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**

Funded under
H2020-EU.2.1.1.

**Start date**
1 January 2018

**End date**
30 June 2020

Overall budget
€ 2,237,875

EU contribution
€ 1,992,063

**Coordinated by**
UNIVERSITAT LINZ
Austria

This project is featured in...

RESEARCH*EU MAGAZINE
Transforming European health systems in the wake of COVID-19

NO. 101, APRIL 2021
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.

Fields of science

Programme(s)

Topic(s)

Call for proposal
## Funding Scheme

**RIA - Research and Innovation action**

### Coordinator

<table>
<thead>
<tr>
<th>Organisation</th>
<th>Address</th>
<th>Activity type</th>
<th>EU contribution</th>
</tr>
</thead>
<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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Website [link]  
Contact the organisation [link]

### 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>
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Contact the organisation [link]

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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>BEHINDERUNGEN</td>
<td>Germany</td>
<td>€ 134 375</td>
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<tr>
<td>ADDRESS</td>
<td>Ludwig Erhard Allee 14 40227 Dusseldorf</td>
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<td>FUNKA NU AB</td>
<td>Sweden</td>
<td>€ 170 188</td>
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<tr>
<td>ADDRESS</td>
<td>Tegnergatan 23 111 40 Stockholm</td>
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<td>TEXTHELP LTD</td>
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<td>€ 197 750</td>
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<td>ADDRESS</td>
<td>Lucas Exchange 1 Orchard Way BT41 2RU Antrim</td>
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<td>VÄSTRA GÖTALANDSREGIONEN</td>
<td>Sweden</td>
<td>€ 199 875</td>
<td>Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)</td>
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<tr>
<td>ADDRESS</td>
<td>Regionens Hus 462 80 Vanersborg</td>
<td></td>
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GEIE ERCIM
France
EU contribution
€ 225 000
Address
Route Des Lucioles 2004
Sophia Antipolis
06410 Biot
Activity type
Other
Website
Contact the organisation

ATHENA I.C.T. LTD
Israel
EU contribution
€ 205 625
Address
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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