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

Fact Sheet

Project Information

**Easy Reading**
Grant agreement ID: 780529

**Funded under**
H2020-EU.2.1.1.

**Project website**

**Overall budget**
€ 2 237 875

**EU contribution**
€ 1 992 063

**Closed project**

**Start date**
1 January 2018

**End date**
30 June 2020

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

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<tr>
<th><strong>KOMPETENZNETZWERK INFORMATIONSTECHNOLOGIE ZUR FOERDERUNG DER INTEGRATION VON MENSCHEN MIT BEHINDERUNGEN</strong></th>
<th>Activity type</th>
<th>EU contribution</th>
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<tbody>
<tr>
<td>Address</td>
<td>Research Organisations</td>
<td></td>
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<tr>
<td>Altenberger Strasse 69</td>
<td>4040 Linz</td>
<td>Austria</td>
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<td></td>
<td>€ 258 625</td>
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<th><strong>TECHNISCHE UNIVERSITAT DORTMUND</strong></th>
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<tr>
<td>Address</td>
<td>Higher or Secondary Education Establishments</td>
<td>€ 275 750</td>
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<tr>
<td>August Schmidt Strasse 4</td>
<td>44227 Dortmund</td>
<td>Germany</td>
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<tr>
<th><strong>IN DER GEMEINDE LEBEN GGMBH - HILFEN FUR MENSCHEN MIT</strong></th>
<th>Activity type</th>
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BEHINDERUNGEN

Germany
EU contribution
€ 134 375

Address
Ludwig Erhard Allee 14
40227 Dusseldorf

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

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Lucas Exchange 1 Orchard Way
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Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Contact the organisation

VÄSTRA GÖTALANDSREGIONEN

Sweden
EU contribution
€ 199 875

Address
Regionens Hus
462 80 Vanersborg

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
GEIE ERCIM

France

EU contribution
€ 225 000

Address
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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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