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

Closed project

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

Programme(s)

Topic(s)

Call for proposal
Funding Scheme

Coordinator

UNIVERSITAT LINZ

Address
Altenberger Strasse 69
4040 Linz
Austria

Activity type
Higher or Secondary Education Establishments

EU contribution
€ 324,875

Website
Contact the organisation

Participants (8)

KOMPETENZNETZWERK INFORMATIONSTECHNOLOGIE ZUR FÖRDERUNG DER INTEGRATION VON MENSCHEN MIT BEHINDERUNGEN

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EU contribution
€ 258,625

Activity type
Research Organisations

Contact the organisation

TECHNISCHE UNIVERSITAT DORTMUND

Address
August Schmidt Strasse 4
44227 Dortmund
Germany

EU contribution
€ 275,750

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

IN DER GEMEINDE LEBEN GGMBH - HILFEN FUR MENSCHEN MIT BEHINDERUNGEN

Address
Germany

EU contribution

Website
Contact the organisation
EU contribution

Europe

€ 134,375

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Ludwig Erhard Allee 14
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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

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Lucas Exchange 1 Orchard Way
BT41 2RU Antrim

Activity type

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

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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)

Contact the organisation
GEIE ERCIM

France

EU contribution
€ 225 000

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Sophia Antipolis
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Activity type
Other

ATHENA I.C.T. LTD

Israel

EU contribution
€ 205 625

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9962140 Beit Shemesh

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

Contact the organisation

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