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

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

This project is featured in...

RESEARCH*EU MAGAZINE
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NO. 101, APRIL 2021
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

/engineering and technology/electrical engineering, electronic engineering, information engineering/electronic engineering/sensors
/natural sciences/computer and information sciences/internet/web development

Programme(s)

Topic(s)

Call for proposal
## Funding Scheme

RIA - Research and Innovation action

### Coordinator

<table>
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<tr>
<th>Organisation</th>
<th>Address</th>
<th>Activity type</th>
<th>EU contribution</th>
</tr>
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<tbody>
<tr>
<td>UNIVERSITAT LINZ</td>
<td>Altenberger Strasse 69, 4040 Linz, Austria</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 324 875</td>
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### Participants (8)

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<td>KOMPETENZNETZWERK INFORMATIONSTECHNOLOGIE ZUR FOERDERUNG DER INTEGRATION VON MENSCHEN MIT BEHINDERUNGEN</td>
<td>Altenberger Strasse 69, 4040 Linz, Austria</td>
<td>Research Organisations</td>
<td>€ 258 625</td>
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<tr>
<td>TECHNISCHE UNIVERSITAT DORTMUND</td>
<td>August Schmidt Strasse 4, 44227 Dortmund, Germany</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 275 750</td>
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<td>IN DER GEMEINDE LEBEN GGMBH - HILFEN FUR MENSCHEN MIT</td>
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Contact the organisation 🏛️
BEHINDERUNGEN

Germany

EU contribution

€ 134 375

Address

Ludwig Erhard Allee 14
40227 Dusseldorf

Activity type

Other

Contact the organisation

FUNKA NU AB

Sweden

EU contribution

€ 170 188

Address

Tegnergatan 23
111 40 Stockholm

Activity type

Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

TEXTHELP LTD

United Kingdom

EU contribution

€ 197 750

Address

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BT41 2RU Antrim

Activity type

Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

VASTRA GOTALANDS LANS LANDSTING

Sweden

EU contribution

€ 199 875

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462 80 Vanersborg

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
GEIE ERCIM
France
EU contribution
€ 225 000
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06410 Biot
Activity type
Other
Website
Contact the organisation

ATHENA I.C.T. LTD
Israel
EU contribution
€ 205 625
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Nahal Dolev St. 48
9962140 Beit Shemesh
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

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