)	Min-Jen Tsai and Yuan-Fu Luo	2009	Expert Systems with Applications	http://www.sciencedirect.com/science/article/pii/S0957417409001936	No	Journal Article	No

SpringerLink	SigTur/E-Destination: A System for the Management of Complex Tourist Regions	Joan Borràs, Joan de la Flor, Yolanda Pérez, Antonio Moreno and Aida Valls, et al.	2011	2011, Information and Communication Technologies in Tourism 2011, 2, Pages 39-50	http://dx.doi.org/10.1007/978-3-7091-0503-0_4	Yes	Book Chapter	No
ACM Digital Library	Social accessibility: achieving accessibility through collaborative metadata authoring	Hironobu Takagi, Shinya Kawanaka, Masatomo Kobayashi, Takashi Itoh, Chieko Asakawa	2008	Assets '08: Proceedings of the 10th international ACM SIGACCESS conference on Computers and accessibility	http://dl.acm.org/citation.cfm?id=1414471.1414507&coid=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
SpringerLink	Social Media: A New Frontier for Retailers?	Efthymios Constantinides, Carlota Lorenzo Romero and Miguel A. Gómez Boria	2009	European Retail Research	http://dx.doi.org/10.1007/978-3-8349-8099-1_1	Yes	Book Chapter	No
SpringerLink	Special section on Web Systems Evolution	Filippo Ricca and Liu Chao	2009	International Journal on Software Tools for Technology Transfer (STTT), 2009, Volume 11, Number 6, Pages 419-425	http://dx.doi.org/10.1007/s10009-009-0127-0	No	Journal Article	No
IEEE Xplore Digital Library	Status Sensitive Components: Adapting Rich Internet Applications to Their Runtime Context	Heidenbluth, N. , Schweiggert, F.	2009	Digital Society, 2009. ICDS '09. Third International Conference on	http://dx.doi.org/10.1109/ICDS.2009.23	Yes	Proceedings Article	No
ScienceDirect	Step Six, Digital & Online Portfolios	Larry Volk, Danielle Currier	2010	No Plastic Sleeves	http://dx.doi.org/10.1016/B978-0-240-81090-4.00006-6	Yes	Book Chapter	No
ACM Digital Library	Survey of existing languages to model interactive web applications	Jevon Wright, Jens Dietrich	2008	APCCM '08: Proceedings of the fifth Asia-Pacific conference on Conceptual Modeling, Volume 79 , Volume 79	http://dl.acm.org/citation.cfm?id=1379429.1379444&coid=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
IEEE Xplore Digital Library	Synchronite, A Service for Real-Time Lightweight Collaboration	Thum, C. , Schwind, M.	2010	P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC), 2010 International Conference on	http://dx.doi.org/10.1109/3PGCIC.2010.36	No	Proceedings Article	No
SpringerLink	Systeme für E-Learning und E-Work	Niegemann, Helmut M.	2008	Kompodium multimediales Lernen. X.media.press	http://dx.doi.org/10.1007/978-3-540-37226-4_30	No	Book Chapter	No
IEEE Xplore Digital Library	Table of Contents		2008	Web Engineering, 2008. ICWE '08. Eighth International Conference on	http://dx.doi.org/10.1109/ICWE.2008.7	No	Index	No
IEEE Xplore Digital Library	Techniques and tools for Rich Internet Applications testing	Amalfitano, D. , Fasolino, A.R. , Tramontana, P.	2010	Web Systems Evolution (WSE), 2010 12th IEEE International Symposium on	http://dx.doi.org/10.1109/WSE.2010.5623569	No	Proceedings Article	No
Scopus	Techniques and tools for rich internet applications testing	Amalfitano, D., Fasolino, A.R., Tramontana, P.	2010	Proceedings, 12th IEEE International Symposium on Web Systems Evolution, WSE 2010 art. no. 5623569, pp. 63-72	http://dx.doi.org/10.1109/WSE.2010.5623569	No	Proceedings Article	Yes
SpringerLink	The History of WebML Lessons Learned from 10 Years of Model-Driven Development of Web Applications	Stefano Ceri, Marco Brambilla and Piero Fraternali	2009	Lecture Notes in Computer Science, 2009, Volume 560No Conceptual Modeling: Foundations and Applications, Pages 273-292	http://dx.doi.org/10.1007/978-3-642-02463-4_15	Yes	Book Chapter	No
SpringerLink	The Net in the Park	Antonio Rizzo, Elisa Rubegni, Erik Grönval, Maurizio Caporali and Andrea Alessandrini	2009	Knowledge, Technology & Policy, 2009, Volume 22, Number 1, Pages 51-59	http://dx.doi.org/10.1007/s12130-009-9067-y	Yes	Journal Article	No
SpringerLink	The Seven Habits of Highly Successful JavaScript Developers	Zammetti, Frank	2007	2007, Practical JavaScript™, DOM Scripting, and Ajax Projects, Part 1, Pages 29-67	http://dx.doi.org/10.1007/978-1-4302-0197-7_2	Yes	Book Chapter	No
SpringerLink	The uptake of Web 2.0 technologies, and its impact on visually disabled users	Andy Brown, Caroline Jay, Alex Q. Chen and Ion Harper	2011	Universal Access in the Information Society, Online First™, 17 September 2011	http://dx.doi.org/10.1007/s10209-011-0251-y	Yes	Journal Article	No

IEEE Xplore Digital Library	Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	Moreno, L. , Martinez, P. , Ruiz, B. , Iglesias, A.	2011	Computer, 44 , Issue:5	http://dx.doi.org/10.1109/MC.2010.370	No	Journal Article	No
IEEE Xplore Digital Library	Towards a Model Driven Service Engineering Process	Anaby-Tavor, A. , Amid, D. , Sela, A. , Fisher, A. , Kuo Zhang , Ou Tie Jun	2008	Services, Part I, 2008. IEEE Congress on	http://dx.doi.org/10.1109/SERVICES-1.2008.89	No	Proceedings Article	No
IEEE Xplore Digital Library	Towards Dynamic Representation of Rich Internet Applications through Web Service Invocation	Alor-Hernandez, G. , Vasquez-Ramirez, R. , Posada-Gomez, R. , Juarez-Martinez, U. , Gomez, J.M. , Mencke, M. , Gonzalez, A.R.	2009	Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services, 2009. CENTRIC '09. Second International Conference on	http://dx.doi.org/10.1109/CENTRIC.2009.11	No	Proceedings Article	No
SpringerLink	Towards inclusive identity management	Lothar Fritsch, Kristin Skeide Fuglerud and Ivar Solheim	2010	Identity in the Information Society, 2010No Volume 3, Number 3, Pages 515-538	http://dx.doi.org/10.1007/s12394-010-0075-6	Yes	Journal Article	No
ACM Digital Library	Towards one world web with HearSay3	Yevgen Borodin, Jeffrey P. Bigham, Amanda Stent, I. V. Ramakrishnan	2008	W4A '08: Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1368044.1368074&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
ACM Digital Library	Towards the universal semantic assessment of accessibility	Rui Lopes, Konstantinos Votis, Lufis Carriço, Dimitrios Tzovaras, Spiridon Likothanassis	2009	SAC '09: Proceedings of the 2009 ACM symposium on Applied Computing	http://dl.acm.org/citation.cfm?id=1529282.1529311&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
SpringerLink	Transcoding	Chieko Asakawa and Hironobu Takagi	2008	Human-Computer Interaction Series, 2008, Web Accessibility, Part III, Pages 231-260	http://dx.doi.org/10.1007/978-1-84800-050-6_14	No	Book Chapter	No
SpringerLink	Usability and Accessibility of eBay by Screen Reader	Maria Claudia Buzzi, Marina Buzzi, Barbara Leporini and Fahim Akhter	2009	Lecture Notes in Computer Science, 2009, Volume 5889, HCI and Usability for e-Inclusion, Pages 500-510	http://dx.doi.org/10.1007/978-3-642-10308-7_37	Yes	Book Chapter	No
SpringerLink	Usability in the Czech Republic	Slavik, Pavel and Mikovec, Zdenek	2011	Global Usability. Human-Computer Interaction Series	http://dx.doi.org/10.1007/978-0-85729-304-6_8	Yes	Book Chapter	No
SpringerLink	User Testing of Google Reader and RIA Complexity – A Warning	Connor, Joshue	2010	Computers Helping People with Special Needs. Lecture Notes in Computer Science	http://dx.doi.org/10.1007/978-3-642-14097-6_71	No	Book Chapter	No
ACM Digital Library	User testing of Google reader and RIA complexity, a warning	Joshue O. Connor	2010	ICCHP'10: Proceedings of the 12th international conference on Computers helping people with special needs: Part I	http://dl.acm.org/citation.cfm?id=1886667.1886748&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	Yes
Scopus	User testing of google reader and RIA complexity, A warning	Connor, J.O.	2010	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6179 LNCS (PART 1), pp. 444-448	http://dx.doi.org/10.1007/978-3-642-14097-6_71	No	Proceedings Article	Yes
IEEE Xplore Digital Library	User Trust in eCommerce Services: Perception via Screen Reader	Buzzi, M.C. , Buzzi, M. , Leporini, B. , Akhter, F.	2009	New Trends in Information and Service Science, 2009. NISS '09. International Conference on	http://dx.doi.org/10.1109/NISS.2009.271	Yes	Proceedings Article	No
ACM Digital Library	Using web accessibility patterns for web application development	Sabina Jeschke, Olivier Pfeiffer, Helmut Vieritz	2009	SAC '09: Proceedings of the 2009 ACM symposium on Applied Computing	http://dl.acm.org/citation.cfm?id=1529282.1529308&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No

SpringerLink	Using Web Accessibility Patterns for Web Application Development	Helmut Vieritz, Sabina Jeschke and Olivier Pfeiffer	2011	Automation, Communication and Cybernetics in Science and Engineering 2009/2011No Part 4	http://dx.doi.org/10.1007/978-3-642-16208-4_51	No	Book Chapter	Yes
SpringerLink	Validating WCAG versions 1.0 and 2.0 through usability testing with disabled users	Dagfinn Rømen and Dag Svanæs	2011	Universal Access in the Information Society, Online First™, 28 September 2011	http://dx.doi.org/10.1007/s10209-011-0259-3	No	Journal Article	No
IEEE Xplore Digital Library	Virtual Media Enhanced Vocational Education Curriculum	Bhavani, B. , Rajamani, K. , Bijlani, K. , Achuthan, K. , Sreedha, N. , Nithyananda, V. , Rahul, J. , Sheshadri, S.	2010	Computer Research and Development, 2010 Second International Conference on	http://dx.doi.org/10.1109/ICCRD.2010.51	No	Proceedings Article	No
ACM Digital Library	W4A 2008: a review	David Sloan, Yeliz Yesilada	2008	SIGACCESS Accessibility and Computing , Issue 92	http://dl.acm.org/citation.cfm?id=1452562.1452566&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Journal Article	No
Scopus	WAI-ARIA live regions and channels: ReefChat as a case example	Thiessen, P., Russell, E.	2009	Disability and Rehabilitation: Assistive Technology, 4 (4), pp. 276-287	http://dx.doi.org/10.1080/17483100902903325	No	Journal Article	No
ACM Digital Library	WAI-ARIA live regions and HTML5	Peter Thiessen	2011	W4A '11: Proceedings of the International Cross-Disciplinary Conference on Web Accessibility	http://dl.acm.org/citation.cfm?id=1969289.1969324&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
ACM Digital Library	WAI-ARIA live regions: eBuddy IM as a case example	Peter Thiessen, Stephen Hockema	2010	W4A '10: Proceedings of the 2010 International Cross-Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1805986.1806030&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
Scopus	WAI-ARIA live regions: eBuddy IM as a case example	Thiessen, P., Hockema, S.	2010	W4A 2010 International Cross-Disciplinary Conference on Web Accessibility Raleigh 2010 art. no. 1806030	http://dx.doi.org/10.1145/1805986.1806030	No	Proceedings Article	Yes
ACM Digital Library	WCAG 2.0: a web accessibility standard for the evolving web	Loretta Guarino Reid, Andi Snow-Weaver	2008	W4A '08: Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1368044.1368069&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Proceedings Article	No
ACM Digital Library	WCAG conformance approach based on model-driven development and WebML	Willian Massami Watanabe, David Fernandes Neto, Thiago Jabur Bittar, Renata P. M. Fortes	2010	SIGDOC '10: Proceedings of the 28th ACM International Conference on Design of Communication	http://dl.acm.org/citation.cfm?id=1878450.1878479&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
SpringerLink	Web 2.0	Becky Gibson	2008	Human-Computer Interaction Series, 2008, Web Accessibility, Part IV	http://dx.doi.org/10.1007/978-1-84800-050-6_20	Yes	Book Chapter	No
ACM Digital Library	Web 2.0 and the semantic web: hindrance or opportunity?: W4A,- International Cross-Disciplinary Conference on Web Accessibility 2007	Yeliz Yesilada, Ion Harper	2008	SIGACCESS Accessibility and Computing , Issue 90	http://dl.acm.org/citation.cfm?id=1340779.1340782&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Journal Article	No
ACM Digital Library	Web 2.0: blind to an accessible new world	Joshua Hailpern, Loretta Guarino-Reid, Richard Boardman, Srinivas Annam	2009	WWW '09: Proceedings of the 18th international conference on World wide web	http://dl.acm.org/citation.cfm?id=1526709.1526820&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No

ACM Digital Library	Web accessibility for older users: successes and opportunities (keynote)	Andrew Arch	2009	W4A '09: Proceedings of the 2009 International Cross-Disciplinary Conference on Web Accessibility (W4A)	http://dl.acm.org/citation.cfm?id=1535654.1535655&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
SpringerLink	Web accessibility guidelines A lesson from the evolving Web	Simon Harper and Alex Q. Chen	2011	World Wide Web	http://dx.doi.org/10.1007/s11280-011-0130-8	Yes	Journal Article	No
SpringerLink	Web Application Design	Sven Casteleyn, Florian Daniel, Peter Dolog and Maristella Matera	2009	Data-Centric Systems and Applications, 2009, Engineering Web Applications, Pages 115-174	http://dx.doi.org/10.1007/978-3-540-92201-8_5	Yes	Book Chapter	No
SpringerLink	Web Application Development: Challenges And The Role Of Web Engineering	San Murugesan	2008	Web Engineering: Modeling and Implementing Web Applications. Human-Computer Interaction Series	http://dx.doi.org/10.1007/978-1-84628-923-1_2	Yes	Book Chapter	No
ACM Digital Library	Web toolkits accessibility study	Zdenek Mikovec, Jan Vystreil, Pavel Slavik	2009	SIGACCESS Accessibility and Computing , Issue 94	http://dl.acm.org/citation.cfm?id=1595061.1595062&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Journal Article	No
SpringerLink	Web Usability: Principles and Evaluation Methods	Maristella Matera, Francesca Rizzo and Giovanni Carughi	2006	2006, Web Engineering, Pages 143-180	http://dx.doi.org/10.1007/3-540-28218-1_5	Yes	Book Chapter	No
IEEE Xplore Digital Library	Web-based 3D visualization and interaction of medical data using Web3D	Settapat, S. , Achalakul, T. , Ohkura, M.	2010	SICE Annual Conference 2010 No Proceedings of	http://ieeexplore.ieee.org/search/srchabstract.jsp?tp=&arnumber=5602838&queryText%3D%28QT.accessible+for+all.QT.+OR+accessibility+OR+.QT.universal+access.QT.+OR+.QT.universal+design.QT.%29+AND%28recommendations+OR+guidelines+OR+pattens%29+AND+%28QT.rich+internet+applications.QT.%29%26openedRefinements%3D*%26filter%3DAND%28AND%28AND%28NOT%284283010803%29%29%2CAND%28NOT%284283010803%29%29%2CAND%28NOT%284283010803%29%29%26matchBoolean%3Dtrue%26pageNumber%3D3%26searchField%3DSearch+All+Text	No	Proceedings Article	No
IEEE Xplore Digital Library	Web-based real-time remote monitoring for pervasive healthcare	Bingchuan Yuan , Herbert, J.	2011	Pervasive Computing and Communications Workshops (PERCOM Workshops), 2011 IEEE International Conference on	http://dx.doi.org/10.1109/PERCOW.2011.5766964	No	Proceedings Article	No
IEEE Xplore Digital Library	Web-Based Service for Collaborative Organization of Academic Events,- Case Study of "Takeplace"	Š , krabá , lek, J. , Ludí , k, T. , Slabý , , J. , Pitner, T.	2010	Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2010 12th International Symposium on	http://dx.doi.org/10.1109/SYNASC.2010.66	No	Proceedings Article	No
IEEE Xplore Digital Library	Web-Based Simulation Systems in Technological Education Implemented as Micro-worlds	Oikonomidis, A. , Iliopoulos, C.	2010	Informatics (PCI), 2010 14th Panhellenic Conference on	http://dx.doi.org/10.1109/PCI.2010.36	No	Proceedings Article	No

SpringerLink	Web-Based Support by Thin-Client Co-browsing	Matthias Niederhausen, Stefan Pietschmann, Tobias Ruch and Klaus Meißner	2010	Advanced Information and Knowledge Processing, 2010No Emergent Web Intelligence: Advanced Semantic Technologies, Part 4, Pages 395-428	http://dx.doi.org/10.1007/978-1-84996-077-9_15	Yes	Book Chapter	No
ACM Digital Library	WebinSitu: a comparative analysis of blind and sighted browsing behavior	Jeffrey P. Bigham, Anna C. Cavender, Jeremy T. Brudvik, Jacob O. Wobbrock, Richard E. Lander	2007	Assets '07: Proceedings of the 9th international ACM SIGACCESS conference on Computers and accessibility	http://dl.acm.org/citation.cfm?id=1296843.1296854&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
Scopus	WebTrax: Visualizing non-visual web interactions	Bigham, J.P., Murray, K.	2010	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6180 LNCS (PART 2), pp. 346-353	http://dx.doi.org/10.1007/978-3-642-14100-3_51	No	Proceedings Article	Yes
SpringerLink	WebTrax: Visualizing Non-visual Web Interactions	Jeffrey P. Bigham and Kyle Murray	2010	Lecture Notes in Computer Science, 2010No Volume 618No Computers Helping People with Special Needs, Pages 346-353	http://dx.doi.org/10.1007/978-3-642-14100-3_51	No	Book Chapter	No
IEEE Xplore Digital Library	Well-Balanced Usability & Annotation Complexity in Interactive Video Semantization	Yiwei Cao , Renzel, D. , Jarke, M. , Klamma, R. , Lottko, M. , Toubekis, G. , Jansen, M.	2010	Multimedia and Ubiquitous Engineering (MUE), 2010 4th International Conference on	http://dx.doi.org/10.1109/MUE.2010.5575051	No	Proceedings Article	No
ACM Digital Library	What's happening	Marisa Campbell	2004	Interactions , Volume 11 Issue 6	http://dl.acm.org/citation.cfm?id=1029036.1029041&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	No	Index	No
ACM Digital Library	What's new?: making web page updates accessible	Yevgen Borodin, Jeffrey P. Bigham, Rohit Raman, I. V. Ramakrishnan	2008	Assets '08: Proceedings of the 10th international ACM SIGACCESS conference on Computers and accessibility	http://dl.acm.org/citation.cfm?id=1414471.1414499&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Proceedings Article	No
SpringerLink	What's Next? A Visual Editor for Correcting Reading Order	Daisuke Sato, Masatomo Kobayashi, Hironobu Takagi and Chieko Asakawa	2009	Lecture Notes in Computer Science, 2009, Volume 5726, Human-Computer Interaction – INTERACT 2009, Pages 364-377	http://dx.doi.org/10.1007/978-3-642-03655-2_41	No	Book Chapter	No
SpringerLink	Where to from Here?	Murphy, Christopher and Persson, Nicklas	2009	2009, HTML and CSS Web Standards Solutions, Part Two, Pages 377-397	http://dx.doi.org/10.1007/978-1-4302-1607-0_14	No	Book Chapter	No
ACM Digital Library	Widget identification and modification for web 2.0 access technologies (WIMWAT)	Alex Q. Chen	2010	SIGACCESS Accessibility and Computing , Issue 96	http://dl.acm.org/citation.cfm?id=1731849.1731851&coll=DL&dl=ACM&CFID=53861791&CFTOKEN=82181614	Yes	Journal Article	No
IEEE Xplore Digital Library	Will HTML 5 Restandardize the Web?	Vaughan-Nichols, S.J.	2010	Computer, 43 , Issue:4	http://dx.doi.org/10.1109/MC.2010.119	No	Journal Article	No
IEEE Xplore Digital Library	Windows User Interfaces and Web User Interfaces: Convergence and Confusion in Online Experiences	Potts, L.	2006	International Professional Communication Conference, 2006 IEEE	http://dx.doi.org/10.1109/I PCC.2006.320352	No	Proceedings Article	No
SpringerLink	Workshop PC Chairs' Message	Silvia Abrahão, Cristina Cachero and Maristella Matera	2007	Lecture Notes in Computer Science, 2007, Volume 4832, Web Information Systems Engineering – WISE 2007 Workshops, Pages 409-410	http://dx.doi.org/10.1007/978-3-540-77010-7_38	No	Index	No

Table 4. Results from the manual inclusion/exclusion step.

Source	Title	Accessib. RIAs	RDP RIAs	Accessib. CRIAs	RGP CRIAs	Awareness CRIAs	RGP Awareness CRIAs	Language	Online	Index	Review?
ScienceDirect	2, On-Site Strategy	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	2007 Latin American Web Conference (LA-WEB 2007), TOC	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
Scopus	A 'visual-centred' mapping approach for improving access to Web 2.0 for people with visual impairments	Yes	No	No	No	No	No	Yes	No	No	FALSE
SpringerLink	A blog-centered IPTV environment for enhancing contents provision, consumption, and evolution	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	A Bridge to Web Accessibility from the Usability Heuristics	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	A Concept of a Web Application Blending Thin and Fat Client Architectures	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	A Crawljax Based Approach to Exploit Traditional Accessibility Evaluation Tools for AJAX Applications	Yes	No	No	No	No	No	Yes	No	No	FALSE
ACM Digital Library	A design pattern language for accessible web sites	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	A Double-Model Approach to Achieve Effective Model-View Separation in Template Based Web Applications	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	A Model-Based Approach for Developing Vectorial User Interfaces	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	A review of the widget landscape and incompatibilities between widget engines	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	A Standalone Vision Impairments simulator for Java Swing Applications	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	A Survey of Requirements Specification in Model-Driven Development of Web Applications	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	A Survey of Web Research in Argentina	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	A Test-oriented Architecture for Network Fault Management	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	A Theoretical Survey of User Interface Description Languages: Preliminary Results	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	A tool to support the web accessibility evaluation process for novices	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	A UCD Approach towards the Design, Development and Assessment of Accessible Applications in a Large Scale European Integrated Project	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	A visual impaired simulator to achieve embedded accessibility designs	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	A web compliance engineering framework to support the development of accessible rich internet applications	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	A Web Usability Evaluation Process for Model-Driven Web Development	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	A Web-based graphical user interface for evidence-based decision making for health care allocations in rural areas	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	A zero-vision music recording paradigm for	No	No	No	No	No	No	Yes	Yes	No	FALSE

	visually impaired people											
SpringerLink	Access Services	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Accessibility by demonstration: enabling end users to guide developers to web accessibility solutions	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Accessibility challenges and tool features: an IBM Web developer perspective	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Accessibility Evaluation for Multimedia Content	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Accessibility for simple to moderate-complexity DHTML web sites	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Accessibility in Rich Internet Applications	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Accessibility of emerging rich web technologies: web 2.0 and the semantic web	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Accessing e-Learning Systems via Screen Reader: An Example	Yes	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Accessing Google Docs via Screen Reader	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	ACM SIGACCESS Accessibility and Computing	No	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
SpringerLink	Adaptive Reactive Rich Internet Applications	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Ajax live regions: chat as a case example	Yes	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Ajax live regions: ReefChat using the fire vox screen reader as a case example	Yes	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	Ajax Security in Groupware	No	No	No	Yes	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Ajax: Where the Client and Server Collide	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	An Accessible Platform for Conference Administration and Management	No	No	Yes	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	An Analysis of MoReq2010 from the Perspective of TOGAF	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	An Architecture for Multiple Web Accessibility Evaluation Environments	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	An End-User Evaluation Point of View Towards OSS Assistive Technology	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	An investigative approach on improving B2B interactions and communication capabilities for enterprise integration using web 2.0 technologies	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	An overview of multimedia support into JavaScript-based Frameworks for developing RIAs	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Anhang	No	No	No	No	No	No	No	No	Yes	No	FALSE
ScienceDirect	Application integration on the user interface level: An ontology-based approach	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Application of Project Portfolio Management	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Application of traditional software testing methodologies to web accessibility	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
Scopus	ARIA live regions: An introduction to channels	Yes	Yes	Yes	No	No	No	No	Yes	No	No	FALSE
IEEE Xplore Digital Library	Assessing the accessibility of UI for all ages	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Audio access to calendars	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Audio presentation of auto-suggest lists	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Authoring Tools	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Automatic accessibility transcoding for flash content	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	Yes	Yes	No	No	No	No	No	Yes	Yes	No	TRUE

Scopus	Automatic web accessibility metrics: Where we are and where we can go	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	AxsJAX: a talking translation bot using google IM: bringing web-2.0 applications to life	Yes	Yes	Yes	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Benutzungsorientierte Entwicklung barrierefreier Benutzungsschnittstellen	No	No	No	No	No	No	No	Yes	No	FALSE
ACM Digital Library	Beyond Specifications: Towards a Practical Methodology for Evaluating Web Accessibility	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Building a Usable and Accessible Semantic Web Interaction Platform	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	Building a web platform for learning advanced digital communications using a MIMO testbed	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Building Communication With Access for All	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Building Reusable Remote Labs with Adaptable Client User-Interfaces	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Call for Papers	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
ScienceDirect	Chapter 1, Introduction	No	No	No	No	No	No	Yes	Yes	No	FALSE
ScienceDirect	Chapter 11, Accessibility	Yes	Yes	No	No	No	No	Yes	No	No	FALSE
ScienceDirect	Chapter 13, Pattern Libraries	No	No	No	No	No	No	Yes	Yes	No	FALSE
ScienceDirect	Chapter 18, Social Accessibility: A collaborative approach to improving Web accessibility	Yes	Yes	Yes	Yes	No	No	Yes	No	No	FALSE
ScienceDirect	Chapter 6, Searching and Filtering	No	No	No	No	No	No	Yes	Yes	No	FALSE
ScienceDirect	Chapter 8, Rich Internet Applications	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Collaborative Editing for All: The Google Docs Example	Yes	Yes	Yes	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Combining SADIE and AxsJAX to improve the accessibility of web content	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Communications of the ACM: Volume 54 Issue 2	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
IEEE Xplore Digital Library	Conceptual Framework: How to Engineer Online Trust for Disabled Users	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	Coping with current web evolution: The miniconference approach	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Crawling AJAX by Inferring User Interface State Changes	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Critical Success Factors for Web 2.0 – A Reference Framework	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Cross-cultural user-interface design for work, home, play, and on the way	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	CSS and Accessibility	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Data and web management research at Politecnico di Milano	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Declarative Web 2.0	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Developing Accessible Applications with User-Centered Architecture	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Developing Semantic Rich Internet Applications Using a Model-Driven Approach	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
ScienceDirect	Developing strategies for overcoming barriers to knowledge sharing based on conversational knowledge management: A case study of a financial company	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Development and trial of an educational tool to	No	No	No	No	No	No	Yes	Yes	No	FALSE

	support the accessibility evaluation process										
ACM Digital Library	Development framework for pervasive computing applications	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	DHTML Accessibility Checking Based on Static JavaScript Analysis	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	DHTML accessibility: solving the JavaScript accessibility problem	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	Discussions on accessibility in industrial automation systems	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE
Scopus	Diseño de arquitecturas de información lineales para mejorar la accesibilidad web	No	No	No	No	No	No	No	Yes	No	FALSE
SpringerLink	Dynamic Adaptation of Web 2.0 Applications by Combining Extended Device Profiles	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Education	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Educational Impact of Structured Podcasts on Blind Users	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Enabling an accessible web 2.0	Yes	Yes	Yes	No	No	No	Yes	Yes	No	TRUE
SpringerLink	End-User Development of e-Government Services through Meta-modeling	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Enhancing authoring, modelling and collaboration in e-learning environments: UNED research outline in the context of E-Madrid excellence network	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Enhancing Wikipedia Editing with WAI-ARIA	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Enriching web information scent for blind users	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Evaluating Groupware Accessibility	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	TRUE
ScienceDirect	Event-driven adaptive collaboration using semantically-enriched patterns	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Experiments towards web 2.0 accessibility	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Exploiting Agent-Oriented Programming for Developing Future Internet Applications Based on the Web: The JaCa-Web Framework	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Finding usability bugs with automated tests	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Flex RIA Development and Usability Evaluation	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Formal specification of an adaptable personal learning environment using prolog	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Framework for new generation web form and form filling for blind user	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Functional Accessibility Testing Using Best Practices	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Generating DAISY Books from OpenOffice.org	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	GeoDrinking: How to Extract Value from an Extended Social Wine Drinking Experience	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Groupware Accessibility for Persons with Disabilities	No	No	Yes	No	Yes	No	Yes	Yes	No	TRUE
SpringerLink	Grundlagen des User Interface Design	No	No	No	No	No	No	No	Yes	No	FALSE
IEEE Xplore Digital Library	Guest Editors' Introduction: Accessibility and Assistive Technologies	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
ACM Digital Library	Guiding accessibility issues in the design of websites	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Help Tips	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	How Can My Website be Improved?	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	HTML5 Accessibility	Yes	Yes	No	No	No	No	Yes	No	No	FALSE
ACM Digital Library	Identifying Behavioral Strategies of Visually Impaired Users to Improve Access to Web Content	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Implementing an Internet Image Search Service	No	No	No	No	No	No	Yes	Yes	No	FALSE

	Based on the AJAX Web Programming Techniques											
SpringerLink	Improving the Accessibility of Fabasoft Folio by Means of WAI-ARIA	Yes	No	No	No	No	No	Yes	Yes	No	TRUE	
ACM Digital Library	Improving WCAG for elderly web accessibility	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ScienceDirect	Inclusive social tagging and its support in Web 2.0 services	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ScienceDirect	Index	No	No	No	No	No	No	Yes	Yes	Yes	FALSE	
ScienceDirect	Index	No	No	No	No	No	No	Yes	Yes	Yes	FALSE	
ScienceDirect	Index	No	No	No	No	No	No	Yes	Yes	Yes	FALSE	
IEEE Xplore Digital Library	Information Extraction, Search, Interaction and Collaboration on the Web in Mexico	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Intelligence on the Web and e-Inclusion	Yes	No	No	No	No	No	Yes	Yes	No	TRUE	
ScienceDirect	Intelligent Web-based education system for adaptive learning	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ACM Digital Library	interactions: Volume 15 Issue 5	No	No	No	No	No	No	Yes	Yes	Yes	FALSE	
SpringerLink	Internet Explorer Architecture	No	No	No	No	No	No	Yes	Yes	No	FALSE	
IEEE Xplore Digital Library	Introducing accessibility in the Web services domain	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE	
SpringerLink	Introducing Rich Internet Applications (RIAs)	No	No	No	No	No	No	Yes	Yes	No	FALSE	
IEEE Xplore Digital Library	Invariant-Based Automatic Testing of Modern Web Applications	No	No	No	Yes	No	No	Yes	Yes	No	TRUE	
SpringerLink	Is Accessibility an Issue in the Knowledge Society? Modern Web Applications in the Light of Accessibility	Yes	No	No	No	No	No	Yes	Yes	No	TRUE	
IEEE Xplore Digital Library	Is Facebook really "open" to all?	Yes	No	No	No	No	No	Yes	Yes	No	TRUE	
ACM Digital Library	Is Wikipedia usable for the blind?	No	No	Yes	No	No	No	Yes	Yes	No	TRUE	
SpringerLink	L.U.N.A. Ads – Sustaining Wireless Access for Mobile Users	No	No	No	No	No	No	Yes	Yes	No	FALSE	
Scopus	Live regions as a solution for Web 2.0 accessibility	Yes	Yes	Yes	No	No	No	Yes	No	No	FALSE	
SpringerLink	MAID: A Multi-platform Accessible Interface Design Framework	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Making "Google Docs" User Interface More Accessible for Blind People	No	No	Yes	No	No	No	Yes	Yes	No	TRUE	
SpringerLink	Making Business Software Usable for Handicapped Employees	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Making Multimedia Internet Content Accessible and Usable	Yes	No	No	No	No	No	Yes	Yes	No	TRUE	
ACM Digital Library	Making Wikipedia editing easier for the blind	Yes	No	No	No	No	No	Yes	Yes	No	TRUE	
Scopus	Meeting accessibility guidelines: Lessons from Australia	Yes	Yes	No	No	No	No	Yes	No	No	FALSE	
IEEE Xplore Digital Library	Migration model for rich internet applications based on PureMVC framework	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Mobile network-aware social computing applications: a framework, architecture, and analysis	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ACM Digital Library	Mobile web browsing: usability study	No	No	No	No	No	No	Yes	Yes	No	FALSE	
IEEE Xplore Digital Library	Model Refactoring in Web Applications	No	Yes	No	No	No	No	Yes	Yes	No	TRUE	
SpringerLink	Modeling Secure Navigation in Web Information Systems	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Modeling service representatives in enterprise systems using generic agents	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ACM Digital Library	Modelling web navigation with the user in mind	Yes	No	No	No	No	No	Yes	Yes	No	TRUE	
IEEE Xplore Digital Library	Modern Approach of Information Society to Knowledge Work Environment for	No	No	No	No	No	No	Yes	Yes	No	FALSE	

	Management										
ACM Digital Library	More than meets the eye: a survey of screen-reader browsing strategies	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	MorfWeb: A New Way of Living the Web Access	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Network-Based Information Systems, 2009. NBIS '09. International Conference on	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
ACM Digital Library	On the design and implementation of a secure online password vault	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	On web accessibility evaluation environments	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE
Scopus	Ontology-enhanced user interfaces: A survey	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Optimization of Menu Layouts by Means of Genetic Algorithms	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Overview of 1st AEGIS Pilot Phase Evaluation Results	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Overview of Accessible Technologies	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Overview of HTML5	No	No	No	No	No	No	Yes	No	No	FALSE
SpringerLink	Patterns for the Model-Based Development of RIAs	No	No	No	No	No	No	Yes	Yes	No	FALSE
Scopus	Patterns for usable accessible design	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	Platform of Rich Internet Application for Wireless Sensor Network	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A)	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
ACM Digital Library	Proceedings of the 2008 ACM symposium on Applied computing	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
ACM Digital Library	Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A)	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
ACM Digital Library	Proceedings of the 2009 ACM symposium on Applied Computing	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
ACM Digital Library	Proceedings of the 2009 International Cross-Disciplinary Conference on Web Accessibility (W4A)	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
ACM Digital Library	Proceedings of the 2010 International Cross Disciplinary Conference on Web Accessibility (W4A)	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
ACM Digital Library	Proceedings of the International Cross-Disciplinary Conference on Web Accessibility	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
SpringerLink	Prototype Development	No	No	No	No	No	No	Yes	Yes	No	FALSE
ScienceDirect	Providing RIA user interfaces with accessibility properties	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Quality in Blogs: How to Find the Best User Generated Content	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Queue: Volume 7 Issue 1	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
IEEE Xplore Digital Library	Rapid Software Prototyping Using Ajax and Google Map API	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Refactoring for Usability in Web Applications	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Refactoring to Rich Internet Applications. A Model-Driven Approach	No	No	No	No	No	No	Yes	Yes	No	FALSE
ScienceDirect	References	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
SpringerLink	Restoring Semantics to BML Content for Data Broadcasting Accessibility	No	No	No	No	No	No	Yes	Yes	No	FALSE
ScienceDirect	Revisiting breadth vs. depth in menu structures for blind users of screen readers	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital	Rich Internet Applications	No	No	No	No	No	No	Yes	Yes	No	FALSE

Library												
SpringerLink	Search Engine Optimization for Flex	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ScienceDirect	Section 1, Your First Information-Rich Application	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Semantic Web and Web 2.0	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Senior Surfers 2.0: A Re-examination of the Older Web User and the Dynamic Web	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
ScienceDirect	Service-oriented grid computing system for digital rights management (GC-DRM)	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	SigTur/E-Destination: A System for the Management of Complex Tourist Regions	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Social accessibility: achieving accessibility through collaborative metadata authoring	Yes	No	Yes	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Social Media: A New Frontier for Retailers?	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Special section on Web Systems Evolution	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Status Sensitive Components: Adapting Rich Internet Applications to Their Runtime Context	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ScienceDirect	Step Six, Digital & Online Portfolios	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Survey of existing languages to model interactive web applications	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Synchronite, A Service for Real-Time Lightweight Collaboration	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Systeme für E-Learning und E-Work	No	No	No	No	No	No	No	No	Yes	No	FALSE
IEEE Xplore Digital Library	Table of Contents	No	No	No	No	No	No	No	Yes	Yes	Yes	FALSE
IEEE Xplore Digital Library	Techniques and tools for Rich Internet Applications testing	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	The History of WebML Lessons Learned from 10 Years of Model-Driven Development of Web Applications	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	The Net in the Park	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	The Seven Habits of Highly Successful JavaScript Developers	Yes	Yes	No	No	No	No	No	Yes	No	No	FALSE
SpringerLink	The uptake of Web 2.0 technologies, and its impact on visually disabled users	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	Towards a Model Driven Service Engineering Process	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
IEEE Xplore Digital Library	Towards Dynamic Representation of Rich Internet Applications through Web Service Invocation	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Towards inclusive identity management	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Towards one world web with HearSay3	Yes	No	Yes	No	No	No	No	Yes	Yes	No	TRUE
ACM Digital Library	Towards the universal semantic assessment of accessibility	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Transcoding	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	Usability and Accessibility of eBay by Screen Reader	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Usability in the Czech Republic	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
SpringerLink	User Testing of Google Reader and RIA Complexity – A Warning	Yes	No	No	No	No	No	No	Yes	Yes	No	TRUE
IEEE Xplore Digital Library	User Trust in eCommerce Services: Perception via Screen Reader	No	No	No	No	No	No	No	Yes	Yes	No	FALSE
ACM Digital Library	Using web accessibility patterns for web application development	Yes	Yes	No	No	No	No	No	Yes	Yes	No	TRUE
SpringerLink	Validating WCAG versions 1.0 and 2.0 through	No	No	No	No	No	No	No	Yes	Yes	No	FALSE

	usability testing with disabled users											
IEEE Xplore Digital Library	Virtual Media Enhanced Vocational Education Curriculum	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ACM Digital Library	W4A 2008: a review	No	No	No	No	No	No	Yes	Yes	No	FALSE	
Scopus	WAI-ARIA live regions and channels: ReefChat as a case example	Yes	No	Yes	No	No	No	Yes	No	No	FALSE	
ACM Digital Library	WAI-ARIA live regions and HTML5	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE	
ACM Digital Library	WAI-ARIA live regions: eBuddy IM as a case example	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	TRUE	
ACM Digital Library	WCAG 2.0: a web accessibility standard for the evolving web	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE	
ACM Digital Library	WCAG conformance approach based on model-driven development and WebML	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Web 2.0	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	TRUE	
ACM Digital Library	Web 2.0 and the semantic web: hindrance or opportunity?: W4A,- International Cross-Disciplinary Conference on Web Accessibility 2007	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ACM Digital Library	Web 2.0: blind to an accessible new world	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE	
ACM Digital Library	Web accessibility for older users: successes and opportunities (keynote)	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Web accessibility guidelines A lesson from the evolving Web	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Web Application Design	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Web Application Development: Challenges And The Role Of Web Engineering	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ACM Digital Library	Web toolkits accessibility study	Yes	Yes	No	No	No	No	Yes	Yes	No	TRUE	
SpringerLink	Web Usability: Principles and Evaluation Methods	No	No	No	No	No	No	Yes	Yes	No	FALSE	
IEEE Xplore Digital Library	Web-based 3D visualization and interaction of medical data using Web3D	No	No	No	No	No	No	Yes	Yes	No	FALSE	
IEEE Xplore Digital Library	Web-based real-time remote monitoring for pervasive healthcare	No	No	No	No	No	No	Yes	Yes	No	FALSE	
IEEE Xplore Digital Library	Web-Based Service for Collaborative Organization of Academic Events,- Case Study of "Takeplace"	No	No	No	No	No	No	Yes	Yes	No	FALSE	
IEEE Xplore Digital Library	Web-Based Simulation Systems in Technological Education Implemented as Micro-worlds	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Web-Based Support by Thin-Client Co-browsing	No	No	Yes	No	Yes	No	Yes	Yes	No	TRUE	
ACM Digital Library	WebinSitu: a comparative analysis of blind and sighted browsing behavior	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	WebTrax: Visualizing Non-visual Web Interactions	No	No	No	No	No	No	Yes	Yes	No	FALSE	
IEEE Xplore Digital Library	Well-Balanced Usability & Annotation Complexity in Interactive Video Semantization	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ACM Digital Library	What's happening	No	No	No	No	No	No	Yes	Yes	Yes	FALSE	
ACM Digital Library	What's new?: making web page updates accessible	Yes	No	No	No	No	No	Yes	Yes	No	TRUE	
SpringerLink	What's Next? A Visual Editor for Correcting Reading Order	No	No	No	No	No	No	Yes	Yes	No	FALSE	
SpringerLink	Where to from Here?	No	No	No	No	No	No	Yes	Yes	No	FALSE	
ACM Digital Library	Widget identification and modification for web 2.0 access technologies (WIMWAT)	Yes	No	No	No	No	No	Yes	Yes	No	TRUE	
IEEE Xplore Digital Library	Will HTML 5 Restandardize the Web?	No	No	No	No	No	No	Yes	Yes	No	FALSE	
IEEE Xplore Digital	Windows User Interfaces and Web User	No	No	No	No	No	No	Yes	Yes	No	FALSE	

Library	Interfaces: Convergence and Confusion in Online Experiences											
SpringerLink	Workshop PC Chairs' Message	No	No	No	No	No	No	Yes	Yes	Yes	FALSE	

Table 5. Studies overview, part 1 (country, contributions and concepts and synonyms for (collaborative) RIAs.

Date of data extraction	Title	Country	Main contributions	Description of the main contribution (in Portuguese)	Concepts and synonyms for RIAs	Concepts and synonyms for (collaborative) RIAs	Description of contribution for awareness of others
17/11/2011	A design pattern language for accessible web sites	Italy	RecGuidPat Proposition/Extension	Linguagem de patterns para criação de RIAs acessíveis. Estão disponíveis online em uma RIA acessível.			
09/12/2011	A UCD Approach towards the Design, Development and Assessment of Accessible Applications in a Large Scale European Integrated Project	Belgium, Greece	RecGuidPat Proposition/Extension	método de desenvolvimento de RIAs acessíveis, utilizando UCD			
09/12/2011	A visual impaired simulator to achieve embedded accessibility designs	Greece	RecGuidPat Proposition/Extension, Tool Proposition/Extension	simulador de deficiências visuais para NetBeans			
12/12/2011	A web compliance engineering framework to support the development of accessible rich internet applications	Germany	Tool Proposition/Extensions	Proposição de framework para criação de RIAs acessíveis	Rich Internet Applications are Web Applications that emulate the functionality of traditional desktop applications in a Web browser.		
21/10/2011	Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	U.S.A.	Survey	pesquisa com profissionais da IBM sobre os desafios para o desenvolvimento de aplicações Web acessíveis	highly dynamic, interactive Web-based applications		
12/12/2011	Accessibility Evaluation for Multimedia Content	Japan	Survey	survey em website para avaliar a acessibilidade de conteúdo em Flash			Windowless mode option. Using the windowless mode creates very critical and severe issues, because once this mode is active, the Flash content becomes hidden from screen readers. There is no way for blind users even to be aware of its existence.
12/12/2011	Accessibility for simple to moderate-complexity DHTML web sites	U.S.A.	RecGuidPat Proposition/Extension	Patterns para construção de widgets para RIAs em Ajax	Complex DHTML		
13/12/2011	Accessibility in Rich Internet Applications	U.S.A.	Survey	Capítulo de livro sobre acessibilidade em RIAs. Traz diversas técnicas para resolver problema recorrentes em RIAs, além de exemplos de utilização de WAI-ARIA.			
10/01/2012	Accessibility of emerging rich web technologies: web 2.0 and the semantic web	U.S.A.	Survey	visão geral de desafios e oportunidades em acessibilidade trazidos pela Web 2.0 e pela Web semântica	Web 2.0 applications		As content updates, the user must a) be aware of the update and b) be able to access the new content, both while c) not being unduly interrupted in their current task
31/01/2012	Accessing e-Learning Systems via Screen Reader: An Example	Italy	Tool Evaluation	avaliação de acessibilidade do Moodle usando leitor de telas			
30/01/2012	Accessing Google Docs via Screen Reader	Italy, Spain	Tool Evaluation	avaliação do GDocs usando leitor de telas	Web 2.0 applications	groupware, collaborative tool	Awareness, one of the main properties of a groupware system, is also one of the accessibility principles: a user would be able to perceive when portions of UI reload and by means of the screen reader, to know the associated event occurring (e.g. a new person joining the chat, a new chat

							message arriving on the board, a new user working on te document, and so on). Regarding awareness of what is happening in the UI, the definition of WAI-ARIA live regions enables the screen reader to intercept dynamic changes in the page (which does not reload the whole page, but only a portion, typical of Ajax applications) and informs the user.
16/01/2012	Ajax live regions: chat as a case example	Canada, U.S.A.	RecGuidPat Evaluation	Avaliação de live regions por meio de uma ferramenta de chat	Web 2.0 Internet Application, Web 2.0 Applications		Scoreboard example from CLC world. http://accessibleajax.cleworld.net The ideal solution would be to mimic the visual formatting of the chat widget by using multiple spoken voices in paralel with varying volumes. [the visual formatting classifies messages in three scales of priority according the message content] Only the assertive live region setting was used but messages were organized into two groups of messages, relevant and not relevant.
10/01/2012	Ajax live regions: ReefChat using the fire vox screen reader as a case example	Canada, U.S.A.	Tool Proposition/Extensions	proposição de chat acessível e leitor de telas	Ajax web applications break this assumption [information of a web page as content that can be linearized]; new content can appear in arbitrary locations and users interactions with the page are far more complex.		One of the most important aspects of making desktop application accessible is to inform users of important events that are occurring on parts of the screen, even if those parts are not focused. For example, in a chat application, the users's focus is on the input blank, but is essential to inform the user of what the other chatters have typed.On the other hand, it is important not to overwhelm the user with a flood of information, especially if that information is trivial.
02/02/2012	Ajax Security in Groupware	Austria	Survey	investigação dos problemas de segurança oriundos do uso de Ajax em groupware	web-based applications	groupware	The asynchronous nature enhances problems as well: When a request has been answered is obvious, but determining when these results have actually been incorporated into the view is difficult, as timers and push notifications may be used. Such surprising changes of the webpage structure will be especially difficult e.g. for Braille readers.
30/01/2012	An Accessible Platform for Conference Administration and Management	Greece	Tool Proposition/Extensions	proposição de uma ferramenta para administração de conferências acessível			
1/26/2012	An Architecture for Multiple Web Accessibility Evaluation Environments	Portugal	Tool Proposition/Extensions	proposição de ferramenta de avaliação de acessibilidade web, tanto do DOM original, quanto do renderizado por script no lado do cliente.			
31/01/2012	Application of traditional software testing methodologies to web accessibility	U.S.A.	Survey	o texto é uma revisão de metodologias de avaliação para acessibilidade que tem argumento a favor do uso de Traditional Software Testing			
01/02/2012	Assessing the accessibility of UI for all ages	Bulgary, Germany	RecGuidPat Proposition/Extension	investigação de tecnologias e proposição de guidelines para acessibilidade, especialmente para pessoal idosas			
11/01/2012	Audio presentation of auto-suggest lists	England	Tool Proposition/Extensions	Proposição de auto-suggest lists em áudio. Para tanto usa o modelo de interação de	Web 2.0		

				usuários videntes.			
1/26/2012	Authoring Tools	Canada	Survey	estado do arte sobre ferramentas de autoria de conteúdo web acessível	Rich Internet Applications have user interfaces that are more varied and more responsive to user actions than traditional, page-based, Web sites.		
16/01/2012	Automatic accessibility transcoding for flash content	Japan	Tool Proposition/Extensions	transcodificação de conteúdo flash para acessibilidade			
01/02/2012	Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	Poland	Tool Proposition/Extensions	proposição de uma ferramenta de avaliação de acessibilidade temporal, ou seja, que pode fazer avaliação diversas vezes no DOM modificado por client-side script			
22/11/2011	AxsJAX: a talking translation bot using google IM: bringing web-2.0 applications to life	U.S.A.	Tool Proposition/Extensions	Extensão do Google IM usando AxsJAX	Web 2.0 applications		Enabling adaptive technologies like screen readers and self-voicing browsers work with such applications requires the following: Reflexion, Notification. The ability to detect relevant changes to portions of the user interface so that the user can be appropriately notified. ... a web application is more than the sum of the individual widgets used to construct the user interface. To work effectively with such applications, users need to be notified about relevant page updates, and this involves identifying and automatically speaking portions of the web page. This form of timely and appropriate notification is enabled via live regions in ARIA. ... we need to proactively notify the use in the following instances: incoming chat invitations, arrival of new messages in an ongoing chat session, subscription requests from friends wishing to subscribe to the user's presence. Notice that each of the above instances, one needs to determine the priority of the incoming notification relative to any other ongoing speech activity. Where appropriate, pending notifications may need to be queued for delivery after any on-going spoken output has completed.
14/02/2012	Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	U.S.A.	Tool Evaluation	estudo de caso da ferramenta METS Navigator para navegação em objetos multi-part	web 2.0 applications		
14/02/2012	Building a Usable and Accessible Semantic Web Interaction Platform	Spain	Tool Proposition/Extensions	proposição da plataforma Rhizomer para interação com objetos heterogêneos da Web 2.0, usando o paradigma objeto-ação.	web applications		
14/02/2012	Building Communication With Access for All	U.S.A.	Survey	uma visão geral dos desafios e conceitos importantes para acessibilidade na web	complex DHTML		
14/02/2012	Collaborative Editing for All: The Google Docs Example	Italy, Spain	RecGuidPat Evaluation, Tool Evaluation	avaliação de acessibilidade do Google Docs (editor de texto) e proposição guidelines com base nos resultados		groupware	Unfortunately, collaborative tools mostly use visual techniques to provide information (e.g., who is working simultaneously on the system, what parts are being modified, etc). Typical collaborative features of groupware environments include, collaboration, cooperation, coordination, communication, information, sharing, awareness, time and

							<p>space.</p> <hr/> <p>Considering the editor, the screen reader is not able to perceive who is working at the same time on the same document, as appears visually.</p> <hr/> <p>Looking at the "Revision History" interface, links of different revisions are accessible, but the text of each revision is not announced (also exploring via arrow keys).</p> <hr/> <p>Comments: Besides, a blind user cannot understand the difference between a comment and the text contained in the document, since the screen reader does not announce any difference, and it reads it in the same way.</p> <hr/> <p>Guidelines: Awareness perceivable - Information on other connected users should be provided through a suitable method in order to appropriately provide the information to the assistive technologies. Status and actions concerning others collaborators should be made accessible to the assistive technology. Information on who is online or offline, or what they are doing, should be available and easy to obtain at any time.</p>
15/02/2012	Combining SADie and AxsJAX to improve the accessibility of web content	England	Tool Proposition/Extensions	uso conjunto do framework SADie (anotações semânticas em CSS) e do AxsJAX (injeção de ARIA com base em regras baseadas em XPath)	online interactive applications, Web 2.0 websites		
15/02/2012	Conceptual Framework: How to Engineer Online Trust for Disabled Users	U.A.E., Italy	RecGuidPat Proposition/Extension	Diretrizes de segurança para melhorar a confiança de usuários em websites. Foco em pessoas com deficiência visual.			
10/11/2011	Developing Accessible Applications with User-Centred Architecture	Germany	RecGuidPat Proposition/Extension	Processo de desenvolvimento usando "user-centered architecture". No entanto, não referências aos usuários nesse texto.			
15/02/2012	Developing Semantic Rich Internet Applications Using a Model-Driven Approach	Spain	Tool Proposition/Extensions	Proposição de ferramenta para modelagem de Semantic RIAs, chamada Sm4RIA.			
18/10/2011	Development Framework for Pervasive Computing Applications	Czech Republic	Tool Proposition/Extensions	Proposição de framework para criação de RIAs acessíveis com thin client. Contexto de pervasive computing.	web applications		
01/02/2012	DHTML Accessibility Checking Based on Static JavaScript Analysis	Japan	Tool Proposition/Extensions	proposição de ferramenta de avaliação de acessibilidade baseada em estados do DHTML	DHTML application, dynamic Web applications		
01/03/2012	DHTML accessibility: solving the JavaScript accessibility problem	U.S.A.	RecGuidPat Proposition/Extension	abordagem para solucionar problemas de acessibilidade em JS por meio de roles e states e integração com API de acessibilidade. Parece ser um precursor do que veio a se tornar o ARIA.			
28/10/2011	Discussions on Accessibility in Industrial Automation Systems	Germany	RecGuidPat Proposition/Extension	Uso de UCD e Model-Driven Engineering para sistemas de automação industrial que utilizam tecnologias Web.			
23/02/2012	Dynamic Adaptation of Web 2.0 Applications by Combining Extended Device	Germany	Tool Proposition/Extensions	sistema adaptativo para aplicações web 2.0 baseado em arquitetura SOA, device	Web 2.0 applications RIA creates a		

	Profiles			profiles e TA	new breed of dynamic Web applications, also know as Web 2.0, that enables users to act as content providers, thus bringing and additional variable to the equation. Rich Internet Application are not more than Web applications emulating the functionality of traditional desktop application in a Web browser.		
23/02/2012	Education	Italy	Survey	survey sobre acessibilidade em sistemas de e-Learning			
23/02/2012	Enabling an accessible web 2.0	U.S.A.	Survey	survey de tecnologias e ferramentas para RIAs	Web 2.0 applications		
28/02/2012	Enhancing Wikipedia Editing with WAI-ARIA	Italy	Tool Evaluation	avaliação de protótipo do editor de textos da wikipedia modificado pela adição de marcação ARIA	Web 2.0 applications	collaborative tools, collaborative software, collaborative environment	
20/11/2011	Enriching web information scent for blind users	Spain, Italy	Tool Proposition/Extensions	marcação semântica adicional sobre links, indicando o nível de acessibilidade do destino.			
29/02/2012	Evaluating Groupware Accessibility	U.S.A.	Tool Evaluation	avaliação de groupware tanto para desktop como para web		web-based groupware applications	
23/11/2011	Experiments towards web 2.0 accessibility	England	Tool Proposition/Extensions	identificação de atualizações assíncronas em RIAs por meio da análise da comunicação em rede			
29/02/2012	Groupware Accessibility for Persons with Disabilities	U.S.A.	Survey	survey sobre acessibilidade em groupware		groupware	
01/03/2012	Guiding accessibility issues in the design of websites	Spain	Tool Proposition/Extensions	editor para conteúdo web acessível baseado em templates	web application		
02/03/2012	Improving the Accessibility of Fabasoft Folio by Means of WAI-ARIA	Austria	Tool Evaluation	avaliação da ferramenta Fabasoft Folio e nova implementação utilizando WAI-ARIA	web application that give the user the feeling of a desktop application		
02/03/2012	Intelligence on the Web and e-Inclusion	Italy	Survey	análise de possível convergência entre Web 2.0 e Web Semântica para favorecer e-Inclusion	Web 2.0 applications Web 2.0 applications are supported by a series of new generation web based technologies that		

					have existed since the early days of the web, but are now used in such a way to exploit user-generated content, resource sharing and interactivity in a more sophisticated and powerful way (see [11]), giving rise to the so called Rich Internet Applications (RIA).		
04/11/2011	Introducing Accessibility in Web Services Domain	Greece	RecGuidPat Proposition/Extension, Tool Proposition/Extension	Proposta de uma ferramenta de avaliação de acessibilidade e de diretrizes de acessibilidade para web services.			
05/03/2012	Invariant-Based Automatic Testing of Modern Web Applications	Canada, Austria	Tool Proposition/Extensions	o texto apresenta um conjunto de ferramenta para avaliação de Ajax web applications baseado em invariantes de estados e realiza estudos de caso para avaliá-lo.	web applications, Web 2.0 applications		
06/03/2012	Is Accessibility an Issue in the Knowledge Society? Modern Web Applications in the Light of Accessibility	Czech Republic	Survey	investiga as principais barreiras para acessibilidade na Web 2.0 e propõe uma solução relacionadas a imagens	web applications, Web 2.0 applications		
05/11/2011	Is Facebook Really "Open" to All?	Italy, U.A. E.	Tool Evaluation	avaliação de acessibilidade sobre o facebook com foco em pessoas com deficiência visual	Rich Internet Applications convey efficiently dynamic web content		
18/10/2011	Is Wikipedia Usable for the Blind?	Italy	Tool Evaluation	avaliação de usabilidade da wikipedia por pessoas com deficiência visual		collaborative environments	
06/03/2012	Making "Google Docs" User Interface More Accessible for Blind People	Italy, Spain	Tool Proposition/Extensions	extensão do Google Docs (editor de textos) para acessibilidade		Groupware systems	Awareness, one of the main properties of a groupware system, is also one of the accessibility principles: a user would be able to perceive by means of the screen reader when portions of UI reload and to know the associated event occurring (e.g. a new person joining the chat, a new message arriving on the board, a new user working on the document, and so on).
06/03/2012	Making Multimedia Internet Content Accessible and Usable	Japan	Tool Proposition/Extensions	proposição de navegador web multimídia (com foco em flash) acessível			
07/03/2012	Making Wikipedia editing easier for the blind	Italy	RecGuidPat Proposition/Extension	extensão da wikipedia pela adição de componentes acessíveis baseados no WAI-ARIA	Web 2.0-based applications		
08/03/2012	Model Refactoring in Web Applications	Argentina, Italy	RecGuidPat Proposition/Extension	proposição de web model refactorings aplicados nas camadas de navegação e	Web applications		

				apresentação			
25/11/2011	Modelling web navigation with the user in mind	Austria	Tool Proposition/Extensions	proposição de um framework para criação de leitores de tela			
01/12/2011	More than meets the eye: a survey of screen-reader browsing strategies	U.S.A.	Survey	survey de estratégias de navegação usando leitores de tela			
06/12/2011	On web accessibility evaluation environments	Portugal	Tool Proposition/Extensions	proposição de ferramenta de avaliação QualWeb, que faz avaliação usando WCAG 2.0 tanto em browser como em command line.			
15/03/2012	Overview of 1st AEGIS Pilot Phase Evaluation Results	Greece	Tool Evaluation	avaliação de 10 protótipos de ferramentas contruídas com foco em acessibilidade. Testes envolveram pessoas de diversos perfis e foram coletados tanto dados quantitativos quanto qualitativos			
15/03/2012	Patterns for usable accessible design	Canada, Germany	RecGuidPat Proposition/Extension	proposição de linguagem para design patterns usando a abordagem de usable accessibility e limitações funcionais			
15/03/2012	Providing RIA user interfaces with accessibility properties	Spain	Tool Proposition/Extensions	solução para modelagem de RIAs baseada em modelos	RIAs combine the benefits of the Web distribution architecture with the UI interactivity and multimedia support of desktop environments. ----- They [RIAs] support the single-page paradigm, where the UI is composed by elements that can be individually loaded, displayed and refreshed according to the UI requirements.		
15/03/2012	Senior Surfers 2.0: A Re-examination of the Older Web User and the Dynamic Web	U.S.A.	RecGuidPat Evaluation	avaliação da aplicabilidade de guidelines para senior surfers da web 1.0 na web 2.0			Today's seniors surfers often are unaware of which elements on a screen are interactive and miss dynamic changes to the screen.
16/03/2012	Social accessibility: achieving accessibility through collaborative metadata authoring	Japan	Tool Proposition/Extensions	proposição de uma abordagem para correção de problemas de acessibilidade baseada na colaboração entre pessoas			
19/03/2012	The uptake of Web 2.0 technologies, and its impact on visually disabled users	England	Survey	análise das tecnologias da Web 2.0 e seu impacto sobre pessoas com deficiência visual			
03/11/2011	Toward an Equal	Spain	Survey	uma survey sobre ferramentas e	Rich Internet		The user must be both aware of the update and able to access

	Opportunity Web: Applications, Standards, and Tools that Increase Accessibility			padrões para acessibilidade	Applications (RIAs) and supporting technology, such as JavaScript and Flash, embed components in the user agent or in the browser on the client side, providing more dynamic Web content and more attractive and interactive websites. Through asynchronous client-server communication, RIAs can offer an interactive experience closer to that of a desktop application.		the new content without disrupting the task in progress.
19/03/2012	Towards one world web with HearSay3	U.S.A.	Tool Proposition/Extensions	proposição do navegador textual HearSay3	interactive web applications		
17/11/2011	Towards the Universal Semantic Assessment of Accessibility	Portugal, Greece	Tool Proposition/Extensions	proposição de framework para avaliação de acessibilidade			
19/03/2012	Usability and Accessibility of eBay by Screen Reader	Italy, U.A.E.	Tool Evaluation	avaliação de usabilidade e acessibilidade do eBay e proposição de soluções pelo uso do WAI-ARIA			
19/03/2012	User Testing of Google Reader and RIA Complexity – A Warning	Ireland	Tool Evaluation	avaliação de acessibilidade do Google Reader	rich sophisticated Web Applications		
17/11/2011	Using web accessibility patterns for web application development	Germany	RecGuidPat Proposition/Extension	proposição de método integrado de patterns de acessibilidade na modelagem de sistemas			
21/10/2011	WAI-ARIA Live Regions and HTML 5	Netherlands	Tool Evaluation	avaliação da cobertura de tecnologias assistivas e agentes de usuário sobre o uso de WAI-ARIA e HTML5			Citation: "the ability to prioritize live region updates is an important feature allowing a developer to customize how important an update is". "Not all update are desirable to be announced such as the of removal of content"
24/11/2011	WAI-ARIA live regions: eBuddy IM as a case example	Netherlands, Canada	Tool Proposition/Extensions	Uso de marcação Live Regions e de tally queues para um ferramenta de comunicação síncrona na web	Rich Internet Applications (RIAs) offer new levels of user interactivity through a Web browser. By combining semantics, style and behavior it is possible to create a RIA that can rival a traditional		One of the most important aspects of making desktop applications accessible is to inform user of important events that occur on areas of the screen, even if those areas are not in focus. While exposing dynamic updates to an AT is important, it is equally important not to overwhelm the user with information, especially if that information is trivial. A challenge faced when marking up dynamic content is deciding what content is trivial and for non-trivial content how important it is.

					desktop application. Traditionally, AT have treated information on a web page as content that can be linearized. RIAs break this assumption; new content can appear in arbitrary locations and user interactions with the page are far more complex. Sinônimo: Web 2.0 Internet applications.		An active chat application for example, can easily overwhelm a user and in a participatory environment like a chat this can exclude a user from contributing to a discussion. The problem of many updates and not overwhelming a user has several parts: 1) grouping related updates together to not disorientate a user, 2) filtering updates to remove any trivial updates, and 3) determining when a update or group of updates should be announced. ... since changes caused by the user should be spoken immediately to let users know that their actions did have an effect; however, if the change was caused by world events, then the change should announced according to the appropriate politeness setting for that region.
20/11/2011	WCAG 2.0: a web accessibility standard for the evolving web	U.S.A.	RecGuidPat Proposition/Extension	apresentação do WCAG 2.0			
20/03/2012	Web 2.0	U.S.A.	Survey	o trabalho apresenta as principais características e dificuldades sobre a Web 2.0 em relação á acessibilidade	rich software applications		Sites which rely on online collaboration can provide the same difficulties – an over abundance of updates and action on the screen vying for the user’s attention.
20/03/2012	Web 2.0: blind to an accessible new world	U.S.A.	RecGuidPat Proposition/Extension	proposição de modelos de interação com leitores de tela, assim como um novo modelo para interação com web 2.0 applications	Dynamic Web 2.0 applications, Web 2.0 applications, rich web applications		
20/03/2012	Web toolkits accessibility study	Czech Republic	Tool Evaluation	avaliação de 3 toolkits para criação de web applications	web applications		
21/03/2012	Web-Based Support by Thin-Client Co-browsing	Germany	Tool Proposition/Extensions	proposição de ferramenta para co-browsing na web	web applications, rich we applications		Co-browsing is a extension of traditional web browsing which allows users to jointly view and interact with web pages and to transfer awareness of these activities. <hr/> Awareness is crucial element for any kind of collaboration. Because browsing the web is often a very fast-paced activity [18], awareness of other participant’s activities and focus of interest is essential for users to keep track of what is going on. <hr/> First of all, users have to be aware of the presence of others. CoCAB offers this kind of information by showing a user bar (Fig. 15.2a) at the edge of the screen. <hr/> Another important information is knowing what another person is doing at the moment. This awareness is created by a number of different elements in CoCAB. The telepointer shows where on a page a participant currently is. There is one telepointer per user and they can be distinguished by the person’s avatar floating next to it. Furthermore, an indicator at the telepointer shows whenever a user types text into a form field, even if his mouse has moved away. Finally, the user bar indicates whether someone has finished loading the current page or if a person is inactive and may have left the computer. A different visualization of a user’s position on a page can be

							provided by a radar view (Fig. 15.2b), which has the advantage of showing someone's position even if he is outside the own currently visible screen area.
19/03/2012	What's new?: making web page updates accessible	U.S.A.	Tool Proposition/Extensions	proposição da ferramenta HearSay-Dynamo para apresentação de atualizações dinâmicas	interactive web applications		
18/10/2011	Widget Identification and Modification for Web 2.0 Access Technologies (WIMWAT)	England	Tool Proposition/Extensions	processo para identificação e alteração de widgets de maneira que sejam acessíveis	RIAs encourage World Wide Web (Web) content to be extracted and remixed from different sources, so that presented content can be updated in small chunks, rather than reloading the entire Web page.		

Table 6. Studies overview, part 2 (target people and people involvement).

Title	Target population of the study: age groups	Target population of the study: specific disabilities	Target population of the study: proficiency on IT	Target population of the study' products: age groups	Target population of the study' products: specific disabilities	Target population of the study' products: proficiency on IT	Involved population: age groups	Involved population: specific disabilities	Involved population: proficiency on IT	Involved population: moment of the involvement	Involved population: type of involvement
A design pattern language for accessible web sites	No constraint	all the disabilities, elderly people interacting with obsolete hardware/software are	Non experts on IT	No constraint	Not considered	Experts on IT	No constraint	visual	Experts on IT	Evaluation	In the product
A UCD Approach towards the Design, Development and Assessment of Accessible Applications in a Large Scale European Integrated Project	No constraint	Not considered	Experts on IT, Non experts on IT	No constraint	Not considered	Experts on IT	No constraint	Not considered	Experts on IT, Non experts on IT	All the lifecycle	In the target of the study
A visual impaired simulator to achieve embedded accessibility designs	No constraint	visual	Non experts on IT	No constraint	Not considered	Experts on IT	No constraint	Not considered	Experts on IT	Evaluation	In the product
A web compliance engineering framework to support the development of accessible rich internet applications	The Typical Web 2.0 user	The Typical Web 2.0 user	The Typical Web 2.0 user							There is no involvement	
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	18-59,60+	Not considered	Experts on IT				18-59,60+	Not considered	Experts on IT	Not applicable	In the target of the study
Accessibility Evaluation for Multimedia Content	No constraint	visual	Non experts on IT							Not applicable	Not applicable
Accessibility for simple to moderate-complexity DHTML web sites	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
Accessibility in Rich Internet Applications	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT				Not applicable	Not applicable
Accessibility of emerging rich web technologies: web 2.0 and the semantic web	No constraint	Not considered	Non experts on IT							Not applicable	Not applicable
Accessing e-Learning Systems	No constraint	visual	Non experts on IT				No constraint	visual	Experts on IT	Evaluation	In the target of the study

via Screen Reader: An Example											
Accessing Google Docs via Screen Reader	No constraint	visual	Non experts on IT				No constraint	visual	Experts on IT	Evaluation	In the target of the study
Ajax live regions: chat as a case example	No constraint	visual	Non experts on IT	No constraint	visual	Non experts on IT	No constraint	Not considered	Experts on IT	Evaluation	In the target of the study
Ajax live regions: ReefChat using the fire vox screen reader as a case example	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT				There is no involvement	Not applicable
Ajax Security in Groupware	No constraint	Not considered	Experts on IT							Not applicable	Not applicable
An Accessible Platform for Conference Administration and Management	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT	There is no involvement	Not applicable
An Architecture for Multiple Web Accessibility Evaluation Environments	No constraint	Not considered	Experts on IT	No constraint	Not considered	Experts on IT	No constraint	Not considered	Experts on IT	Evaluation	In the product
Application of traditional software testing methodologies to web accessibility	No constraint	Not considered	Experts on IT				No constraint	Not considered	Experts on IT	All the lifecycle	In the target of the study
Assessing the accessibility of UI for all ages	60+	Ageing related	Non experts on IT	60+	Ageing related	Non experts on IT				Not applicable	In the target of the study
Audio presentation of auto-suggest lists	No constraint	visual	Non experts on IT	No constraint	visual	Non experts on IT	18-59	Not considered	Non experts on IT	There is no involvement	Not applicable
Authoring Tools	No constraint	Not considered	Experts on IT							Not applicable	Not applicable
Automatic accessibility transcoding for flash content	No constraint	visual	Non experts on IT	No constraint	visual	Non experts on IT	No constraint	Not considered	Experts on IT	Evaluation	In the target of the study
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	No constraint	Not considered	Experts on IT	No constraint	Not considered	Experts on IT	No constraint	Not considered	Experts on IT	Evaluation	In the product
AxsJAX: a talking translation bot using google IM: bringing web-2.0 applications to life	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT				There is no involvement	Not applicable
Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT	Evaluation	In the product
Building a Usable and Accessible	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT	Evaluation	In the product

Semantic Web Interaction Platform											
Building Communication With Access for All										Not applicable	Not applicable
Collaborative Editing for All: The Google Docs Example	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT	There is no involvement	In the product
Combining SADLe and AxsJAX to improve the accessibility of web content	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT	No constraint	Not considered	Experts on IT	Evaluation	In the product
Conceptual Framework: How to Engineer Online Trust for Disabled Users	No constraint	visual	Non experts on IT	No constraint	Not considered	Non experts on IT				Not applicable	Not applicable
Developing Accessible Applications with User-Centred Architecture	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
Developing Semantic Rich Internet Applications Using a Model-Driven Approach				No constraint	Not considered	Experts on IT				Not applicable	Not applicable
Development Framework for Pervasive Computing Applications	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
DHTML Accessibility Checking Based on Static JavaScript Analysis	No constraint	visual	Experts on IT	No constraint	Not considered	Experts on IT				Not applicable	Not applicable
DHTML accessibility: solving the JavaScript accessibility problem	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
Discussions on Accessibility in Industrial Automation Systems	No constraint	visual	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
Dynamic Adaptation of Web 2.0 Applications by Combining Extended Device Profiles	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT				There is no involvement	Not applicable
Education										Not applicable	Not applicable
Enabling an										Not applicable	Not applicable

accessible web 2.0											
Enhancing Wikipedia Editing with WAI-ARIA	No constraint	visual	Non experts on IT	No constraint	visual	Non experts on IT	18-75	visual	Non experts on IT	Evaluation	In the product
Enriching web information scent for blind users	No constraint	visual	Non experts on IT	No constraint	Not considered	Experts on IT	18-59	visual	Non experts on IT	Evaluation	In the target of the study
Evaluating Groupware Accessibility	No constraint	visual	Non experts on IT				No constraint	Not considered	Experts on IT	Evaluation	In the target of the study
Experiments towards web 2.0 accessibility	No constraint	Not considered	Experts on IT				No constraint	Not considered	Experts on IT	There is no involvement	Not applicable
Groupware Accessibility for Persons with Disabilities										Not applicable	Not applicable
Guiding accessibility issues in the design of websites	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT				There is no involvement	Not applicable
Improving the Accessibility of Fabasoft Folio by Means of WAI-ARIA	18+	Not considered	Non experts on IT	18+	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT	Evaluation	In the target of the study
Intelligence on the Web and e-Inclusion	No constraint	Not considered	Non experts on IT							Not applicable	Not applicable
Introducing Accessibility in Web Services Domain	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT				There is no involvement	Not applicable
Invariant-Based Automatic Testing of Modern Web Applications	18+	Not considered	Experts on IT	18+	Not considered	Experts on IT	18+	Not considered	Experts on IT	Evaluation	In the product
Is Accessibility an Issue in the Knowledge Society? Modern Web Applications in the Light of Accessibility	No constraint	Not considered	Non experts on IT	18+	Not considered	Experts on IT				There is no involvement	Not applicable
Is Facebook Really "Open" to All?	No constraint	visual	Non experts on IT				No constraint	visual	Experts on IT	Evaluation	In the target of the study
Is Wikipedia Usable for the Blind?	No constraint	visual	Non experts on IT				No constraint	visual	Experts on IT	Evaluation	In the target of the study
Making "Google Docs" User Interface More Accessible for Blind People	No constraint	visual	Non experts on IT	No constraint	visual	Non experts on IT	No constraint	visual	Experts on IT	Requirement analysis	In the product
Making Multimedia Internet Content Accessible and Usable	No constraint	visual	Non experts on IT	No constraint	visual	Non experts on IT				There is no involvement	Not applicable
Making Wikipedia	No constraint	visual	Non experts on	No constraint	visual	Non experts on	No constraint	visual	Experts on IT	Requirement	In the product

editing easier for the blind			IT			IT				analysis, Evaluation	
Model Refactoring in Web Applications				No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
Modelling web navigation with the user in mind	No constraint	visual	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
More than meets the eye: a survey of screen-reader browsing strategies	No constraint	visual	Non experts on IT				Not informed	Not informed	Not informed		
On web accessibility evaluation environments	No constraint	Not considered	Experts on IT	No constraint	Not considered	Experts on IT	No constraint	Not considered	Experts on IT	Evaluation	Not applicable
Overview of 1st AEGIS Pilot Phase Evaluation Results	No constraint	Not considered	All	Vary according to the prototype	Vary according to the prototype	Vary according to the prototype	Vary according to the prototype	Vary according to the prototype	Vary according to the prototype	Evaluation	In the product
Patterns for usable accessible design	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
Providing RIA user interfaces with accessibility properties				No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
Senior Surfers 2.0: A Re-examination of the Older Web User and the Dynamic Web	60+	Not considered	Non experts on IT				60+	Not considered	Non experts on IT	Evaluation	In the product
Social accessibility: achieving accessibility through collaborative metadata authoring	No constraint	visual	Non experts on IT, computing or interaction design professional	No constraint	visual	Non experts on IT, computing or interaction design professional	No constraint	visual	Non experts on IT, computing or interaction design professional	Evaluation	In the product
The uptake of Web 2.0 technologies, and its impact on visually disabled users	No constraint	visual	Non experts on IT				No constraint	visual	Non experts on IT	Evaluation	In the target of the study
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	No constraint	Not considered	Non experts on IT							Not applicable	Not applicable
Towards one world web with HearSay3	No constraint	visual	Non experts on IT	No constraint	visual	Non experts on IT				There is no involvement	Not applicable
Towards the Universal Semantic Assessment of Accessibility	No constraint	Not considered, people that interact with different devices	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
Usability and Accessibility of eBay by Screen Reader	No constraint	visual	Non experts on IT				No constraint	visual	Experts on IT	Evaluation	In the target of the study

User Testing of Google Reader and RIA Complexity – A Warning	No constraint	visual	Non experts on IT				No constraint	visual	Non experts on IT	Evaluation	In the target of the study
Using web accessibility patterns for web application development	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
WAI-ARIA Live Regions and HTML 5	No constraint	Not considered	Non experts on IT				No constraint	Not considered	Experts on IT	Evaluation	In the product
WAI-ARIA live regions: eBuddy IM as a case example	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Non experts on IT				There is no involvement	Not applicable
WCAG 2.0: a web accessibility standard for the evolving web	No constraint	Not considered	Non experts on IT							Not applicable	Not applicable
Web 2.0	No constraint	Not considered	Non experts on IT							Not applicable	Not applicable
Web 2.0: blind to an accessible new world	No constraint	visual	Non experts on IT				No constraint	visual	Non experts on IT	Requirement analysis	In the target of the study
Web toolkits accessibility study	No constraint	visual	Experts on IT				No constraint	Not considered	Experts on IT	Evaluation	In the target of the study
Web-Based Support by Thin-Client Co-browsing	No constraint	Not considered	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable
What's new?: making web page updates accessible	No constraint	visual	Non experts on IT	No constraint	visual	Non experts on IT	No constraint	visual	Non experts on IT	Evaluation	In the product
Widget Identification and Modification for Web 2.0 Access Technologies (WIMWAT)	No constraint	visual	Non experts on IT	No constraint	Not considered	Experts on IT				There is no involvement	Not applicable

Table 7. Studies overview, part 3 (authors' expectations for the review topic).

Title	Standards	Technologies for (collaborative) RIAs	Evaluation of (collaborative) RIAs	Development of accessible (collaborative) RIAs	Accessibility solution
A design pattern language for accessible web sites	Proposed pattern	Not informed	Not informed	All the developers	Not informed
A UCD Approach towards the Design, Development and Assessment of Accessible Applications in a Large Scale European Integrated Project	Not informed	Not informed	UCD	All the developers	Not informed
A visual impaired simulator to achieve embedded accessibility designs	Not informed	JavaFX	manual	All the developers	(collaborative) RIA authoring tool
A web compliance engineering framework to support the development of accessible rich internet applications	WCAG, WAI-ARIA	Not informed	Mixed	All the developers	(collaborative) RIA authoring tool
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	WCAG, WAI-ARIA	Not informed	Mixed	All the developers	Assistive technology, Authoring tool, Evaluation tool, and RIA/CRIA
Accessibility Evaluation for Multimedia Content	Not informed	Not informed	Not informed	All the developers	Not informed
Accessibility for simple to moderate-complexity DHTML web sites	WAI-ARIA	Javascript related/AJAX	Not informed	Not informed	User agent, Assistive technology
Accessibility in Rich Internet Applications	WAI-ARIA	Javascript related/AJAX	manual	All the developers	User agent, Assistive technology, RIA/CRIA
Accessibility of emerging rich web technologies: web 2.0 and the semantic web	WAI-ARIA, UAAG, ATAG, outros	Not informed	Not informed	All the developers	Not informed
Accessing e-Learning Systems via Screen Reader: An Example	WAI-ARIA	Javascript related/AJAX	Mixed	Not informed	Not informed
Accessing Google Docs via Screen Reader	WCAG, WAI-ARIA	Not informed	Not informed	Not informed	Not informed
Ajax live regions: chat as a case example	WAI-ARIA	Javascript related/AJAX	Not informed	Not informed	Authoring tool, Assistive technology, RIA/CRIA
Ajax live regions: ReefChat using the fire vox screen reader as a case example	WAI-ARIA	Javascript related/AJAX	Not informed	Not informed	RIA/CRIA
Ajax Security in Groupware	Not informed	Not informed	Not informed	Not informed	Not informed
An Accessible Platform for Conference Administration and Management	WCAG, WAI-ARIA	Javascript related/AJAX	Mixed	web designers, web accessibility experts, web developers, representative end users	Not informed
An Architecture for Multiple Web Accessibility Evaluation Environments	WCAG, WAI-ARIA	Javascript related/AJAX	Automatic	Not informed	RIA/CRIA
Application of traditional software testing methodologies to web accessibility	Not informed	Not informed	Mixed	Limited to experts	Not informed
Assessing the accessibility of UI for all ages	Not informed	Java	Not informed	Not informed	Not informed
Audio presentation of auto-suggest lists	WAI-ARIA, model of people interaction with dynamic updates	Not informed	Not informed	Not informed	Not informed
Authoring Tools	ATAG, WCAG, WAI-ARIA	Javascript related/AJAX	Not informed	Automatic by components	(collaborative) RIA authoring tool
Automatic accessibility transcoding for flash content	Not informed	Flash/Flex	Not informed	Limited to experts	Transcoding tool
Automatic Temporal Evaluation of	WCAG	Javascript related/AJAX	Mixed, temporal	Not informed	Not informed

the Accessibility of the World Wide Web and Its Standards Conformance					
AxsJAX: a talking translation bot using google IM: bringing web-2.0 applications to life	WAI-ARIA	Javascript related/AJAX	Not informed	Not informed	Not informed
Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	WAI-ARIA	Javascript related/AJAX	Not informed	Automatic by components	(collaborative) RIA authoring tool
Building a Usable and Accessible Semantic Web Interaction Platform	WAI-ARIA, WCAG	Javascript related/AJAX	Not informed	Not informed	Not informed
Building Communication With Access for All	WAI-ARIA, WCAG	Javascript related/AJAX	Not informed	Not informed	Not informed
Collaborative Editing for All: The Google Docs Example	WCAG, WAI-ARIA, Study's RecGuidPat	Not informed	Not informed	Not informed	Not informed
Combining SADle and AxsJAX to improve the accessibility of web content	WAI-ARIA	Javascript related/AJAX	Not informed	Client-side automatic conversion	Automatic transcoding
Conceptual Framework: How to Engineer Online Trust for Disabled Users	WCAG, Study's guidelines	Not informed	Not informed	Not informed	Not informed
Developing Accessible Applications with User-Centred Architecture	WAI-ARIA	Not informed	Not informed	Automatic by components	(collaborative) RIA authoring tool
Developing Semantic Rich Internet Applications Using a Model-Driven Approach	Not informed	Not informed	Not informed	Not informed	(collaborative) RIA authoring tool
Development Framework for Pervasive Computing Applications	Not informed	UIProtocol	Not informed	Not informed	(collaborative) RIA authoring tool
DHTML Accessibility Checking Based on Static JavaScript Analysis	Not informed	Javascript related/AJAX	Automatic	Not informed	Not informed
DHTML accessibility: solving the JavaScript accessibility problem	WAI-ARIA, WCAG	Javascript related/AJAX	Not informed	Not informed	Assistive technology, RIA/CRIA, User agent
Discussions on Accessibility in Industrial Automation Systems	WAI-ARIA	Java, XML, XHTML	Not informed	Not informed	Assistive technology, Authoring tool, Evaluation tool, RIA/CRIA
Dynamic Adaptation of Web 2.0 Applications by Combining Extended Device Profiles	WAI-ARIA	Not informed	Not informed	Not informed	Not informed
Education	WAI-ARIA, WCAG, IMS ACCLIP, ACCMD	Javascript related/AJAX	Not informed	Not informed	Not informed
Enabling an accessible web 2.0	WAI-ARIA	Javascript related/AJAX	Not informed	Not informed	Not informed
Enhancing Wikipedia Editing with WAI-ARIA	WAI-ARIA	Not informed	Mixed	Not informed	Not informed
Enriching web information scent for blind users	WCAG	Not informed	Automatic	Not informed	Not informed
Evaluating Groupware Accessibility	WAI-ARIA, WCAG	Not informed	Mixed	Not informed	Not informed
Experiments towards web 2.0 accessibility	WAI-ARIA	Javascript related/AJAX, XForms, IFrames	Not informed	Automatic by components	Network traffic analysis tool
Groupware Accessibility for Persons with Disabilities	WAI-ARIA, WCAG, Section508	Not informed	Not informed	Not informed	Not informed
Guiding accessibility issues in the design of websites	WCAG	Not informed	Not informed	Automatic by components	(collaborative) RIA authoring tool
Improving the Accessibility of Fabasoft Folio by Means of WAI-ARIA	WAI-ARIA	Javascript related/AJAX	Not informed	Not informed	RIA/CRIA, Authoring tool, Assistive technology
Intelligence on the Web and e-	WAI-ARIA	Not informed	Not informed	Not informed	Not informed

Inclusion					
Introducing Accessibility in Web Services Domain		Not informed	Mixed	Not informed	Not informed
Invariant-Based Automatic Testing of Modern Web Applications	Not informed	Javascript related/AJAX	Automatic	Not informed	Not informed
Is Accessibility an Issue in the Knowledge Society? Modern Web Applications in the Light of Accessibility	WAI-ARIA, ATAG, WCAG	Javascript related/AJAX	Not informed	All the developers	Everyone including end-users
Is Facebook Really "Open" to All?	WAI-ARIA	Not informed	manual	Not informed	Not informed
Is Wikipedia Usable for the Blind?	WAI-ARIA	Not informed	manual	Not informed	RIA/CRIA
Making "Google Docs" User Interface More Accessible for Blind People	WAI-ARIA, WCAG	Javascript related/AJAX	Not informed	Not informed	Not informed
Making Multimedia Internet Content Accessible and Usable	Outros (external metadata)	Not informed	Not informed	Not informed	User agent, metadata external
Making Wikipedia editing easier for the blind	WAI-ARIA	Javascript related/AJAX	With user involvement	Not informed	Authoring tool, Assistive technology, RIA/CRIA
Model Refactoring in Web Applications	Not informed	Not informed	Not informed	Not informed	Not informed
Modeling web navigation with the user in mind	ABBA framework	Not informed	Not informed	Not informed	Assistive technology
More than meets the eye: a survey of screen-reader browsing strategies	Not informed	Not informed	Not informed	All the developers	Assistive technology
On web accessibility evaluation environments	WCAG	Javascript related/AJAX	Automatic (based on content rendered by the user agent)	Not informed	Assistive technology, Authoring tool, Evaluation tool, RIA/CRIA
Overview of 1st AEGIS Pilot Phase Evaluation Results	Not informed	Not informed	Manual with user involvement	Not informed	Not informed
Patterns for usable accessible design	Not informed	Not informed	Not informed	Not informed	Not informed
Providing RIA user interfaces with accessibility properties	WAI-ARIA, WCAG	Multiple technologies (loose coupling)	Automatic	Not informed	RIA/CRIA, Assistive technology, Evaluation tool, User agent
Senior Surfers 2.0: A Re-examination of the Older Web User and the Dynamic Web	Not informed	Not informed	Not informed	Not informed	Not informed
Social accessibility: achieving accessibility through collaborative metadata authoring	Not informed	Not informed	Mixed	By all the community	External metadata
The uptake of Web 2.0 technologies, and its impact on visually disabled users	WAI-ARIA	Javascript related/AJAX	Not informed	Not informed	Assistive technology, User agent, RIA/CRIA
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	Not informed	Not informed	Automatic	Automatic by components	Assistive technology, Evaluation tool, User agent, RIA/CRIA
Towards one world web with HearSay3	WAI-ARIA	Not informed	With user involvement	Not informed	Assistive technology
Towards the Universal Semantic Assessment of Accessibility	WCAG	Not informed	Mixed	Not informed	Not informed
Usability and Accessibility of eBay by Screen Reader	WAI-ARIA	Not informed	With user involvement	Not informed	Not informed
User Testing of Google Reader and RIA Complexity – A Warning	Not informed	Not informed	With user involvement	Not informed	Not informed
Using web accessibility patterns for web application development	Patterns	Not informed	Not informed	Limited to experts	(collaborative) RIA authoring tool
WAI-ARIA Live Regions and HTML 5	WAI-ARIA, HTML5	Javascript related/AJAX	Not informed	Not informed	Assistive technology, Evaluation tool, User agent, RIA/CRIA
WAI-ARIA live regions: eBuddy	WAI-ARIA, HTML5	Javascript related/AJAX	Not informed	Not informed	Assistive technology, Evaluation

IM as a case example					tool, User agent, RIA/CRIA
WCAG 2.0: a web accessibility standard for the evolving web	WCAG	Transversal to the technologies	Not informed	Not informed	Assistive technology, Evaluation tool, User agent, RIA/CRIA
Web 2.0	WAI-ARIA, WCAG	Not informed	Not informed	Not informed	Assistive technology, Evaluation tool, User agent, RIA/CRIA
Web 2.0: blind to an accessible new world	WAI-ARIA	Javascript related/AJAX	Not informed	Not informed	Assistive technology, Evaluation tool, User agent, RIA/CRIA
Web toolkits accessibility study	WAI-ARIA	Javascript related/AJAX	Not informed	Automatic by components	(collaborative) RIA authoring tool
Web-Based Support by Thin-Client Co-browsing	Not informed	Javascript related/AJAX	Not informed	Not informed	Not informed
What's new?: making web page updates accessible	Not informed	Javascript related/AJAX, Flash	Not informed	Not informed	Assistive technology
Widget Identification and Modification for Web 2.0 Access Technologies (WIMWAT)	WAI-ARIA	WIMWAT	Not informed	Not informed	Assistive technology, Evaluation tool, RIA/CRIA

Table 8. Recommendations, Guidelines, and Patterns.

ID	Title of the RecGuidPat	Version	Reference/Source of the RecGuidPat	Purpose of the RecGuidPat	Specific disability
1	ARDA - Accessibility Requirements in Design Approaches			Set of methods: 1) for the development process and 2) for the run-time behavior of the UI	All
2	ATAG	1.0	http://www.w3.org/TR/2000/REC-ATAG10-20000203	Recommendation, authoring tools	All
3	ATAG	2.0	http://www.w3.org/TR/ATAG20/	Recommendation, authoring tools	All
4	Best practices for accessible Flash design		www.adobe.com/resources/accessibility/best_practices/best_practices_acc_flash.pdf	Recommendations for accessibility in Flash	All
5	CII62		www.ibm.com/able	checklist, gather Section508, WCAG 1 e 2	All
6	Common Look and Feel Standards for the Internet		Treasure Board of Canada	Recommendation, websites	All
7	Design pattern language for accessible RIAs		http://www.ing.unibs.it/~fogli/patterns4accessibility/v0/EN/index.html	Accessibility guidelines	All
8	Design pattern language for accessible web sites		Fogli, D., Parasiliti, L., Bernareggi, C. 2010. A Design Pattern Language for Accessible Web. Sites.	Design pattern language	All
9	Disability Act 2005		Oireachtas (Ireland)	Recommendation, websites	All
10	Dynamic Accessible Web Contents Roadmap		www.w3.org/WAI/PF/roadmap/	Recommendations, dynamic applications	All
11	Empirically-based Web design guidelines for older users			Guidelines for RIAs	All
12	End-user categories (context of the project AEGIS - Europa)			User classification	All
13	Extensible Application Markup Language (XAML)		http://msdn.microsoft.com/en-us/library/ms752059.aspx	Markup language	Not informed
14	Fundamental Techniques for Flash Accessibility			Good practices for accessibility in Flash	visual
15	General Guidelines on security features to improve user trust in websites			Recommendation, trust	visual
16	Good practices for the development of RIAs			Good practices for the development of RIAs	All
17	Guideline Definition Language (GDL)		Beirekdar, Keita, Noirhomme, Randolet, Vanderdonckt, Mariage. 2005. Flexible reporting for automated usability and accessibility evaluation of web sites.	Guidelines definition language	Not informed
18	Guidelines for the development of collaborative editing environments			Recommendation, collaborative editors	Not informed
19	Harmonized Methodology (HAM)		Eleni, Bekiaris, Lopes, Grammati-Eirini, Carriço. 2010. Harmonisation of Accessibility Components in the Context of "ACCESSIBLE" Project.	Identifies accessibility issues in the fields of web and mobile applications, and web services and links them with each other	All
20	Heuristic evaluation methodology for shared workspace groupware		Baker, Greenberg. 2002. Empirical development of a heuristic evaluation methodology for shared workspace groupware	Usability heuristics for groupware	Not informed
21	Heuristics for usable accessibility		http://www-03.ibm.com/able/news/accessorusable.html	Heuristics for usable accessibility	All
22	HTML5		dev.w3.org/html5/spec	Web standard, markup language	All
23	Heuristics for Accessibility Evaluation for Commerce Context		Paddison, C., Englefield, P. 2003. Applying Heuristics to Perform a Rigorous Accessibility Inspection in a Commercial Context.	Heuristics	All
24	Human-Usable Textual Notation - HUTN		www.omg.org/technology/documents/formal/hutn.htm	UML diagrams presentation as short texts	Not informed
25	IFrame		www.w3.org/TR/html401	Markup language	Not informed
26	IMS AccessForAll Meta-data (ACCMD)		www.imsglobal.org/specificationdownload.cfm	Metadata for describing e defining alternatives for LOs	All
27	IMS Accessibility Learner Profile (IMS ACCLIP)		www.imsglobal.org/specificationdownload.cfm	Accessibility for user profiles	All
28	IMS Guidelines for Developing Accessible Learning Applications		www.imsglobal.org/accessibility/	Recommendation, Learning applications	All
29	International Classification of		www.who.int/classifications/icf	International disabilities classification	All

	Functioning, Disability and Health (ICF)				
30	ISO/TS 16071:2003			General practices on providing accessible software applications	Not informed
31	mobileOK Basic Tests 1.0		Owen, Rabin. W3C MobileOK Basic Tests 1.0.	Recommendation, best practices for mobile applications	Not informed
32	Multimedia Extensible Markup Language (MXML)		http://opensource.adobe.com/wiki/display/flexsdk/MXML+2009	Markup language	Not informed
33	ontoRUX			Extension for the WAI-ARIA ontology	All
34	Requirements for more accessible Web 2.0 applications			Recommendations, dynamic applications	visual
35	Roles for Accessible Rich Internet Applications		www.w3.org/TR/aria-role/	Recommendations, dynamic applications	All
36	Section 255		http://www.fcc.gov/guides/disabled-persons-telecommunications-access-section-255	Accessibility guidelines	All
37	Section 508 of the Rehabilitation Action		www.section508.gov	Recommendation, websites	All
38	Semantic Web Rule Language - SWRL		http://www.w3.org/Submission/SWRL/	Norms specification	Not applicable
39	SMIL		http://www.w3.org/TR/smil/	Multimedia	All
40	Software Usability Measurement Inventory (SUMI)			Usability guidelines	Not informed
41	Special Education Needs and Disabilities Act. SENDA		www.hmso.gov.uk/acts/acts2001/20010010.htm		All
42	Speech Recognition Grammar Specification		http://www.w3.org/TR/speech-grammar/	Recommendation, syntax grammar used in speech recognition	Not informed
43	Speech Synthesis Markup Language (SSML)		http://www.w3.org/TR/speech-synthesis/	Recommendation, markup language for user agents based on voice	Not informed
44	Standards and specifications that provide a common language for expressing accessibility preferences and needs that apply to users with and without disabilities		Jackl, Treviranus, Roberts 2004 IMS Access for All Metadata Overview; Norton, Treviranus, 2003 IMS Learner information package accessibility for LIP best practice and implementation guide.	Standards and specifications that provide a common language for expressing accessibility preferences and needs that apply to users with and without disabilities	All
45	States and Properties Module for Accessible Rich Internet Applications		www.w3.org/TR/aria-state/	Recommendations, dynamic applications	All
46	Suggestions for accessibility and usability for the design of Wikis			Suggestions	visual
47	Techniques for audio, haptic and visual interfaces			Recommendations, devices: accelerometers, gestures, multi-touch, voice input and output	All
48	Techniques for Creating Accessible DHTML User Interfaces			Good practices for accessible DHTML	All
49	The design of sites (catalog of patterns)		Van Duyne, Landay, Hong. The design of sites. Addison-Weskey 2003.	Web patterns	Not informed
50	The National Federation of the Blind's guidelines for web application developers		www.nfb.org/nfb/default.asp?SnID=627174770		visual
51	Towards an accessible information society		eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:52008DC0804:EN:NOT	Recommendation, websites	All
52	Translation of the International Classification of Functioning, Disability and Health (ICF) to relevant functional constraints			Functional constraints based on visual disabilities	visual
53	UAAG	1.0	www.w3.org/TR/2002/REC-UAAG10-20021217	Recommendation, user agents	All
54	UAAG	2.0	http://www.w3.org/TR/UAAG20/	Recommendation, user agents	All
55	Universal Design principles		www.design.ncsu.edu/cud/about_ud/about_ud.htm	Design principles	All
56	Usability Guidelines for Blind Users		Leporini, Paternò. 2008. Applying Web Usability Criteria for Vision-Impaired Users: does it really improve task performance?	Usability guidelines	visual
57	Usable accessible design patterns			design patterns for usable accessibility	All

58	User Interface Design Language (UIDL)		http://dx.doi.org/10.1007/3-540-45522-1_1	markup language, UI	Not informed
59	User Interface Extensible Markup Language (UsiXML)		www.usixml.org	markup language, UI	Not informed
60	User Interface Markup Language (UIML)		www.uiml.org	markup language, UI	Not informed
61	User Workflow Design Model for Improving Web 2.0 Accessibility		http://www2009.org/proceedings/pdf/p821.pdf	Recommendation, websites	visual
62	Userware Markup Language (useML)		http://www.uni-kl.de/pak/useML/	markup language, UI	Not informed
63	Voice Extensible Markup Language (VoiceXML)		http://www.w3.org/TR/voicexml20/	Recommendation, Audio based dialogs	Not informed
64	W3C HTML5 API Map site		dev.w3.org/html5/html-api-map/overview.html	A user agent developer's guide to understanding and implementing accessibility support in HTML	All
65	W3C internationalization and localization guidelines (i18n)		www.w3.org/International/publications	Guidelines	Not informed
66	WAI-ARIA		www.w3c.org/TR/wai-aria	Recommendation, dynamic applications	All
67	WCAG	1.0	www.w3c.org/TR/wcag10	Recommendation, websites	All
68	WCAG	2.0	www.w3c.org/TR/wcag20	Recommendation, websites	All
69	Web Accessibility Patterns			Patterns, websites authoring	All
70	Web Authoring for Accessibility ontology (WafA)			Ontology?	Not informed
71	Web design patterns		www.welie.com/patterns/	Web patterns	Not informed
72	Web model refactorings (navigation and presentation)			Patterns for transformations on navigation and presentation models	Not informed
73	Web patterns		webpatterns.org	Web patterns	Not informed
74	Web Service Accessibility Classes and Guidelines			Recommendations, web services	All
75	Web Site Design Method (WSDM)		http://dx.doi.org/10.1016/S0169-7552(98)00042-7	?	Not informed
76	XForms		www.w3.org/TR/xforms	Markup language	Not informed
77	XHTML+Voice (X+V)		http://www.w3.org/TR/xhtml+voice	W3C document (status Note) multimodal interaction	Not informed
78	XML Accessibility Guidelines		www.w3.org/TR/2002/WD-xag-20021003	Recommendation, accessible xml	Not informed
79	Yahoo! Pattern Library		developer.yahoo.com/ypatterns/index.php	Patterns for web design	All

Table 9. Occurrences of Recommendations, Guidelines and Patterns in the reviewed studies.

Title (study)	RecGuidPat ID	Availability	Role in the study
A design pattern language for accessible web sites	7	only a summary in the study	proposed
A design pattern language for accessible web sites	37	External reference	basis
A design pattern language for accessible web sites	66	External reference	basis
A design pattern language for accessible web sites	68	External reference	basis
A UCD Approach towards the Design, Development and Assessment of Accessible Applications in a Large Scale European Integrated Project	12	Complete in the study	proposed
A visual impaired simulator to achieve embedded accessibility designs	29	External reference	modified
A visual impaired simulator to achieve embedded accessibility designs	52	only a summary in the study	proposed
A web compliance engineering framework to support the development of accessible rich internet applications	31	External reference	basis
A web compliance engineering framework to support the development of accessible rich internet applications	66	External reference	basis
A web compliance engineering framework to support the development of accessible rich internet applications	67	External reference	basis
A web compliance engineering framework to support the development of accessible rich internet applications	68	External reference	basis
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	5	External reference	basis
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	37	External reference	basis
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	66	External reference	basis
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	67	External reference	basis
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	68	External reference	basis
Accessibility Evaluation for Multimedia Content	4	External reference	basis
Accessibility Evaluation for Multimedia Content	14	Complete in the study	proposed
Accessibility for simple to moderate-complexity DHTML web sites	48	Complete in the study	proposed
Accessibility for simple to moderate-complexity DHTML web sites	66	External reference	basis
Accessibility for simple to moderate-complexity DHTML web sites	67	External reference	basis
Accessibility in Rich Internet Applications	16	Complete in the study	proposed
Accessibility in Rich Internet Applications	66	External reference	basis
Accessibility of emerging rich web technologies: web 2.0 and the semantic web	2	External reference	basis
Accessibility of emerging rich web technologies: web 2.0 and the semantic web	53	External reference	basis
Accessibility of emerging rich web technologies: web 2.0 and the semantic web	66	External reference	basis
Accessibility of emerging rich web technologies: web 2.0 and the semantic web	78	External reference	basis
Accessing e-Learning Systems via Screen Reader: An Example	40	External reference	basis
Accessing e-Learning Systems via Screen Reader: An Example	66	External reference	post hoc explanation
Accessing e-Learning Systems via Screen Reader: An Example	68	External reference	post hoc explanation
Accessing Google Docs via Screen Reader	66	External reference	post hoc explanation
Accessing Google Docs via Screen Reader	68	External reference	basis
Ajax live regions: chat as a case example	37	External reference	basis
Ajax live regions: chat as a case example	66	External reference	tested
Ajax live regions: chat as a case example	68	External reference	basis
Ajax live regions: ReefChat using the fire vox screen reader as a case example	66	External reference	design
An Accessible Platform for Conference Administration and Management	66	External reference	post hoc explanation
An Accessible Platform for Conference Administration and Management	67	External reference	design

An Architecture for Multiple Web Accessibility Evaluation Environments	66	External reference	modified
An Architecture for Multiple Web Accessibility Evaluation Environments	67	External reference	basis
An Architecture for Multiple Web Accessibility Evaluation Environments	68	External reference	design
Assessing the accessibility of UI for all ages	47	Complete in the study	proposed
Assessing the accessibility of UI for all ages	47	Complete in the study	proposed
Assessing the accessibility of UI for all ages	47	Complete in the study	proposed
Assessing the accessibility of UI for all ages	47	Complete in the study	proposed
Assessing the accessibility of UI for all ages	47	Complete in the study	proposed
Assessing the accessibility of UI for all ages	19	External reference	basis
Audio presentation of auto-suggest lists	66	External reference	modified
Authoring Tools	2	External reference	design
Authoring Tools	3	External reference	design
Authoring Tools	44	External reference	design
Authoring Tools	66	External reference	modified
Authoring Tools	67	External reference	basis
Automatic accessibility transcoding for flash content	37	External reference	basis
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	6	External reference	basis
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	9	External reference	basis
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	37	External reference	basis
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	66	External reference	basis
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	67	External reference	basis
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	68	External reference	basis
AxsJAX: a talking translation bot using google IM: bringing web-2.0 applications to life	66	External reference	design
Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	66	External reference	citation
Building a Usable and Accessible Semantic Web Interaction Platform	66	External reference	citation
Building a Usable and Accessible Semantic Web Interaction Platform	67	External reference	post hoc explanation
Building a Usable and Accessible Semantic Web Interaction Platform	68	External reference	citation
Building Communication With Access for All	37	External reference	citation
Building Communication With Access for All	66	External reference	citation
Building Communication With Access for All	67	External reference	citation
Building Communication With Access for All	68	External reference	citation
Collaborative Editing for All: The Google Docs Example	18	Complete in the study	proposed
Collaborative Editing for All: The Google Docs Example	66	External reference	citation
Collaborative Editing for All: The Google Docs Example	68	External reference	basis
Combining SADIE and AxsJAX to improve the accessibility of web content	66	External reference	basis
Combining SADIE and AxsJAX to improve the accessibility of web content	67	External reference	citation
Combining SADIE and AxsJAX to improve the accessibility of web content	68	External reference	citation
Conceptual Framework: How to Engineer Online Trust for Disabled Users	15		proposed
Conceptual Framework: How to Engineer Online Trust for Disabled Users	37	External reference	citation
Conceptual Framework: How to Engineer Online Trust for Disabled Users	51	External reference	citation
Conceptual Framework: How to Engineer Online Trust for Disabled Users	66	External reference	citation

Conceptual Framework: How to Engineer Online Trust for Disabled Users	68	External reference	citation
Developing Accessible Applications with User-Centred Architecture	58	External reference	basis
Developing Accessible Applications with User-Centred Architecture	59	External reference	basis
Developing Accessible Applications with User-Centred Architecture	60	External reference	basis
Developing Accessible Applications with User-Centred Architecture	62	External reference	basis
Developing Accessible Applications with User-Centred Architecture	66	External reference	basis
Developing Accessible Applications with User-Centred Architecture	68	External reference	basis
Developing Accessible Applications with User-Centred Architecture	70	Not available	basis
Developing Accessible Applications with User-Centred Architecture	75	External reference	basis
Developing Accessible Applications with User-Centred Architecture	77	External reference	basis
Developing Semantic Rich Internet Applications Using a Model-Driven Approach	66	External reference	citation
DHTML Accessibility Checking Based on Static JavaScript Analysis	10	External reference	basis
DHTML Accessibility Checking Based on Static JavaScript Analysis	17	External reference	citation
DHTML Accessibility Checking Based on Static JavaScript Analysis	35	External reference	basis
DHTML Accessibility Checking Based on Static JavaScript Analysis	45	External reference	basis
DHTML accessibility: solving the JavaScript accessibility problem	68	External reference	citation
Discussions on Accessibility in Industrial Automation Systems	1	Complete in the study	proposed
Discussions on Accessibility in Industrial Automation Systems	42	External reference	basis
Discussions on Accessibility in Industrial Automation Systems	43	External reference	basis
Discussions on Accessibility in Industrial Automation Systems	63	External reference	basis
Discussions on Accessibility in Industrial Automation Systems	66	External reference	basis
Discussions on Accessibility in Industrial Automation Systems	68	External reference	basis
Discussions on Accessibility in Industrial Automation Systems	77	External reference	basis
Dynamic Adaptation of Web 2.0 Applications by Combining Extended Device Profiles	66	External reference	basis
Education	26	External reference	citation
Education	27	External reference	citation
Education	28	External reference	citation
Education	66	External reference	post hoc explanation
Education	67	External reference	design
Enabling an accessible web 2.0	4	External reference	citation
Enabling an accessible web 2.0	37	External reference	citation
Enabling an accessible web 2.0	66	External reference	citation
Enabling an accessible web 2.0	67	External reference	citation
Enhancing Wikipedia Editing with WAI-ARIA	66	External reference	design
Enhancing Wikipedia Editing with WAI-ARIA	68	External reference	citation
Enriching web information scent for blind users	56	External reference	basis
Enriching web information scent for blind users	66	External reference	basis
Enriching web information scent for blind users	67	External reference	basis
Enriching web information scent for blind users	68	External reference	basis
Evaluating Groupware Accessibility	37	External reference	citation
Evaluating Groupware Accessibility	66	External reference	tested

Evaluating Groupware Accessibility	67	External reference	tested
Evaluating Groupware Accessibility	68	External reference	tested
Experiments towards web 2.0 accessibility	25	External reference	basis
Experiments towards web 2.0 accessibility	66	External reference	basis
Experiments towards web 2.0 accessibility	76	External reference	basis
Groupware Accessibility for Persons with Disabilities	37	External reference	post hoc explanation
Groupware Accessibility for Persons with Disabilities	41	External reference	citation
Groupware Accessibility for Persons with Disabilities	50	External reference	citation
Groupware Accessibility for Persons with Disabilities	66	External reference	post hoc explanation
Groupware Accessibility for Persons with Disabilities	67	External reference	citation
Groupware Accessibility for Persons with Disabilities	68	External reference	post hoc explanation
Guiding accessibility issues in the design of websites	3	External reference	basis
Guiding accessibility issues in the design of websites	39	External reference	citation
Guiding accessibility issues in the design of websites	54	External reference	citation
Guiding accessibility issues in the design of websites	66	External reference	citation
Guiding accessibility issues in the design of websites	68	External reference	basis
Improving the Accessibility of Fabasoft Folio by Means of WAI-ARIA	66	External reference	citation
Intelligence on the Web and e-Inclusion	66	External reference	citation
Introducing Accessibility in Web Services Domain	66	External reference	basis
Introducing Accessibility in Web Services Domain	68	External reference	basis
Introducing Accessibility in Web Services Domain	74	only a summary in the study	proposed
Invariant-Based Automatic Testing of Modern Web Applications	65	External reference	citation
Invariant-Based Automatic Testing of Modern Web Applications	66	External reference	citation
Invariant-Based Automatic Testing of Modern Web Applications	67	External reference	citation
Is Accessibility an Issue in the Knowledge Society? Modern Web Applications in the Light of Accessibility	3	External reference	citation
Is Accessibility an Issue in the Knowledge Society? Modern Web Applications in the Light of Accessibility	66	External reference	citation
Is Accessibility an Issue in the Knowledge Society? Modern Web Applications in the Light of Accessibility	68	External reference	citation
Is Facebook Really "Open" to All?	61	External reference	basis
Is Facebook Really "Open" to All?	66	External reference	basis
Is Wikipedia Usable for the Blind?	46	Complete in the study	proposed
Is Wikipedia Usable for the Blind?	66	External reference	post hoc explanation
Making "Google Docs" User Interface More Accessible for Blind People	20	External reference	citation
Making "Google Docs" User Interface More Accessible for Blind People	66	External reference	design
Making "Google Docs" User Interface More Accessible for Blind People	68	External reference	design
Making Multimedia Internet Content Accessible and Usable	53	External reference	design
Making Multimedia Internet Content Accessible and Usable	66	External reference	post hoc explanation
Making Wikipedia editing easier for the blind	66	External reference	design
Model Refactoring in Web Applications	49	External reference	basis
Model Refactoring in Web Applications	71	External reference	basis
Model Refactoring in Web Applications	72	only a summary in the study	proposed
Model Refactoring in Web Applications	73	External reference	basis

Modelling web navigation with the user in mind	68	External reference	basis
More than meets the eye: a survey of screen-reader browsing strategies	3	External reference	basis
More than meets the eye: a survey of screen-reader browsing strategies	22	External reference	basis
More than meets the eye: a survey of screen-reader browsing strategies	54	External reference	basis
More than meets the eye: a survey of screen-reader browsing strategies	66	External reference	basis
More than meets the eye: a survey of screen-reader browsing strategies	67	External reference	basis
On web accessibility evaluation environments	54	External reference	basis
On web accessibility evaluation environments	66	External reference	basis
On web accessibility evaluation environments	68	External reference	basis
Patterns for usable accessible design	8	External reference	citation
Patterns for usable accessible design	23	External reference	citation
Patterns for usable accessible design	21	External reference	citation
Patterns for usable accessible design	57	only a summary in the study	proposed
Patterns for usable accessible design	66	External reference	citation
Patterns for usable accessible design	68	External reference	citation
Providing RIA user interfaces with accessibility properties		External reference	citation
Providing RIA user interfaces with accessibility properties		External reference	citation
Providing RIA user interfaces with accessibility properties	33	only a summary in the study	proposed
Providing RIA user interfaces with accessibility properties	66	External reference	design
Providing RIA user interfaces with accessibility properties	68	External reference	design
Senior Surfers 2.0: A Re-examination of the Older Web User and the Dynamic Web	11	Complete in the study	tested
The uptake of Web 2.0 technologies, and its impact on visually disabled users	66	External reference	post hoc explanation
The uptake of Web 2.0 technologies, and its impact on visually disabled users	79	External reference	basis
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	13	External reference	basis
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	22	External reference	basis
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	32	External reference	basis
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	37	External reference	basis
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	37	External reference	basis
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	66	External reference	basis
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	67	External reference	basis
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	68	External reference	basis
Towards one world web with HearSay3	66	External reference	citation
Towards the Universal Semantic Assessment of Accessibility	30	External reference	basis
Towards the Universal Semantic Assessment of Accessibility	38	External reference	basis
Towards the Universal Semantic Assessment of Accessibility	53	External reference	basis
Towards the Universal Semantic Assessment of Accessibility	66	External reference	basis
Towards the Universal Semantic Assessment of Accessibility	68	External reference	basis
Usability and Accessibility of eBay by Screen Reader	66	External reference	post hoc explanation
User Testing of Google Reader and RIA Complexity – A Warning	55	External reference	citation
User Testing of Google Reader and RIA Complexity – A Warning	66	External reference	tested
User Testing of Google Reader and RIA Complexity – A Warning	68	External reference	citation

Using web accessibility patterns for web application development	3	External reference	basis
Using web accessibility patterns for web application development	24	External reference	basis
Using web accessibility patterns for web application development	54	External reference	basis
Using web accessibility patterns for web application development	66	External reference	basis
Using web accessibility patterns for web application development	68	External reference	basis
Using web accessibility patterns for web application development	69	External reference	proposed
Using web accessibility patterns for web application development		only a summary in the study	basis
WAI-ARIA Live Regions and HTML 5	22	External reference	basis
WAI-ARIA Live Regions and HTML 5	64	External reference	basis
WAI-ARIA Live Regions and HTML 5	66	External reference	basis
WAI-ARIA live regions: eBuddy IM as a case example	22	External reference	basis
WAI-ARIA live regions: eBuddy IM as a case example	66	External reference	basis
WAI-ARIA live regions: eBuddy IM as a case example	68	External reference	basis
WCAG 2.0: a web accessibility standard for the evolving web	36	External reference	basis
WCAG 2.0: a web accessibility standard for the evolving web	37	External reference	basis
WCAG 2.0: a web accessibility standard for the evolving web	39	External reference	basis
WCAG 2.0: a web accessibility standard for the evolving web	66	External reference	basis
WCAG 2.0: a web accessibility standard for the evolving web	67	External reference	basis
WCAG 2.0: a web accessibility standard for the evolving web	68	External reference	proposed
Web 2.0	66	External reference	citation
Web 2.0	67	External reference	citation
Web 2.0	68	External reference	citation
Web 2.0: blind to an accessible new world	34	Complete in the study	proposed
Web 2.0: blind to an accessible new world	66	External reference	basis
Web toolkits accessibility study	66	External reference	design
What's new?: making web page updates accessible	63	External reference	design
What's new?: making web page updates accessible	66	External reference	citation
What's new?: making web page updates accessible	68	External reference	citation
Widget Identification and Modification for Web 2.0 Access Technologies (WIMWAT)	66	External reference	basis

Table 10. Technologies.

ID	Tool name	Academic reference	Tool source	Distribution license	Specific license	Purpose	Is the tool accessible?
1	"RELAXED" the HTML validator		http://www.relaxed.cz/	free (website)		Evaluation	Not informed
2	A-Chat		http://achat.atrc.utoronto.ca	open source	GPL	RIA/CRIA	yes (only citation)
3	ABBA framework	Ruslan Fayzrakhmanov, Max G\&\#246;bel, Wolfgang Holzinger, Bernhard Kr\&\#252;pl, Andreas Mager, and Robert Baumgartner. 2010. Modelling web navigation with the user in mind. In Proceedings of the 2010 International Cross Disciplinary Conference on Web Accessibility (W4A) (W4A '10). ACM, New York, NY, USA, , Article 14 , 4 pages. DOI=10.1145/1805986.1806006 http://doi.acm.org/10.1145/1805986.1806006	http://www.dbai.tuwien.ac.at/proj/index.html	Not informed		Authoring of assistive technology	Not informed
4	Acc - an Accessibility	Mäntylä, J., "WWW-sivun saavutettavuuden automaattinen arviointi DOM-	http://appro.mit.jyu.fi/tools/acc/	open source	GPL	Evaluation	Not

	Evaluator	rajapintaa käyttäen” (“DOM-based automatic web accessibility evaluation”) [online], MSc thesis, Department of Mathematical Information Technology, University of Jyväskylä, 2006. Available from World Wide Web: < http://huba.kapsi.fi/jmantlyla/gradu/ >.				n	informed
5	Access Monkey	Jeffrey P. Bigham and Richard E. Ladner. 2007. Accessmonkey: a collaborative scripting framework for web users and developers. In Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A) (W4A '07). ACM, New York, NY, USA, 25-34. DOI=10.1145/1243441.1243452 http://doi.acm.org/10.1145/1243441.1243452	http://webinsight.cs.washington.edu/projects/accessmonkey/	Not informed		Assistive technology	yes (only citation)
6	AccessColor - Online Tool for Colour Contrast		http://accesskeys.org/tools/color-contrast.html	free (website)		Evaluation	yes (only citation)
7	Accessibility Checker for Blind users	Markel Vigo, Alfred Kobsa, Myriam Arrue, and Julio Abascal. 2007. User-tailored web accessibility evaluations. In Proceedings of the eighteenth conference on Hypertext and hypermedia (HT '07). ACM, New York, NY, USA, 95-104. DOI=10.1145/1286240.1286267 http://doi.acm.org/10.1145/1286240.1286267		Not informed		Evaluation	Not informed
8	Accessibility Colour Wheel		gmazzocato.altervista.org/colorwheel/wheel.php	free (website)		Simulation	Not informed
9	Accessibility Inclusive Toolkit - visual impairment simulator		http://www-edc.eng.cam.ac.uk/betterdesign/downloads/impairmentsims/index.html	free (website)		Simulation	Not informed
10	Accessibility Tools Framework (ACTF)		www.eclipse.org/projects/project_summary.php?projectid=technology.actf	open source	EPL	Authoring of Web applications	Not informed
11	Accessibility Valet		http://valet.webthing.com/access/url.html	free (website)		Evaluation	Not informed
12	Accessible Interface for SlideShare		icant.co.uk/easy-slideshare/about/index.html	open source	BSD	Assistive technology	yes (only citation)
13	Accessible Interface for YouTube		icant.co.uk/easy-youtube/	open source	BSD	Assistive technology	yes (only citation)
14	Accessible Platform for Conference Administration and Management	George Margetis, Stavroula Ntoa, Maria Bouhli, and Constantine Stephanidis. 2007. An accessible platform for conference administration and management. In Proceedings of the 4th international conference on Universal access in human-computer interaction: applications and services (UAHCI'07), Constantine Stephanidis (Ed.). Springer-Verlag, Berlin, Heidelberg, 941-950.		Not informed		RIA/CRIA	yes
15	AccRepair		http://www.hisoftware.com/solutions/hisoftware-compliance-sheriff/accrepair.aspx	Private		Evaluation	Not informed
16	AChecker - Web Accessibility Checker		achecker.ca/checker/index.php	free (website)		Evaluation	Not informed
17	aDesigner	Hironobu Takagi, Chieko Asakawa, Kentarou Fukuda, and Junji Maeda. 2003. Accessibility designer: visualizing usability for the blind. SIGACCESS Access. Comput. 77-78 (September 2003), 177-184. DOI=10.1145/1029014.1028662 http://doi.acm.org/10.1145/1029014.1028662	http://www.eclipse.org/actf/downloads/tools/aDesigner/index.php	open source	EPL	Simulation	yes
18	aDesigner Runtime	Hisashi Miyashita, Hironobu Takagi, Daisuke Sato, and Chieko Asakawa. 2007. Making multimedia internet content accessible and usable. In Proceedings of the 4th international conference on Universal access in human-computer interaction: applications and services (UAHCI'07), Constantine Stephanidis (Ed.). Springer-Verlag, Berlin, Heidelberg, 98-107.		Private		User agent	yes
19	Adobe Flash		http://www.adobe.com/products/flash.html (provável)			Authoring of Web applications	Not informed
20	Adobe Flash Professional		http://www.adobe.com/products/flash.html	Private		Authoring of Web applications	Not informed

21	Adobe Flex Builder		http://www.adobe.com/products/flex.html	open source	MPL	Authoring of Web applications	Not informed
22	AEGIS RIA Developer	Maria Gkemou and Evangelos Bekiaris. 2011. Overview of 1st AEGIS pilot phase evaluation results. In Proceedings of the 6th international conference on Universal access in human-computer interaction: design for all and eInclusion - Volume Part I (UAHCI'11), Constantine Stephanidis (Ed.), Vol. Part I. Springer-Verlag, Berlin, Heidelberg, 215-224.		open source		Authoring of Web content	Not informed
23	aiBrowser	Hisashi Miyashita, Daisuke Sato, Hironobu Takagi, and Chieko Asakawa. 2007. Aibrowser for multimedia: introducing multimedia content accessibility for visually impaired users. In Proceedings of the 9th international ACM SIGACCESS conference on Computers and accessibility (Assets '07). ACM, New York, NY, USA, 91-98. DOI=10.1145/1296843.1296860 http://doi.acm.org/10.1145/1296843.1296860	http://www.eclipse.org/actf/downloads/tools/aiBrowser/index.php	open source	EPL	User agent	yes
24	AMIS	Marisa DeMeglio, Markku T. Hakkinen, and Hiroshi Kawamura. 2002. Accessible Interface Design: Adaptive Multimedia Information System (AMIS). In Proceedings of the 8th International Conference on Computers Helping People with Special Needs (ICCHP '02), Klaus Miesenberger, Joachim Klaus, and Wolfgang L. Zagler (Eds.). Springer-Verlag, London, UK, UK, 406-412.	http://www.daisy.org/amis?q=project/amis	open source	GPL	User agent	yes
25	Apache MyFaces		http://myfaces.apache.org/	open source	Apache License	Authoring of Web applications	Not informed
26	Apollo	Shay Artzi, Adam Kiezun, Julian Dolby, Frank Tip, Danny Dig, Amit Paradkar, and Michael D. Ernst. 2008. Finding bugs in dynamic web applications. In Proceedings of the 2008 international symposium on Software testing and analysis (ISSTA '08). ACM, New York, NY, USA, 261-272. DOI=10.1145/1390630.1390662 http://doi.acm.org/10.1145/1390630.1390662		Not informed		Evaluation	Not informed
27	Apple Safari		http://www.apple.com/br/safari/download/	free		User agent	yes
28	Approximation Simulator for Accessible Applications	Theofanis Oikonomou, Konstantinos Votis, Dimitrios Tzovaras, Peter Korn, An Approximation Simulator for Designing and Developing Accessible Java Swing Applications, as presented at ETAPS 2010, May 2010		Not informed		Evaluation	Not informed
29	ARIA examples	Illinois Center for Information Technology and Web Accessibility (ICTA)	http://test.cita.uiuc.edu/aria/	open source		RIA/CRIA	yes
30	ARIA-based Wikipedia Editing Page	Caterina Senette, Maria Claudia Buzzi, Marina Buzzi, and Barbara Leporini. 2009. Enhancing Wikipedia Editing with WAI-ARIA. In Proceedings of the 5th Symposium of the Workgroup Human-Computer Interaction and Usability Engineering of the Austrian Computer Society on HCI and Usability for e-Inclusion (USAB '09), Andreas Holzinger and Klaus Miesenberger (Eds.). Springer-Verlag, Berlin, Heidelberg, 159-177. DOI=10.1007/978-3-642-10308-7_11 http://dx.doi.org/10.1007/978-3-642-10308-7_11		Not informed		Authoring of Web content	yes
31	ART Simulator		www.ubaccess.com/artsimulator/ (não disponível)	Not informed		Simulation	Not informed
32	ATK Accessibility Toolkit		http://developer.gnome.org/atk/	open source	Creative Commons Attribution 3.0 Unported	API	yes
33	Automatic Testing UI States of AJAX (ATUSA)	Mesbah, A.; van Deursen, A.; Roest, D.; , "Invariant-Based Automatic Testing of Modern Web Applications," Software Engineering, IEEE Transactions on , vol.38, no.1, pp.35-53, Jan.-Feb. 2012. doi: 10.1109/TSE.2011.28. URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5728834&isnumber=6141067		different licenses for each component		Evaluation	Not informed
34	Automatic transcoding of flash content on the	Daisuke Sato, Hisashi Miyashita, Hironobu Takagi, and Chieko Asakawa. 2007. Automatic accessibility transcoding for flash content. In Proceedings of the 9th		Not informed		Automatic	yes

	client side	international ACM SIGACCESS conference on Computers and accessibility (Assets '07). ACM, New York, NY, USA, 35-42. DOI=10.1145/1296843.1296852 http://doi.acm.org/10.1145/1296843.1296852				transcoding	
35	AxsJAX	Charles L. Chen and T. V. Raman. 2008. AxsJAX: a talking translation bot using google IM: bringing web-2.0 applications to life. In Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A) (W4A '08). ACM, New York, NY, USA, 54-56. DOI=10.1145/1368044.1368056 http://doi.acm.org/10.1145/1368044.1368056	http://code.google.com/p/google-axsjax/	open source	Apache License 2.0	Automatic transcoding	Not informed
36	BBC Glow Widgets		www.bbc.co.uk/glow/docs/1.5/api/glow.widgets.shtml	open source	Apache License 2.0	API	yes
37	BeLearning project	S. Jeschke and H. Vieritz. BeLearning: Using Mental Models to Develop Accessible eLearning Applications (ICTA/UTIC 2007). Conference Proceedings of First International Conference on Information and Communication Technology & Accessibility, Hammamet, Tunisia, April 2007.		Not informed		Authoring of Web applications	yes (only citation)
38	Best Buy		bestbuy.com	free (website)		RIA/CRIA	no
39	Bestscout		www.bestsella.com/produkte/bestscout	Private		RIA/CRIA	yes (only citation)
40	Bindows		www.bindows.com	Private		Authoring of Web applications	Not informed
41	Bobby		www.cast.org/products/Bobby (vendido para IBM: http://www-01.ibm.com/software/awdtools/tester/policy/accessibility/)	Private		Evaluation	Not informed
42	BrowserFor2		http://www.matthewssoftware.com/BrowserFor2/	Private		User agent	yes (only citation)
43	CLC-4-TTS Suite		http://firevox.clcworld.net	open source	GPL	library	Not applicable
44	Coachjzef (CJZ)		www.coachjzef.nl	Private		RIA/CRIA	no
45	CoLab	Hoyos-Rivera, Gd.J.; Gomes, R.L.; Willrich, R.; Courtiat, J.-P.; , "CoLab: A New Paradigm and Tool for Collaboratively Browsing the Web," Systems, Man and Cybernetics, Part A: Systems and Humans, IEEE Transactions on , vol.36, no.6, pp.1074-1085, Nov. 2006 doi: 10.1109/TSMCA.2006.883173 URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=1715478&isnumber=36105		Not informed		User agent	Not informed
46	ColorDoctor		www.fujitsu.com/global/accessibility/assistance/cd	free		Evaluation	Not informed
47	ColorFilter		http://colorfilter.wickline.org	free (website)		Evaluation	Not informed
48	Colour Blindness		www.etre.com/tools/colourblindsimulator	free (website)		Evaluation	Not informed
49	CoPointer	K. Maly, M. Zubair, and L. Li. 2000. Cobrowser: Surfing the Web Using a Standard Browser. Technical Report. Old Dominion University, Norfolk, VA, USA.		Not informed		RIA/CRIA	Not informed
50	CoWeb	Stephan Jacobs, Michael Gebhardt, Stefanie Kethers, and Wojtek Rzasca. 1996. Filling HTML forms simultaneously: CoWeb—architecture and functionality. Comput. Netw. ISDN Syst. 28, 7-11 (May 1996), 1385-1395. DOI=10.1016/0169-7552(96)00054-2 http://dx.doi.org/10.1016/0169-7552(96)00054-2 .		Not informed		RIA/CRIA	Not informed
51	CRAWLJAX		crawljax.com	open source		Evaluation	Not informed
52	cross-browser AJAX-based approach to validate accessibility	Dworak, H.; , "Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance," Dependability of Computer Systems, 2008. DepCos-RELCOMEX '08. Third International Conference on , vol., no., pp.171-178, 26-28 June 2008 doi: 10.1109/DepCoS-RELCOMEX.2008.27 URL:		Not informed		Evaluation	Not informed

		http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4573054&isnumber=4573023					
53	CSurf	Mahmud, J., Borodin, Y., and Ramakrishnan, I. CSurf: A Context-Driven Non-Visual Web-Browser. WWW 2007.		Not informed		Assistive technology	Not informed
54	DAISY Production		http://www.aegis-project.eu/	open source		Assistive technology	yes
55	Dante project		www.dante.man.ac.uk	Not informed		Authoring of Web applications	Not informed
56	Design Pattern Language for Accessibility		http://www.ing.unibs.it/~fogli/patterns4accessibility/v0/EN/	free (website)		Authoring of Web applications	yes
57	Device Description Repository Simple API	Rabin, Fonseca, Hanrahan, Marín. 2008. Device Description Repository Simple API	http://www.w3.org/TR/DDR-Simple-API/	open source		API	Not applicable
58	Dijit Rich Text Editor		www.dojotoolkit.org/reference-guide/dijit/Editor.html	open source	BSD, Academic Free License	Authoring of Web content	yes
59	Direct Web Roaming (DWR)		getahead.org/dwr	Not informed		Authoring of Web applications	Not informed
60	DMS reengineering tool		http://www.semdesigns.com/products/DMS/DMSToolkit.html	Private		Application transcoding	Not informed
61	Dojo		http://dojotoolkit.org	open source	BSD, Academic Free License	Authoring of Web applications	yes
62	Dynamo web browser	Yevgen Borodin, Jeffrey P. Bigham, Rohit Raman, and I. V. Ramakrishnan. 2008. What's new?: making web page updates accessible. In Proceedings of the 10th international ACM SIGACCESS conference on Computers and accessibility (Assets '08). ACM, New York, NY, USA, 145-152. DOI=10.1145/1414471.1414499 http://doi.acm.org/10.1145/1414471.1414499		Not informed		User agent	yes
63	e-Buddy Instant Messenger		www.ebuddy.com	free (website)		RIA/CRIA	yes (only citation)
64	eBay		ebay.com	free (website)		RIA/CRIA	no
65	Eclipse Rich Client Application (RCP)		wiki.eclipse.org/index.php/Rich_Client_Platform	open source	EPL	Authoring of Web applications	Not informed
66	Editor baseado em templates para construção de conteúdo web acessível	Lourdes Moreno, Paloma Martínez, and Belén Ruiz. 2008. Guiding accessibility issues in the design of websites. In Proceedings of the 26th annual ACM international conference on Design of communication (SIGDOC '08). ACM, New York, NY, USA, 65-72. DOI=10.1145/1456536.1456550 http://doi.acm.org/10.1145/1456536.1456550		Not informed		Authoring of Web content	Not informed
67	eGroupware		http://www.egroupware.org/	Private		RIA/CRIA	Not informed
68	Emacspeak	T. B. Raman	http://emacspeak.sourceforge.net/	open source	GPL	Assistive technology	yes
69	eSpeak		http://espeak.sourceforge.net/	open source	GPL	Assistive	yes

						technolog y	
70	EvalAccess	Markel Vigo, Myriam Arrue, Giorgio Brajnik, Raffaella Lomuscio, and Julio Abascal. 2007. Quantitative metrics for measuring web accessibility. In Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A) (W4A '07). ACM, New York, NY, USA, 99-107. DOI=10.1145/1243441.1243465 http://doi.acm.org/10.1145/1243441.1243465	http://supt07.si.ehu.es/evalaccess2/	free (website)		Evaluatio n	yes
71	Evaluation framework for performing Web accessibility evaluations in different environments	Nádia Fernandes, Rui Lopes, and Luís Carriço. 2011. An architecture for multiple web accessibility evaluation environments. In Proceedings of the 6th international conference on Universal access in human-computer interaction: design for all and eInclusion - Volume Part I (UAHCI'11), Constantine Stephanidis (Ed.), Vol. Part I. Springer-Verlag, Berlin, Heidelberg, 206-214.		Not informed		Evaluatio n	Not informed
72	Ext JS		http://www.sencha.com/products/extjs/	Private, open source	GPL	Authorin g of Web applicatio ns	Not informed
73	Fabasoft Folio		http://www.fabasoft.com/en/fabasoft-folio.html	Private		RIA/CRI A	no
74	Facebook		www.facebook.com	free (website)		RIA/CRI A	no
75	Failure Rate	Terry Sullivan and Rebecca Matson. 2000. Barriers to use: usability and content accessibility on the Web's most popular sites. In Proceedings on the 2000 conference on Universal Usability (CUU '00). ACM, New York, NY, USA, 139-144. DOI=10.1145/355460.355549 http://doi.acm.org/10.1145/355460.355549		Not informed		Evaluatio n	Not applicable
76	Fangs		www.standards-schmandards.com/projects/fangs	open source	GPL	Assistive technolog y	yes
77	Fire Vox		http://firevox.clcworld.net	open source	GPL	Assistive technolog y	yes
78	FireBug		getfirebug.com	open source	BSD	Evaluatio n	Not informed
79	Flash accessibility checking tool	Shin Saito, Hironobu Takagi, and Chieko Asakawa. 2006. Transforming flash to XML for accessibility evaluations. In Proceedings of the 8th international ACM SIGACCESS conference on Computers and accessibility (Assets '06). ACM, New York, NY, USA, 157-164. DOI=10.1145/1168987.1169015 http://doi.acm.org/10.1145/1168987.1169015		Not informed		Automati c transcodi ng	Not informed
80	Flickr		www.flickr.com	free (website)		RIA/CRI A	no
81	Fluid infusion		http://fluidproject.org/	open source	BSD, ECL	Authorin g of Web applicatio ns	Not informed
82	Foxability		http://foxability.sourceforge.net/	open source	GPL	Evaluatio n	Not informed
83	Fujitsu Web Accessibility Inspector		www.fujitsu.com/global/accessibility/assistance/wi/	free		Evaluatio n	Not informed
84	Functional Web Accessibility Evaluator (FAE)	Jon Gunderson, Hadi Bargi Rangin, and Nicholas Hoyt. 2006. Functional web accessibility techniques and tools from the university of Illinois. In Proceedings of the 8th international ACM SIGACCESS conference on Computers and accessibility (Assets '06). ACM, New York, NY, USA, 269-270. DOI=10.1145/1168987.1169049 http://doi.acm.org/10.1145/1168987.1169049	http://fae.cita.uiuc.edu/	free (website)		Evaluatio n	yes
85	Gesture Pendant	Maribeth Gandy, Thad Stamer, Jake Auxier, and Daniel Ashbrook. 2000. The Gesture Pendant: A Self-illuminating, Wearable, Infrared Computer Vision System for Home Automation Control and Medical Monitoring. In Proceedings of the 4th IEEE International Symposium on Wearable Computers (ISWC '00). IEEE Computer Society, Washington, DC, USA, 87-.		Not informed		Assistive technolog y	yes
86	GMail		www.gmail.com	free		RIA/CRI A	no

87	GNOMEShell Magnifier		http://www.aegis-project.eu/	open source		Assistive technolog y	yes
88	Google Accessible Search		labs.google.com/accessible	free (website)		RIA/CRI A	yes
89	Google Blog		googleblog.blogspot.com	free (website)		RIA/CRI A	no
90	Google Chrome		https://www.google.com/chrome	open source	BSD	User agent	no
91	Google Docs		docs.google.com	free (website)		RIA/CRI A	no
92	Google Image Labeler		images.google.com/imagelabeler	free (website)		RIA/CRI A	yes
93	Google Maps		maps.google.com	free (website)		RIA/CRI A	no
94	Google Reader		reader.google.com	free (website)		RIA/CRI A	no
95	Google Talk IM		gmail.google.com	free (website)		RIA/CRI A	no
96	Google Web Toolkit		https://developers.google.com/web-toolkit/	open source	Apache License	Authorin g of Web applicatio ns	Not informed
97	Graphics Accessible to Everyone (GATE)	Ivan Kopeck and Radek Olej. 2008. GATE to Accessibility of Computer Graphics. In Proceedings of the 11th international conference on Computers Helping People with Special Needs (ICCHP '08), Klaus Miesenberger, Joachim Klaus, Wolfgang Zagler, and Arthur Karshmer (Eds.). Springer-Verlag, Berlin, Heidelberg, 295-302. DOI=10.1007/978-3-540-70540-6_44 http://dx.doi.org/10.1007/978-3-540-70540-6_44		Not informed		Authorin g of Web content	Not informed
98	GroupSystems ThinkTank		http://www.groupsystems.com/	Private		RIA/CRI A	no
99	Guide		http://www.yourdolphins.com/productdetail.asp?id=30	Private		Assistive technolog y	yes
100	HAL for Windows	Dolphin Computer Access	www.dolphincomputeraccess.com	Private		Assistive technolog y	yes
101	HearSay	I. V. Ramakrishnan, Amanda Stent, and Guizhen Yang. 2004. Hearsay: enabling audio browsing on hypertext content. In Proceedings of the 13th international conference on World Wide Web (WWW '04). ACM, New York, NY, USA, 80-89. DOI=10.1145/988672.988684 http://doi.acm.org/10.1145/988672.988684 ----- Yevgen Borodin, Jalal Mahmud, I. V. Ramakrishnan, and Amanda Stent. 2007. The HearSay non-visual web browser. In Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A) (W4A '07). ACM, New York, NY, USA, 128-129. DOI=10.1145/1243441.1243444 http://doi.acm.org/10.1145/1243441.1243444 ----- Yevgen Borodin, Jeffrey P. Bigham, Amanda Stent, and I. V. Ramakrishnan. 2008. Towards one world web with HearSay3. In Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A) (W4A '08). ACM, New York, NY, USA, 130-131. DOI=10.1145/1368044.1368074 http://doi.acm.org/10.1145/1368044.1368074 ----- Zan Sun, Amanda Stent, and I. V. Ramakrishnan. 2006. Dialog generation for voice browsing. In Proceedings of the 2006 international cross-disciplinary workshop on Web accessibility (W4A): Building the mobile web: rediscovering accessibility? (W4A '06). ACM, New York, NY, USA, 49-56. DOI=10.1145/1133219.1133228 http://doi.acm.org/10.1145/1133219.1133228		Private		Assistive technolog y	yes

102	Hearsay-Dynamo browser	Stephen A. Brewster, Peter C. Wright, and Alistair D. N. Edwards. 1993. An evaluation of earcons for use in auditory human-computer interfaces. In Proceedings of the INTERACT '93 and CHI '93 conference on Human factors in computing systems (CHI '93). ACM, New York, NY, USA, 222-227. DOI=10.1145/169059.169179 http://doi.acm.org/10.1145/169059.169179 ----- Yevgen Borodin, Jeffrey P. Bigham, Rohit Raman, and I. V. Ramakrishnan. 2008. What's new?: making web page updates accessible. In Proceedings of the 10th international ACM SIGACCESS conference on Computers and accessibility (Assets '08). ACM, New York, NY, USA, 145-152. DOI=10.1145/1414471.1414499 http://doi.acm.org/10.1145/1414471.1414499				Assistive technology	yes
103	HERA	Fundación Sidar	www.sidar.org/hera/index.php	free (website)		Evaluation	yes
104	HiSoftware Cynthia SaysTM		http://www.cynthiasays.com/	free (website)		Evaluation	yes
105	HitList		code.google.com/p/hit-list/ (não disponível)	open source	GPL	RIA/CRIA	yes
106	Home Page Reader	Chieko Asakawa and Takashi Itoh. 1998. User interface of a Home Page Reader. In Proceedings of the third international ACM conference on Assistive technologies (Assets '98). ACM, New York, NY, USA, 149-156. DOI=10.1145/274497.274526 http://doi.acm.org/10.1145/274497.274526		Not informed		User agent	yes
107	HotMetaL		http://www.hotmetalpro.com/	Private		Authoring of Web content	Not informed
108	HTML Validator		http://users.skynet.be/mgueury/mozilla/	free		Evaluation	Not informed
109	IAccessible2		http://www.linuxfoundation.org/collaborate/workgroups/accessibility/iaccessible2	open source		API	Not applicable
110	IBM Social Accessibility Project	Hironobu Takagi, Shinya Kawanaka, Masatomo Kobayashi, Takashi Itoh, and Chieko Asakawa. 2008. Social accessibility: achieving accessibility through collaborative metadata authoring. In Proceedings of the 10th international ACM SIGACCESS conference on Computers and accessibility (Assets '08). ACM, New York, NY, USA, 193-200. DOI=10.1145/1414471.1414507 http://doi.acm.org/10.1145/1414471.1414507	http://sa.watson.ibm.com (não disponível)	free (website)		RIA/CRIA	yes
111	ICEfaces	www.icefaces.org		open source		Authoring of Web applications	Not informed
112	Imergo		imergo.com	Private		Authoring of Web applications	Not informed
113	iPointer Presenter		http://hhi.fraunhofer.de/de/departments/interactive-media-human-factors/overview/ipoint-presenter/	Private		other	Not informed
114	Java Accessibility Application Programming Interface (JAAPI)		http://docs.oracle.com/javase/1.4.2/docs/guide/access/ (provável)	open source		API	Not applicable
115	Java Accessibility Helper		http://java.sun.com/developer/earlyAccess/jaccesshelper/docs/index.html	open source		Evaluation	Not informed
116	Java FreeTTS		http://freetts.sourceforge.net/docs/index.php (provável)	open source	BSD	Assistive technology	yes
117	JavaFX		http://javafx.com/	open source	GPL, EULA	Authoring of Web applications	Not informed
118	JAWS		www.freedomscientific.com/products/fs/jaw	Private		Assistive	yes

			s-product-page.asp			technolog y	
119	JQuery		http://jquery.com/	open source	GPL	Authorin g of Web applicatio ns	Not informed
120	JQuery UI		jqueryui.com	open source	GPL	Authorin g of Web applicatio ns	Not informed
121	Juicy Studio Accessibility Toolbar for Firefox		addons.mozilla.org/en- US/firefox/addon/9108	open source	GPL	Evaluatio n	Not informed
122	Lambda project		http://www.lambdaproject.org/	Private		Assistive technolog y	yes
123	Lift		<a href="http://www.usablenet.com/products_services/lift_d
w.html">www.usablenet.com/products_services/lift_d w.html (não disponível) ----- <a href="http://webhelp.ucs.ed.ac.uk/support/accessibi
lity/lift.html">http://webhelp.ucs.ed.ac.uk/support/accessibi lity/lift.html (provável)	free		Authorin g of Web content	Not informed
124	Lightweight real-time collaborative web browsing	Esenther, A.W.: 2002. Instant co-browsing: Lightweight real-time collaborative web browsing. Technical Report. Mitsubishi Eletronics Research Laboratories.	http://www.merl.com/publications/TR2002- 019/	Not informed		RIA/CRI A	Not informed
125	Linux Accessibility Toolkit (ATK)			open source	GPL, BSD	API	Not applicable
126	Los Angeles Times		http://www.latimes.com/	free (website)		RIA/CRI A	no
127	Lynx text browser		http://lynx.browser.org	open source	GPL	Assistive technolog y	yes
128	Mac OS Accessibility Protocol		<a href="https://developer.apple.com/library/mac/#do
cumentation/Accessibility/Conceptual/Access
ibilityMacOSX/OSXAXModel/OSXAXmo
del.html">https://developer.apple.com/library/mac/#do cumentation/Accessibility/Conceptual/Access ibilityMacOSX/OSXAXModel/OSXAXmo del.html	Private		API	Not applicable
129	Magenta	Barbara Leporini, Fabio Patern\&\#242;, and Antonio Scordia. 2006. Flexible tool support for accessibility evaluation. Interact. Comput. 18, 5 (September 2006), 869-890. DOI=10.1016/j.intcom.2006.03.001 http://dx.doi.org/10.1016/j.intcom.2006.03.001	http://giove.isti.cnr.it:8080/Magenta/	free (website)		Evaluatio n	yes
130	Magic		<a href="http://www.freedomscientific.com/products/lv/mag
ic-bl-product-page.asp">www.freedomscientific.com/products/lv/mag ic-bl-product-page.asp	Private		Assistive technolog y	yes
131	MCWEB	L. de Alfaro, T.A. Henzinger, and F.Y.C. Mang, "MCWEB: A Model-Checking Tool for Web Site Debugging," Proc. World Wide Web Conf., posters, 2001.		Not informed		Evaluatio n	Not informed
132	MediaWiki		http://www.mediawiki.org/wiki/MediaWiki	open source	GNU Free Documen tation License	Authorin g of Web applicatio ns	no
133	Metadata Encoding and Transmission Standard - METS Navigator		metsnavigator.sourceforge.net	open source		RIA/CRI A	no
134	Microsoft Active Accessibility (MSAA)		<a href="http://msdn.microsoft.com/library/default.asp?url=
/library/en-us/msaa/msaastart_9w2t.asp">msdn.microsoft.com/library/default.asp?url= /library/en-us/msaa/msaastart_9w2t.asp	Private		API	Not applicable
135	Microsoft Internet Explorer		<a href="http://www.microsoft.com/windows/products/winf
amily/ie/default.msp">www.microsoft.com/windows/products/winf amily/ie/default.msp	Private		User agent	yes
136	Microsoft Internet Explorer Developer		<a href="http://www.microsoft.com/download/en/deta
ils.aspx?id=18359">http://www.microsoft.com/download/en/deta ils.aspx?id=18359	free		Evaluatio n	Not informed

	Toolbar						
137	Microsoft Narrator		http://windows.microsoft.com/en-US/windows-vista/Hear-text-read-aloud-with-Narrator	Private		Assistive technology	yes
138	Microsoft SAPI (Speech API)		www.microsoft.com/speech/default.msp	Private		API	Not applicable
139	Moodle		http://www.moodle.org/	open source	GPL	RIA/CRIA	no
140	Mozilla Firefox		www.mozilla.org/firefox/	open source	GPL, LGPL, MPL	User agent	yes
141	Mozilla/Firefox Accessibility Extension		http://firefox.cita.uiuc.edu/	open source	MPL	Evaluation	Not informed
142	MTV		www.mtv.com	free (website)		RIA/CRIA	no
143	Multimodal Browser			Not informed		User agent	Not informed
144	MultiReader	K. Weimann, I. Langer, and G. Weber. Adaptation of Multimedia Browsing Techniques. In Proceedings of ICCHP. 2004, 135-142.		Not informed		User agent	Not informed
145	MySpace		http://www.myspace.com/	free (website)		RIA/CRIA	no
146	NetBeans Accessibility Testing utilities		http://wiki.netbeans.org/NetBeansAccessibility	open source	CDDL+GPL	Evaluation	Not informed
147	NetBeans IDE		www.netbeans.org	open source	CDDL+GPL	Authoring of Web applications	Not informed
148	Netscape		http://www.w3schools.com/browsers/browsers_netscape.asp	free		User agent	Not informed
149	Non Visual Desktop Access (NVDA)		www.nvda-project.org	open source	GPL	Assistive technology	yes
150	OCAWA accessibility validator		http://www.ocawa.com/en/	Not informed		Evaluation	Not informed
151	OOH4RIA	Santiago Meliá, Jaime Gómez, Sandy Pérez, and Oscar Díaz. 2008. A Model-Driven Development for GWT-Based Rich Internet Applications with OOH4RIA. In Proceedings of the 2008 Eighth International Conference on Web Engineering (ICWE '08). IEEE Computer Society, Washington, DC, USA, 13-23. DOI=10.1109/ICWE.2008.36 http://dx.doi.org/10.1109/ICWE.2008.36		Not informed		Authoring of Web applications	Not informed
152	Open Rico		openrico.org	open source	Apache License	Authoring of Web applications	Not informed
153	Open Speech Access to the GNOME Desktop Environment			Not informed		Assistive technology	Not informed
154	Openatrium		openatrium.com	open source	GPL	Authoring of Web applications	Not informed
155	Opera		http://www.opera.com/	free	EULA	User agent	yes
156	Oracle's ADF Faces		http://www.oracle.com/technetwork/developer-tools/adf/overview/index.html	free		Authoring of Web applications	Not informed
157	Oratio Blackberry		http://support.humanware.com/en-	commercial		Assistive	yes

			usa/support/oratio_%C2%AE_for_blackberry_smartphones			technology	
158	Orca		live.gnome.org/Orca	open source	LPGL	Assistive technology	yes
159	Parasoft WebKing		http://www.parasoft.com/	commercial		Evaluation	Not informed
160	PROOF	Cabri, G.; Leonardi, L.; Zambonelli, F.; , "Supporting cooperative WWW browsing: a proxy-based approach," Parallel and Distributed Processing, 1999. PDP '99. Proceedings of the Seventh Euromicro Workshop on , vol., no., pp.138-145, 3-5 Feb 1999 doi: 10.1109/EMPDP.1999.746657 URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=746657&isnumber=16112		Not informed		User agent	Not informed
161	Prototype		www.prototypejs.org	open source	MIT	Authoring of Web applications	Not informed
162	QualWeb	Nádia Fernandes, Rui Lopes, and Luís Carriço. 2011. On web accessibility evaluation environments. In Proceedings of the International Cross-Disciplinary Conference on Web Accessibility (W4A '11). ACM, New York, NY, USA, , Article 4 , 10 pages. DOI=10.1145/1969289.1969295 http://doi.acm.org/10.1145/1969289.1969295	http://hcim.di.fc.ul.pt/wiki/QualWeb (provável)	Not informed		Evaluation	Not informed
163	ReefChat		http://reefchat.org	free (website)		RIA/CRIA	yes
164	ReWeb	Filippo Ricca and Paolo Tonella. 2001. Analysis and testing of Web applications. In Proceedings of the 23rd International Conference on Software Engineering (ICSE '01). IEEE Computer Society, Washington, DC, USA, 25-34.		Not informed		Evaluation	Not informed
165	Rhizomer		rhizomik.net/rhizomer	open source		Authoring of Web applications	Not informed
166	Rule-based Accessibility Validation Environment (RAVEN)	Barry Feigenbaum and Michael Squillace. 2006. Accessibility validation with RAVEN. In Proceedings of the 2006 international workshop on Software quality (WoSQ '06). ACM, New York, NY, USA, 27-32. DOI=10.1145/1137702.1137709 http://doi.acm.org/10.1145/1137702.1137709		Not informed		Evaluation	Not informed
167	RUX-Method	J. C. Preciado, M. Linaje, S. Comai, and F. Sanchez-Figueroa. 2007. Designing Rich Internet Applications with Web Engineering Methodologies. In Proceedings of the 2007 9th IEEE International Workshop on Web Site Evolution (WSE '07). IEEE Computer Society, Washington, DC, USA, 23-30. DOI=10.1109/WSE.2007.4380240 http://dx.doi.org/10.1109/WSE.2007.4380240 ----- Marino Linaje, Juan Carlos Preciado, and Fernando Sanchez-Figueroa. 2007. Engineering Rich Internet Application User Interfaces over Legacy Web Models. IEEE Internet Computing 11, 6 (November 2007), 53-59. DOI=10.1109/MIC.2007.123 http://dx.doi.org/10.1109/MIC.2007.123		Not informed		Authoring of Web applications	Not informed
168	SAAF, the Semantic Accessibility Assessment Framework	Rui Lopes, Konstantinos Votis, Luís Carriço, Dimitrios Tzouvaras, and Spiridon Likothanassis. 2009. Towards the universal semantic assessment of accessibility. In Proceedings of the 2009 ACM symposium on Applied Computing (SAC '09). ACM, New York, NY, USA, 147-151. DOI=10.1145/1529282.1529311 http://doi.acm.org/10.1145/1529282.1529311		Not informed		Evaluation	Not informed
169	SADie	Darren Lunn, Sean Bechhofer, and Simon Harper. 2008. A user evaluation of the SADie transcoder. In Proceedings of the 10th international ACM SIGACCESS conference on Computers and accessibility (Assets '08). ACM, New York, NY, USA, 137-144. DOI=10.1145/1414471.1414498 http://doi.acm.org/10.1145/1414471.1414498 ----- Simon Harper, Sean Bechhofer, and Darren Lunn. 2006. SADie:: transcoding based on CSS. In Proceedings of the 8th international ACM SIGACCESS	http://we1.cs.manchester.ac.uk/research/sadie /	Not informed		Automatic transcoding	Not informed

		conference on Computers and accessibility (Assets '06). ACM, New York, NY, USA, 259-260. DOI=10.1145/1168987.1169044 http://doi.acm.org/10.1145/1168987.1169044					
170	Sahi		sahi.co.in/w/	Private, open source	Apache License	Evaluation	Not informed
171	SAW	Sánchez-Figueroa, F., Lozano-Tello, A., González-Rodríguez, J., Macías-García, M., 2007. Saw: a set of integrated tools for making the web accessible to visually impaired users. European Journal for the Informatics Professional, UPGRADE VIII (2), 67–71.		Not informed		Authoring of Web applications	Not informed
172	script.aculo.us		http://script.aculo.us/	open source	MIT	Authoring of Web applications	no
173	SecuBat	Stefan Kals, Engin Kirda, Christopher Kruegel, and Nenad Jovanovic. 2006. SecuBat: a web vulnerability scanner. In Proceedings of the 15th international conference on World Wide Web (WWW '06). ACM, New York, NY, USA, 247-256. DOI=10.1145/1135777.1135817 http://doi.acm.org/10.1145/1135777.1135817	http://secubat.codeplex.com/	open source	LGPL	Evaluation	Not informed
174	Selenium		selenium.openqa.org	open source	Apache License	Evaluation	Not informed
175	Selenium WebDriver		http://seleniumhq.org/projects/webdriver/	Not informed		Evaluation	Not informed
176	Semantic Web Accessibility Platform (SWAP)	Lisa Seeman. 2004. The semantic web, web accessibility, and device independence. In Proceedings of the 2004 international cross-disciplinary workshop on Web accessibility (W4A) (W4A '04). ACM, New York, NY, USA, 67-73. DOI=10.1145/990657.990669 http://doi.acm.org/10.1145/990657.990669		Not informed		Authoring of Web applications	Not informed
177	SHDM	Fernanda Lima and Daniel Schwabe. 2003. Modeling applications for the semantic web. In Proceedings of the 2003 international conference on Web engineering (ICWE'03), Juan Manuel Cueva Lovelle, Bernardo Mart\&\#237;n Gonz\&\#225;lez Rodr\&\#237;guez, Jose Emilio Labra Gayo, Mar\&\#237;a Del Puerto Paule Ruiz, and Luis Joyanes Aguilar (Eds.). Springer-Verlag, Berlin, Heidelberg, 417-426.		Not informed		Authoring of Web applications	Not informed
178	Silverlight (Microsoft Web Platform Installer)		http://www.microsoft.com/web/gallery/install.aspx?appid=silverlight4tools;silverlight4toolkit;riaservicestoolkit	free		Authoring of Web applications	Not informed
179	Simulator for embedded accessibility designs (NetBeans)	Votis, K.; Oikonomou, T.; Korn, P.; Tzouvaras, D.; Likothanassis, S.; , "A visual impaired simulator to achieve embedded accessibility designs," Intelligent Computing and Intelligent Systems, 2009. ICIS 2009. IEEE International Conference on , vol.3, no., pp.368-372, 20-22 Nov. 2009 doi: 10.1109/ICICISYS.2009.5358165 URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5358165&isnumber=5357745		Not informed		Evaluation	Not informed
180	sistema adaptativo para aplicações web 2.0 baseado em device profiles estendidos para modelagem de RIAs	Carlos A. Velasco, Yehya Mohamad, and Jaroslav Pullmann. 2009. Dynamic Adaptation of Web 2.0 Applications by Combining Extended Device Profiles. In Proceedings of the 5th International Conference on Universal Access in Human-Computer Interaction. Part III: Applications and Services (UAHCI '09), Constantine Stephanidis (Ed.). Springer-Verlag, Berlin, Heidelberg, 797-802. DOI=10.1007/978-3-642-02713-0_85 http://dx.doi.org/10.1007/978-3-642-02713-0_85		Not informed		other	Not informed
181	Site-wide Annotation	Hironobu Takagi, Chieko Asakawa, Kentarou Fukuda, and Junji Maeda. 2002. Site-wide annotation: reconstructing existing pages to be accessible. In Proceedings of the fifth international ACM conference on Assistive technologies (Assets '02). ACM, New York, NY, USA, 81-88. DOI=10.1145/638249.638265 http://doi.acm.org/10.1145/638249.638265		Not informed		Annotations-based transcoding	Not informed
182	Sm4RIA	Jesús M. Hermida, Santiago Meliá, Andrés Montoyo, and Jaime Gómez. 2010. Developing semantic rich internet applications using a model-driven approach. In Proceedings of the 2010 international conference on Web information systems engineering (WISS'10), Dickson K. W. Chiu, Ladjel Bellatreche, Hideyasu Sasaki,		Not informed		Authoring of Web applications	Not informed

		Ho-Fung Leung, and Shing-Chi Cheung (Eds.). Springer-Verlag, Berlin, Heidelberg, 198-211.					
183	Streaming Speech3	Goose, Kodlahali, Pechter, Hjelsvold. 2002. Streaming Speech3: a framework for generating and streaming 3D texto-to-speech and audio presentations to wireless PDAs as specified using extensions to SMIL.				Assistive technology	Not applicable
184	Supernova		www.dolphincomputeraccess.com	Private		Assistive technology	yes
185	Supernova-HAL with screen magnification and Braille output		www.dolphincomputeraccess.com	Private		Assistive technology	yes
186	System Access		http://www.serotek.com/system-access-standalone	Private		Assistive technology	yes
187	Taskfreak		www.taskfreak.com	open source	GPL	RIA/CRIA	Not informed
188	TAW		www.tawdis.net/taw3/cms/en	free (website)		Evaluation	Not informed
189	TAW CMS		http://www.tawdis.net/taw3/cms/en	free		Evaluation	Not informed
190	The Accessibility Kit for SharePoint		http://aks2007.codeplex.com/	open source	Microsoft Public License	Authoring of Web content	Not informed
191	The Organizer		www.apress.com/book/downloadfile/2931	open source		RIA/CRIA	Not informed
192	TheTunnel		arcade.christianmontoya.com/tunnel	open source		RIA/CRIA	no
193	Thunder		http://www.screenreader.net/	free		Assistive technology	yes
194	TIBCO General Interface		http://www.tibco.com/products/soa/composite-applications/general-interface/default.jsp	Private		Authoring of Web applications	Not informed
195	TinyMCE		tinymce.moxiecode.com/	open source	GPL	Authoring of Web content	yes
196	Total Validator Basic		http://www.totalvalidator.com/tool/	free, Private		Evaluation	Not informed
197	TrailBlazer	Jeffrey P. Bigham, Tessa Lau, and Jeffrey Nichols. 2009. Trailblazer: enabling blind users to blaze trails through the web. In Proceedings of the 14th international conference on Intelligent user interfaces (IUI '09). ACM, New York, NY, USA, 177-186. DOI=10.1145/1502650.1502677 http://doi.acm.org/10.1145/1502650.1502677		Private		Automatic transcoding	Not informed
198	Transcodificação utilizando marcação semântica	Peter Plessers, Sven Casteleyn, Yeliz Yesilada, Olga De Troyer, Robert Stevens, Simon Harper, and Carole Goble. 2005. Accessibility: a Web engineering approach. In Proceedings of the 14th international conference on World Wide Web (WWW '05). ACM, New York, NY, USA, 353-362. DOI=10.1145/1060745.1060799 http://doi.acm.org/10.1145/1060745.1060799		Not informed		Annotations-based transcoding	Not informed
199	TuDu		http://www.julien-dubois.com/tudu-lists	free (website)		RIA/CRIA	Not informed
200	Twitter		www.twitter.com	free (website)		RIA/CRIA	no
201	UI Automation for Windows		http://msdn.microsoft.com/pt-br/library/ms747327.aspx	free		API	Not applicable
202	UI Protocol	V\&\#225;clav Slov\&\#225;\&\#269;ek, Miroslav Mac\&\#237;k, and Martin Kl\&\#237;ma. 2009. Development framework for pervasive computing applications. SIGACCESS Access. Comput. 95 (September 2009), 17-29. DOI=10.1145/1651259.1651262 http://doi.acm.org/10.1145/1651259.1651262		Not informed		Authoring of Web applications	Not informed

203	UWEM	E. Velleman, C. Meerveld, C. Strobbe, J. Koch, C. A. Velasco, M. Snaprud, and A. Nietzio. Unified Web Evaluation Methodology (UWEM 1.2), 2007.	http://www.wabcluster.org/uwem1_2/	free		Evaluation	Not applicable
204	Validaty		http://gemal.dk/mozilla/validaty.html	open source	MPL	Evaluation	Not informed
205	VeriWeb	M. Benedikt, J. Freire, and P. Godefroid, "VeriWeb: Automatically Testing Dynamic Web Sites," Proc. 11th Int'l Conf. World Wide Web, pp. 654-668, 2002.		Not informed		Evaluation	Not informed
206	Vischeck		www.vischeck.com	free		Evaluation	Not informed
207	Visual Impairment Simulator		http://vis.cita.uiuc.edu/	free		Evaluation	Not informed
208	Voice Browser for Groupware systems (VoBG)	Makoto Kobayashi. 2008. Voice Browser for Groupware Systems: VoBG - A Simple Groupware Client for Visually Impaired Students. In Proceedings of the 11th international conference on Computers Helping People with Special Needs (ICCHP '08), Klaus Miesenberger, Joachim Klaus, Wolfgang Zagler, and Arthur Karshmer (Eds.). Springer-Verlag, Berlin, Heidelberg, 777-780. DOI=10.1007/978-3-540-70540-6_115 http://dx.doi.org/10.1007/978-3-540-70540-6_115		Not informed		Assistive technology	Not informed
209	VoiceOver		www.apple.com/accessibility/voiceover	Private		Assistive technology	yes
210	W3C CSS Validation Service		http://jigsaw.w3.org/css-validator	free (website)		Evaluation	yes
211	W3C Markup Validation Service		validator.w3.org	free (website)		Evaluation	yes
212	WAEX online		http://www.it.uc3m.es/vlc/waex.html	free (website)		Evaluation	yes
213	WAQM	Markel Vigo, Myriam Arrue, Giorgio Brajnik, Raffaella Lomuscio, and Julio Abascal. 2007. Quantitative metrics for measuring web accessibility. In Proceedings of the 2007 international cross-disciplinary conference on Web accessibility (W4A) (W4A '07). ACM, New York, NY, USA, 99-107. DOI=10.1145/1243441.1243465 http://doi.acm.org/10.1145/1243441.1243465		Not informed		Evaluation	Not informed
214	Watij		watij.com	open source	GPL	Evaluation	Not applicable
215	WAVE		wave.webaim.org	free (website)		Evaluation	yes
216	WAVE Firefox toolbar	José L. Fuertes, Ricardo González, Emmanuelle Gutiérrez, and Loïc Martínez. 2009. Hera-FFX: a Firefox add-on for semi-automatic web accessibility evaluation. In Proceedings of the 2009 International Cross-Disciplinary Conference on Web Accessibility (W4A) (W4A '09). ACM, New York, NY, USA, 26-35. DOI=10.1145/1535654.1535661 http://doi.acm.org/10.1145/1535654.1535661	http://wave.webaim.org/toolbar	free		Evaluation	Not informed
217	WAVES	Yao-Wen Huang, Chung-Hung Tsai, Tsung-Po Lin, Shih-Kun Huang, D. T. Lee, and Sy-Yen Kuo. 2005. A testing framework for Web application security assessment. Comput. Netw. 48, 5 (August 2005), 739-761. DOI=10.1016/j.comnet.2005.01.003 http://dx.doi.org/10.1016/j.comnet.2005.01.003		Not informed		Evaluation	Not informed
218	We-LCoME	Stefano Ferretti, Silvia Mirri, Ludovico Antonio Muratori, Marco Roccetti, and Paola Salomoni. 2008. E-learning 2.0: you are We-LCoME!. In Proceedings of the 2008 international cross-disciplinary conference on Web accessibility (W4A) (W4A '08). ACM, New York, NY, USA, 116-125. DOI=10.1145/1368044.1368070 http://doi.acm.org/10.1145/1368044.1368070		Not informed		RIA/CRIA	Not informed
219	Web Accessibility Toolbar		http://www.paciellogroup.com/resources/wat-ie-about.html	open source	CC Attribution-NoDerivs 3.0 Unported	Evaluation	Not informed
220	Web Service	Giakoumis, D.; Votis, K.; Tzovaras, D.; Likothanassis, S.; Hassapis, G.; ,		Not informed		Evaluation	Not

	Assessment Module	"Introducing accessibility in the Web services domain," Computer Science and Information Technology (ICCSIT), 2010 3rd IEEE International Conference on , vol.2, no., pp.18-22, 9-11 July 2010 doi: 10.1109/ICCSIT.2010.5564560 URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5564560&isnumber=5563531				n	informed
221	WebAim Low Vision Simulator		www.webaim.org/simulations/lowvision.php	free (website)		Evaluation	no
222	WebAnywhere	Jeffrey P. Bigham and Craig M. Prince. 2007. WebAnywhere: a screen reader on-the-go. In Proceedings of the 9th international ACM SIGACCESS conference on Computers and accessibility (Assets '07). ACM, New York, NY, USA, 225-226. DOI=10.1145/1296843.1296884 http://doi.acm.org/10.1145/1296843.1296884	http://webanywhere.cs.washington.edu/	free (website)		Assistive technology	yes
223	Webbie		www.webbie.org.uk	open source	GPL	Assistive technology	Not informed
224	WebInSight	Jeffrey P. Bigham, Ryan S. Kaminsky, Richard E. Ladner, Oscar M. Danielsson, and Gordon L. Hempton. 2006. WebInSight:: making web images accessible. In Proceedings of the 8th international ACM SIGACCESS conference on Computers and accessibility (Assets '06). ACM, New York, NY, USA, 181-188. DOI=10.1145/1168987.1169018 http://doi.acm.org/10.1145/1168987.1169018		free (website)		Automatic transcoding	yes
225	WebKing		www.parasoft.com/jsp/products/home.jsp?product=WebKing (não disponível)	Not informed		Evaluation	Not applicable
226	WebKit		http://www.webkit.org/	open source	BSD, LGPL	Authoring of user agent	Not informed
227	WebKit (GeoDump)		www.webkit.org	open source	BSD, LGPL	Authoring of user agent	Not informed
228	Webvisum		www.webvisum.com	free		Assistive technology	yes
229	WebXACT		webxact.watchfire.com (não disponível)	Not informed		Evaluation	Not informed
230	Wikipedia		wikipedia.org	free (website)		RIA/CRIA	no
231	WIMWAT	Alex Q. Chen. 2010. Widget identification and modification for web 2.0 access technologies (WIMWAT). SIGACCESS Access. Comput. 96 (January 2010), 11-18. DOI=10.1145/1731849.1731851 http://doi.acm.org/10.1145/1731849.1731851		Not informed		Automatic transcoding	Not informed
232	Window-Eyes		http://www.gwmicro.com/	Private		Assistive technology	yes
233	Windows Bridge		www.synthavoice.on.ca (não disponível)	Not informed		Assistive technology	Not informed
234	Windows Live Spaces		(não disponível - descontinuado)	free (website)		RIA/CRIA	Not informed
235	Windows Live Writer		http://windows.microsoft.com/en-US/windows-live/essentials-other-programs	free (website)		Authoring of Web content	Not informed
236	Yahoo User Interface Library		developer.yahoo.com/yui	open source	BSD	library	Not applicable
237	Yahoo! Mail		mail.yahoo.com	free (website)		RIA/CRIA	no
238	Yahoo! Video		movies.yahoo.com	free (website)		RIA/CRIA	no
239	YouTube		www.youtube.com	free (website)		RIA/CRIA	no
240	Zimbra Kabuki AJAX		www.zimbra.com/community/kabuki_ajax_t	open source	Yahoo	Authoring	Not

	Toolkit		oolkit_download.html		Public License	g of Web applications	informed
241	ZoomText		http://www.aisquared.com/zoomtext	Private		Assistive technology	yes

Table 11. Technologies (additional information only for (collaborative) RIAs).

ID	(collaborative) RIA domain	Type of interaction provided by the RIA/CRIA	Mechanisms for supporting awareness of others
2	synchronous communication	collaboration	<p>Message Checking: Like many other Chat applications the message refresh rate can be controlled by the user. For screen reader users the refresh rate can be controlled manually.</p> <p>Message Chime: An audio signal can be turned on to alert users when new messages have been posted.</p> <p>Message Sorting: The order in which message appear can be controlled so new messages appear at the top of the screen or at the bottom. Screen reader users will likely prefer new messages to appear at the top of the screen so their screen reader immediately begins reading these messages when the page is refreshed. Low vision users, perhaps using a screen magnification program, will likely prefer new messages to appear at the bottom of the screen, close to the composed message field.</p> <p>Message Display: Users may choose to display only new messages, reducing the amount of information appearing on the screen at one time.</p> <p>Message History: Users entering a chat after it has been running for a period, can access a full history of messages to catch up on the discussions they've missed.</p> <p>Message Transcripts: Chat administrators can archive chat transcripts for future review, or for public access after a chat session has ended.</p>
14	conference management	cooperation	
29	Didactic examples of accessible RIAs	mixed	
30	information sharing	individual	
38	e-commerce	individual	
39	co-browsing	collaboration	
44	assess and improve high school teacher skills	individual	
45	co-browsing	collaboration	
49	co-browsing	collaboration	shared pointer
50	co-browsing	collaboration	
56	Support for designing RIAs	individual	
63	synchronous communication (turns)	collaboration	<p>The contact list located below the personal bar allows a user to have an overview of his or her contacts as well as their personal message and status.</p> <p>When a eBuddy user receives a chat message, the new chat message ins indicated by a tab being added dynamically beside the tab at the top of the application. The new chat message tab contains the contact display name and a badge with the number of unread messages sent.</p> <p>... the chat screen contains the contact display name, personal message, and status - all of which may contain dynamically updates. Below the display name a log containing the chat messages from the contact and eBuddy user is displayed and updated dynamically.</p> <p>The user could confidently know that, for example, when a contact logged in, logged out, changed his or her status, or sent a message, all update would be announced in sequence. This configuration [using only WAI-ARIA markup] worked well on a small scale with a contact list of 50 chatters.</p> <p>The authors used tally queues for categorizing notifications and inform user on-demand.</p>
64	e-commerce	individual	
67	Office groupware	collaboration	
73	Enterprise management	collaboration	
74	Social networking	collaboration	Friend request, add friends (only part of the screen), synchronous communication (turn-based)
80	Image sharing	collaboration	
86	email	mixed	synchronous communication
88	Search	individual	
89	Blogs authoring	collaboration	
91	Collaborating document editing	collaboration	user status, user focus, actions, action history, sharing management
92	Image labeling		
93	Maps	cooperation	visualize and access maps references
94	RSS feeds	individual	
95	synchronous	collaboration	Notifications: incoming chat invitations, arrival of new messages in an ongoing chat session, subscription requests from friend wishing to subscribe

	communication (turns)		to the user's presence
98	Enterprise management	collaboration	
105	task manager	individual	
110	Social websites' accessibility problems solving	collaboration	Notifications of new requests, statistics of use, ranking and news.
124	co-browsing	collaboration	
126	News	individual	
133	Presentation of multi-part objects	individual	
139	LMS	mixed (according to the feature)	
142	Multimedia content sharing		
145	Social network		
154	Creation and management of projects	collaboration	
160	co-browsing	collaboration	
163	synchronous communication	collaboration	New chat messages are exposed to an AT using Live Regions Filter chat messages base username Online users
180	Adaptive tools for eLearning	individual	
187	task manager and to-do list	individual	
191	task manager and organizer	individual	
192	Game	individual	
199	personal to-do lists	individual	
200	Social network	collaboration	
218	e-learning	collaboration	
230	Information sharing	collaboration	Despite of authors mention about collaboration aspects the evaluation only approached individual features.
234	Social network		
237	E-mail		
238	Multimedia content sharing		
239	Video sharing	mixed	

Table 12. Occurrences of technologies in the reviewed studies.

Title (study)	Tool ID	Version	Approach in the study
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	1		Evaluation
Authoring Tools	2		Citation
Modeling web navigation with the user in mind	3		Proposition
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	4		Citation
Social accessibility: achieving accessibility through collaborative metadata authoring	5		Citation
Automatic accessibility transcoding for flash content	5		Citation
Towards one world web with HearSay3	5		Citation
Web 2.0: blind to an accessible new world	5		Citation
An Accessible Platform for Conference Administration and Management	6		Use
Enriching web information scent for blind users	7		Use
A visual impaired simulator to achieve embedded accessibility designs	8		Use
A visual impaired simulator to achieve embedded accessibility designs	9		Use
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	10		Citation
Widget Identification and Modification for Web 2.0 Access Technologies (WIMWAT)	10		Citation
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	11		Evaluation
Intelligence on the Web and e-Inclusion	12		Citation
Intelligence on the Web and e-Inclusion	13		Citation
An Accessible Platform for Conference Administration and Management	14		Proposition
Automatic accessibility transcoding for flash content	15		Citation
More than meets the eye: a survey of screen-reader browsing strategies	16		Citation
Is Accessibility an Issue in the Knowledge Society? Modern Web Applications in the Light of Accessibility	16		Citation
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	16		Evaluation
A visual impaired simulator to achieve embedded accessibility designs	17		Use
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	17		Citation
More than meets the eye: a survey of screen-reader browsing strategies	17		Citation
Making Multimedia Internet Content Accessible and Usable	18		Proposition
Development Framework for Pervasive Computing Applications	19		Citation
Accessibility Evaluation for Multimedia Content	20		Use
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	21	3	Citation
Overview of 1st AEGIS Pilot Phase Evaluation Results	22		Evaluation
More than meets the eye: a survey of screen-reader browsing strategies	23		Citation
Automatic accessibility transcoding for flash content	23		Citation
Social accessibility: achieving accessibility through collaborative metadata authoring	23		Citation
Towards one world web with HearSay3	23		Citation
What's new?: making web page updates accessible	23		Citation
Making Multimedia Internet Content Accessible and Usable	24		Citation
Discussions on Accessibility in Industrial Automation Systems	25		Citation
Invariant-Based Automatic Testing of Modern Web Applications	26		Citation
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	27	3.0.3	Evaluation

Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	27		Citation
DHTML accessibility: solving the JavaScript accessibility problem	27		Citation
The uptake of Web 2.0 technologies, and its impact on visually disabled users	27		Citation
Accessibility in Rich Internet Applications	27	4	Citation
WAI-ARIA live regions: eBuddy IM as a case example	27	4	Citation
Assessing the accessibility of UI for all ages	28		Use
Making "Google Docs" User Interface More Accessible for Blind People	29		Citation
Enhancing Wikipedia Editing with WAI-ARIA	30		Proposition
A visual impaired simulator to achieve embedded accessibility designs	31		Use
Web 2.0	32		Citation
Invariant-Based Automatic Testing of Modern Web Applications	33		Proposition
Automatic accessibility transcoding for flash content	34		Proposition
AxsJAX: a talking translation bot using google IM: bringing web-2.0 applications to life	35		Use
Modelling web navigation with the user in mind	35		Citation
More than meets the eye: a survey of screen-reader browsing strategies	35		Citation
Combining SADie and AxsJAX to improve the accessibility of web content	35		Use
Social accessibility: achieving accessibility through collaborative metadata authoring	35		Citation
User Testing of Google Reader and RIA Complexity – A Warning	35		Evaluation
Web 2.0: blind to an accessible new world	35		Citation
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	35		Citation
What's new?: making web page updates accessible	35		Citation
Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	35		Citation
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	36	1.7.3	Citation
Using web accessibility patterns for web application development	37		Citation
What's new?: making web page updates accessible	38		Use
Web-Based Support by Thin-Client Co-browsing	39		Citation
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	40		Citation
Enabling an accessible web 2.0	40		Citation
More than meets the eye: a survey of screen-reader browsing strategies	41		Citation
An Accessible Platform for Conference Administration and Management	41		Use
Web-Based Support by Thin-Client Co-browsing	42		Citation
Ajax live regions: ReefChat using the fire vox screen reader as a case example	43		Citation
Ajax live regions: chat as a case example	43		Use
Invariant-Based Automatic Testing of Modern Web Applications	44		Evaluation
Web-Based Support by Thin-Client Co-browsing	45		Citation
A visual impaired simulator to achieve embedded accessibility designs	46		Use
An Accessible Platform for Conference Administration and Management	47		Use
A visual impaired simulator to achieve embedded accessibility designs	48		Use
Web-Based Support by Thin-Client Co-browsing	49		Citation
Web-Based Support by Thin-Client Co-browsing	50		Citation
Invariant-Based Automatic Testing of Modern Web Applications	51		Proposition

Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	52		Proposition
Modelling web navigation with the user in mind	53		Citation
Automatic accessibility transcoding for flash content	53		Citation
Overview of 1st AEGIS Pilot Phase Evaluation Results	54		Evaluation
Developing Accessible Applications with User-Centred Architecture	55		Citation
Using web accessibility patterns for web application development	55		Citation
A design pattern language for accessible web sites	56		Proposition
Dynamic Adaptation of Web 2.0 Applications by Combining Extended Device Profiles	57		Citation
Making "Google Docs" User Interface More Accessible for Blind People	58		Citation
Enabling an accessible web 2.0	59		Citation
Model Refactoring in Web Applications	60		Citation
Ajax live regions: ReefChat using the fire vox screen reader as a case example	61		Citation
WAI-ARIA live regions: eBuddy IM as a case example	61		Citation
Ajax live regions: chat as a case example	61		Citation
Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	61		Citation
Enabling an accessible web 2.0	61		Citation
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	61	1.4.2	Citation
Accessibility Challenges and Tool Features: An IBM Web Developer Perspective	61		Citation
More than meets the eye: a survey of screen-reader browsing strategies	61		Citation
WAI-ARIA Live Regions and HTML 5	61		Citation
Web toolkits accessibility study	61		Evaluation
Building Communication With Access for All	61		Citation
Web 2.0: blind to an accessible new world	62		Citation
WAI-ARIA live regions: eBuddy IM as a case example	63		Extension
Usability and Accessibility of eBay by Screen Reader	64		Evaluation
Making Multimedia Internet Content Accessible and Usable	65		Use
Guiding accessibility issues in the design of websites	66		Proposition
Accessing Google Docs via Screen Reader	67		Citation
Making "Google Docs" User Interface More Accessible for Blind People	67		Citation
The uptake of Web 2.0 technologies, and its impact on visually disabled users	68		Citation
Overview of 1st AEGIS Pilot Phase Evaluation Results	69		Evaluation
Automatic Temporal Evaluation of the Accessibility of the World Wide Web and Its Standards Conformance	70	2	Use
Building a Usable and Accessible Semantic Web Interaction Platform	70	2	Use
An Architecture for Multiple Web Accessibility Evaluation Environments	70		Citation
An Architecture for Multiple Web Accessibility Evaluation Environments	71		Proposition
Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	72		Use
Web toolkits accessibility study	72	2.2.1	Evaluation
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	72	3.2.1	Citation
Improving the Accessibility of Fabasoft Folio by Means of WAI-ARIA	73		Extension
Is Facebook Really "Open" to All?	74		Evaluation
WAI-ARIA live regions: eBuddy IM as a case example	74		Citation

Dynamic Adaptation of Web 2.0 Applications by Combining Extended Device Profiles	74		Citation
Web 2.0: blind to an accessible new world	74		Citation
Web-Based Support by Thin-Client Co-browsing	74		Citation
On web accessibility evaluation environments	75		Citation
Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	76		Citation
Ajax live regions: ReefChat using the fire vox screen reader as a case example	77		Use
More than meets the eye: a survey of screen-reader browsing strategies	77		Citation
WAI-ARIA live regions: eBuddy IM as a case example	77		Citation
WCAG 2.0: a web accessibility standard for the evolving web	77		Citation
Audio presentation of auto-suggest lists	77		Extension
Ajax live regions: chat as a case example	77		Use
The uptake of Web 2.0 technologies, and its impact on visually disabled users	77		Citation
Bells, whistles, and alarms: HCI lessons using AJAX for a page-turning web application	78		Use
Automatic accessibility transcoding for flash content	79		Citation
WAI-ARIA live regions: eBuddy IM as a case example	80		Citation
Ajax live regions: chat as a case example	80		Citation
Web 2.0	80		Citation
Toward an Equal Opportunity Web: Applications, Standards, and Tools that Increase Accessibility	81	1.2	Citation
WAI-ARIA live regions: eBuddy IM as a case example	81		Citation
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5 Final considerations

This technical report presented the results of a systematic literature review about awareness of others in accessible collaborative rich Internet applications. The scope of this text is limited to the studies selection and data extraction activities. The data synthesis results of the first part of SLR (*i.e.* overview of the studies) are already available in Almeida and Baranauskas [ALMa, ALMb]. Almeida and Baranauskas [ALMa] analyzed the geographical and publishing distribution of studies and, also proposed a preliminary set of guidelines for awareness of others in accessible collaborative RIAs. Almeida and Baranauskas [ALMb] focused on methodological aspects for people involvement in the studies.

Next steps involve the consolidation of the proposed guidelines by refining them considering the recommendations, guidelines, and patterns approached by the reviewed studies; and the evaluation of the guidelines in case studies. Finally, we hope this report provide enough information for other researchers get inspired, use, extend, or mix it.

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