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

Fact Sheet

Project Information

**Easy Reading**
Grant agreement ID: 780529

Fed under H2020-EU.2.1.1.

**Overall budget**
€ 2 237 875

**EU contribution**
€ 1 992 063

**Start date**
1 January 2018

**End date**
30 June 2020

**Coordinated by**
UNIVERSITAT LINZ
Austria

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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

natural sciences > computer and information sciences > internet > web development
engineering and technology > electrical engineering, electronic engineering, information engineering >
electronic engineering > sensors
natural sciences > biological sciences > ecology > ecosystems

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

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation  Website  

H2020 collaboration network

EU contribution

€ 324 875

Participants (8)

KOMPETENZNETZWERK INFORMATIONSTECHNOLOGIE ZUR FOERDERUNG DER INTEGRATION VON MENSCHEN MIT BEHINDERUNGEN

Austria

EU contribution
€ 258 625

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Altenberger Strasse 69
4040 Linz

Activity type
Research Organisations

Links
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H2020 collaboration network

TECHNISCHE UNIVERSITAT DORTMUND

Germany
EU contribution
€ 275 750

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August Schmidt Strasse 4
44227 Dortmund

Activity type
Higher or Secondary Education Establishments

Links
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H2020 collaboration network

IN DER GEMEINDE LEBEN GGMBH - HILFEN FUR MENSCHEN MIT BEHINDERUNGEN

Germany
EU contribution
€ 134 375

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Ludwig Erhard Allee 14
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Activity type
Other

Links
FUNKA NU AB
Sweden
EU contribution
€ 170 188
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Tegnergatan 23
111 40 Stockholm
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation
H2020 collaboration network

TEXTHELP LTD
United Kingdom
EU contribution
€ 197 750
Address
Lucas Exchange 1 Orchard Way
BT41 2RU Antrim
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation
H2020 collaboration network

VÄSTRA GÖTALANDSREGIONEN
Sweden
EU contribution
€ 199 875
€ 199 875

Address
Regionens Hus
462 80 Vanersborg

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

Links
Contact the organisation
H2020 collaboration network

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GEIE ERCIM

France
EU contribution
€ 225 000

Address
Route Des Lucioles 2004 Sophia Antipolis
06410 Biot

Activity type
Other

Links
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Website
H2020 collaboration network

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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)

Links
Last update: 31 January 2021
Record number: 213156

Permalink: https://cordis.europa.eu/project/id/780529

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