Advanced Decision Support Tools for Scalable Web Accessibility Assessments

Risultati

Informazioni relative al progetto

WAI-Tools
ID dell’accordo di sovvenzione: 780057

DOI
10.3030/780057

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INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

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€ 2 244 493,75

Contributo UE
€ 1 999 812,00

Progetto concluso

Data della firma CE
25 Ottobre 2017

Data di avvio
1 Novembre 2017

Data di completamento
31 Gennaio 2021

Coordinato da
GEIE ERCIM
France

Risultati finali

Demonstrators, pilots, prototypes (2)

Working Instance of DiFi Observatory
Report and documentation describing the setup, functionality and other operational aspects of the DiFi observatory.
Working Instance of AMA Observatory
Report and source code describing the setup, functionality and other operational aspects of the AMA observatory.

Other (13)

Prototype Large-Scale Data Browser
Source code and documentation of a prototype tool based on the use cases and scenarios researched in D3.4

Phase 2 Test Rules Development
Development of 10 fully-automated, 10 semi-automated, and 5 manual test rules according to the W3C standard ACT Rules Format, where possible building on existing public repositories.

Implementation of Open Format
Implementation of the open format as an output option of the SI and DQ engine

Open Format for Accessibility Test Data
Open format for accessibility test data based on existing metadata definitions, such as Evaluation and Report Language (EARL) and Test Case Description Language (TCDL).

Phase 1 Test Rules Development
Development of 15 fully-automated, 10 semi-automated, and 5 manual test rules according to the W3C standard ACT Rules Format, where possible building on existing public repositories

Phase 2 Test Rules Implementation
Implementation of the available Phase 2 fully- and semi-automated test rules, as applicable, in the SI and DQ engines.

Updated WCAG-EM Report Tool
Source code and documentation of the WCAG-EM Report Tool with extended functionality to important accessibility results from fully- and semi-automated testing using the open format, to complement manual testing.

Phase 3 Test Rules Development
Development of 5 fully-automated, 5 semi-automated, and 5 manual test rules according to the W3C standard ACT Rules Format, where possible building on existing public repositories.
Requirements Analysis for Data Browser

Documentation of use cases and scenarios a prototype tool that can browse large amounts of open data from observatories and evaluation reports using the open format.

Phase 3 Test Rules Implementation

Implementation of the available Phase 3 fully- and semi-automated test rules, as applicable, in the SI and DQ engines.

Model Accessibility Statement

Model accessibility statement for websites, based on the guidance from WCAG 2.0 and WCAG-EM, through the consensus process of the W3C/WAI Education and Outreach Working Group (EOWG).

Phase 1 Test Rules Implementation

Implementation of the available Phase 1 fully- and semi-automated test rules, as applicable, in the SI and DQ engines.

Accessibility Statement Generator

Source code and documentation of a tool for manually generating accessibility statements, based on the model statement developed by EOWG.

Documents, reports (4)

Phase 3 Test Rules Validation

Report on the outcome of running the available Phase 3 test rules on the selected sample of websites.

Report on Website Selection Process

Report on the selection process for a sample of websites with current evaluation reports as content for cross-review.

Phase 1 Test Rules Validation

Report on the outcome of running the available Phase 1 test rules on the selected sample of websites.

Phase 2 Test Rules Validation

Report on the outcome of running the available Phase 2 test rules on the selected sample of websites.

Open Research Data Pilot (1)
Data Management Plan

This deliverable describes the data management life cycle for the data collected, processed and / or generated by WAI-Tools.

Pubblicazioni

Conference proceedings (5)

Analysis of automated contrast checking tools

Autori: Rafael Almeida, Carlos Duarte
Editore: ACM DL
DOI: 10.1145/3371300.3383348

Comparing accessibility evaluation plug-ins

Autori: Tânia Frazão, Carlos Duarte
Editore: ACM
DOI: 10.1145/3371300.3383346

Semantic Content Analysis Supporting Web Accessibility Evaluation

Autori: Carlos Duarte, Inês Matos, Luís Carriço
Pubblicato in: Proceedings of the Internet of Accessible Things on - W4A ’18, 2018, Page(s) 1-4, ISBN 9781450356510
Editore: ACM Press
DOI: 10.1145/3192714.3196828

Artificial Intelligence (AI) for Web Accessibility - Is Conformance Evaluation a Way Forward?

Autori: Shadi Abou-Zahra, Judy Brewer, Michael Cooper
Pubblicato in: Proceedings of the Internet of Accessible Things on - W4A ’18, 2018, Page(s) 1-4, ISBN 9781450356510
Editore: ACM Press
DOI: 10.1145/3192714.3192834

Combining Semantic Tools for Automatic Evaluation of Alternative Texts

Autori: Carlos M. Duarte, Luís Carriço