X5gon

Project ID: 761758

Funded under:
H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

X5gon: Cross Modal, Cross Cultural, Cross Lingual, Cross Domain, and Cross Site Global OER Network

From 2017-09-01 to 2020-08-31, ongoing project

Project details

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<th>Total cost:</th>
<th>Topic(s):</th>
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<td>EUR 3 120 957,50</td>
<td>ICT-19-2017 - Media and content convergence</td>
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<th>EU contribution:</th>
<th>Call for proposal:</th>
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<tr>
<td>EUR 2 995 145</td>
<td>H2020-ICT-2016-2</td>
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<th>Coordinated in:</th>
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<td>United Kingdom</td>
<td>IA - Innovation action</td>
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Objective

The proposal X5gon stands for easily implemented freely available innovative technology elements converging currently scattered Open Educational Resources (OER) available in various modalities across Europe and the globe. X5gon combines content understanding, user modelling quality assurance methods and tools to boost a homogenous network of (OER) sites and provides users (teachers, learners) with a common learning experience. X5gon deploys open technologies for recommendation, learning analytics and learning personalisation services that works across various OER sites, independent of languages, modalities, scientific domains, and socio-cultural contexts. It develops services OER media convergence including full courses, course materials, modules, textbooks, videos, tests, software, related events, tools, materials, techniques used to support access to knowledge. Fivefold solutions are offered to OER sites:

• Cross-modal: technologies for multimodal content understanding;
• Cross-site: technologies to transparently accompany and analyse users across sites;
• Cross-domain: technologies for cross domain content analytics;
• Cross-language: technologies for cross lingual content recommendation;
• Cross-cultural: technologies for cross cultural learning personalisation.

X5gon collects and index OER resources, track data of users progress and feed an analytics engine driven by state-of-the-art machine learning, improve recommendations via user understanding and match with knowledge resources of all types.

The project will create three services X5oerfeed, X5analytics and X5recommend and run a series of pilot case studies that enable the measurement of the broader goals of delivering a useful and enjoyable educational experience to learners in different domains, at different levels and from different cultures. Two exploitation scenarios are planned: (i) free use of services for OER, (ii) commercial exploitation of the multimodal, big data, real-time analytics pipeline.
**Coordinator**

UNIVERSITY COLLEGE LONDON  
GOWER STREET  
WC1E 6BT LONDON  
United Kingdom

**EU contribution:** EUR 762 207,50

**Activity type:** Higher or Secondary Education Establishments

See on map

**Participants**

INSTITUT JOZEF STEFAN  
Jamova 39  
1000 LJUBLJANA  
Slovenia

**EU contribution:** EUR 500 093,75

**Activity type:** Research Organisations

See on map

KNOWLEDGE 4 ALL FOUNDATION LBG  
HIGH STREET 36 44 SURREY HOUSE  
RH1 1RH REDHILL  
United Kingdom

**EU contribution:** EUR 284 625

**Activity type:** Other

See on map

UNIVERSITAT POLITECNICA DE VALENCIA  
CAMINO DE VERA SN EDIFICIO 3A  
46022 VALENCIA  
Spain

**EU contribution:** EUR 414 500

**Activity type:** Higher or Secondary Education Establishments

See on map

UNIVERSITE DE NANTES  
QUAI DE TOURVILLE 1  
44035 NANTES CEDEX 1  
France

**EU contribution:** EUR 404 331,25

**Activity type:** Higher or Secondary Education Establishments

See on map
UNIVERSITAET OSNABRUECK
NEUER GRABEN/SCHLOSS 29
49074 OSNABRUECK
Germany
EU contribution: EUR 126 825

Activity type: Higher or Secondary Education Establishments
Contact the organisation

POSTA SLOVENIJE DOO
SLOMSKOV TRG 10
2500 MARIBOR
Slovenia
EU contribution: EUR 293 562,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

Ministrstvo za izobrazevanje, znanost in sport
Masarykova 16
1000 Ljubljana
Slovenia
EU contribution: EUR 209 000

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Contact the organisation

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