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

Start date 1 January 2018

End date 30 June 2020

Funded under H2020-EU.2.1.1.

Overall budget € 2,237,875

EU contribution € 1,992,063

Coordinated by UNIVERSITAT LINZ Austria

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.

**Field of science**

/ engineering and technology/electrical engineering, electronic engineering, information engineering/electronic engineering/sensors
/natural sciences/computer and information sciences/internet/web development

**Programme(s)**

**Topic(s)**

**Call for proposal**

H2020-ICT-2017-1

**Funding Scheme**

RIA - Research and Innovation action

**Coordinator**

UNIVERSITAT LINZ

Address

Activity type

EU contribution

€ 324 875
Participants (8)

KOMPETENZNETZWERK INFORMATIONSTECHNOLOGIE ZUR FOERDERUNG DER INTEGRATION VON MENSCHEN MIT BEHINDERUNGEN

Address: Altenberger Strasse 69
City: Linz
Country: Austria
EU contribution: € 258 625
Activity type: Research Organisations

Contact the organisation

TECHNISCHE UNIVERSITAT DORTMUND

Address: August Schmidt Strasse 4
City: Dortmund
Country: 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: Ludwig Erhard Allee 14
City: Dusseldorf
Country: Germany
EU contribution: € 134 375
Activity type: Other

Contact the organisation

FUNKA NU AB

Country: 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
Address
Lucas Exchange 1 Orchard Way
BT41 2RU Antrim
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

VASTRA GOTALANDS LANS LANDSTING
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
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

Last update: 31 January 2021
Record number: 213156

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

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