Easy Reading: A Framework for Personalised Cognitive Accessibility when using Original Digital Content

Fact Sheet

**Project information**

**Easy Reading**

- Grant agreement ID: 780529
- [Project website](#)

**Status**

- Ongoing project

**Start date** 1 January 2018

**End date** 30 June 2020

**Funded under:**

- **H2020-EU.2.1.1.**

**Overall budget:** € 2 237 875

**EU contribution** € 1 992 063

**Coordinated by:**

- UNIVERSITAT LINZ
- Austria

**Objective**

The “Easy Reading” framework will improve the cognitive accessibility of original digital documents by providing real time personalisation through annotation (using e.g. symbol, pictures, videos), adaptation (using e.g. layout, structure) and translation (using e.g. Easy-to-Read, Plain Language, symbol writing systems). The framework provides these (semi-)automated services using HCI techniques (e.g. pop-ups/Text-To-Speech (TTS)/captions through mouse-over or eye-tracking) allowing the user to remain and work within the original digital document. This fosters independent access and keeps the user in the inclusive discourse about the original content. Services adapt to each user through a personal profile (sensor based tracking and reasoning of e.g. the level of performance, understanding, preferences, mood, attention, context and the individual learning curve).

The interdisciplinary project team includes users with cognitive disabilities in all phases through the Inclusive Participatory Action Research Method (IPAR) ensuring to address real users’ needs.

The “Easy Reading” framework is planned as a cloud based, open source and freely available support infrastructure. It will reach as many people with limited reading and language skills (e.g. people with cognitive disabilities - ~2,5% of the population - older adults, people with a different mother tongue) summing up to 25% in some regions or countries. Additionally, many more people will enjoy exploring new and unfamiliar content using personalised access.
This framework integrates and supports state-of-the-art and future R&D. It incorporates tools for annotation, adaptation and translation of content by providing a sustainable user-centred eco-system for personalisation. It promotes European ideals and enables independent applications to leverage the infrastructure and socialize their application for business (profit and non-for profit) in a new EU driven growth market.

Field of Science

/social sciences/sociology/governance/public services
/humanities/languages and literature/languages - general

Programme(s)

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

Topic(s)

ICT-23-2017 - Interfaces for accessibility

Call for proposal

H2020-ICT-2017-1

See other projects for this call

Funding Scheme

RIA - Research and Innovation action

Coordinator

UNIVERSITAT LINZ
Address
Altenberger Strasse 69
4040 Linz
Austria
Website
Contact the organisation

EU Contribution
€ 324 875

Participants

(8)
<table>
<thead>
<tr>
<th>Organisation</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity type</th>
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<tr>
<td>KOMPETENZNETZWERK INFORMATIONSTECHNOLOGIE ZUR FOERDERUNG DER INTEGRATION VON MENSCHEN MIT BEHINDERUNGEN</td>
<td>€ 258 625</td>
<td>Altenberger Strasse 69, 4040 Linz</td>
<td>Research Organisations</td>
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<tr>
<td>TECHNISCHE UNIVERSITAT DORTMUND</td>
<td>€ 275 750</td>
<td>August Schmidt Strasse 4, 44227 Dortmund</td>
<td>Higher or Secondary Education Establishments</td>
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<td>IN DER GEMEINDE LEBEN GGMBH - HILFEN FUR MENSCHEN MIT BEHINDERUNGEN</td>
<td>€ 134 375</td>
<td>Ludwig Erhard Allee 14, 40227 Dusseldorf</td>
<td>Other</td>
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<td>FUNKA NU AB</td>
<td>€ 170 188</td>
<td>Tegnergatan 23, 111 40 Stockholm</td>
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<td><strong>TEXTHelp LTD</strong></td>
<td>€ 197 750</td>
<td>Lucas Exchange 1 Orchard Way</td>
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<td><strong>VASTRA Gotalands Lans Landsting</strong></td>
<td>€ 199 875</td>
<td>Regionens Hus 462 80 Vanersborg</td>
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<td><strong>GEIE ERCIM</strong></td>
<td>€ 225 000</td>
<td>Route Des Lucioles 2004 Sophia Antipolis 06410 Biot</td>
<td>Other</td>
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<td><strong>ATHENA I.C.T. LTD</strong></td>
<td>€ 205 625</td>
<td>Nahal Dolev St. 48 9962140 Beit Shemesh</td>
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