# 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.

**Overall budget**

€ 2,237,875

**EU contribution**

€ 1,992,063

**Coordinated by**

UNIVERSITAT LINZ

Austria

**Start date**

1 January 2018

**End date**

30 June 2020

**Closed project**

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## This project is featured in...

**RESEARCH*EU MAGAZINE**

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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

UNIVERSITAT LINZ
Address
Altenberger Strasse 69
4040 Linz
Austria
Activity type
Higher or Secondary Education Establishments
EU contribution
€ 324,875

Participants (8)

KOMPETENZNETZWERK INFORMATIONSTECHNOLOGIE ZUR FOERDERUNG DER INTEGRATION VON MENSCHEN MIT BEHINDERUNGEN
Austria
EU contribution
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Activity type
Research Organisations

TECHNISCHE UNIVERSITAT DORTMUND
Germany
EU contribution
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Activity type
Higher or Secondary Education Establishments

IN DER GEMEINDE LEBEN GGMBH - HILFEN FUR MENSCHEN MIT
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FUNKA NU AB
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TEXTHELP LTD
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€ 197,750
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VÄSTRA GÖTALANDSREGIONEN
Sweden
EU contribution
€ 199,875
Address
Regionens Hus
462 80 Vanersborg
Contact the organisation
<table>
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<th>Country</th>
<th>EU Contribution</th>
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<th>Activity Type</th>
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<tbody>
<tr>
<td>GEIE ERCIM</td>
<td>France</td>
<td>€ 225 000</td>
<td>Route Des Lucioles 2004, Sophia Antipolis, 06410 Biot</td>
<td>Other</td>
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<tr>
<td>ATHENA I.C.T. LTD</td>
<td>Israel</td>
<td>€ 205 625</td>
<td>Nahal Dolev St. 48, 9962140 Beit Shemesh</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
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**Record number:** 213156

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