Exploiting Ubiquitous Computing, Mobile Computing and the Internet of Things to promote Science Education

Fact Sheet

Project Information

UMI-Sci-Ed
Grant agreement ID: 710583

DOI
10.3030/710583

Closed project

EC signature date
13 April 2016

Start date
1 June 2016

End date
31 May 2019

Funded under
Make scientific and technological careers attractive to young students, and foster sustainable interaction between schools, research institutions, industry and civil society organisations

Total cost
€ 1,794,187,50

EU contribution
€ 1,794,187,50

Coordinated by
INSTITOUTO TECHNOLOGIAS YPOLOGISTON KAI EKDOSEON DIOFANTOS

Greece

Objective

Nowadays we are lucky to have many exciting new technologies available, like Ubiquitous Computing (UbiComp), Mobile Computing (MobiCom) and the Internet of Things (IoT); in the following, we shall refer to them collectively as UMI. These technologies are so modern and powerful that can be both an educational means and end, thus fostering innovation and supporting promising scientific careers. The broad
The aim of the project is to investigate the introduction of UMI technologies in education. By carefully exploiting state of the art technologies in order to design educational tools and activities, the project aims to offer novel educational services, implement innovative pedagogies and enhance students’ and teachers’ creativity, socialisation and scientific citizenship. We intend to put these technologies in practice, so as to enhance the level of science, technology, engineering and mathematics (STEM) education young girls and boys are receiving and at the same time make attractive the prospect of pursuing a career in domains pervaded by UMI. Inspired by M. Weiser’s idea, a tranquil environment for educational activities will be provided, where technology itself will not star but support the stakeholders of education, including, the educational community (teaching institutions, students, professors, tutors, etc), the industry (UMI companies, VET providers, publishers, etc), career consultants and educational authorities and policy makers. To this end, communities of practice (CoP) will be formed dynamically around UMI projects implemented at schools, including representatives of all necessary stakeholders. In this project we aim to develop an integrated yet open training framework for upper high school students.

Programme(s)

H2020-EU.5.a. - Make scientific and technological careers attractive to young students, and foster sustainable interaction between schools, research institutions, industry and civil society organisations

Topic(s)

SEAC-1-2015 - Innovative ways to make science education and scientific careers attractive to young people

Call for proposal

H2020-SEAC-2014-2015

See other projects for this call

Sub call

H2020-SEAC-2015-1

Funding Scheme
Coordinator

INSTITOUTO TECHNOLOGIAS YPOLOGISTON KAI EKDOSEON DIOFANTOS

Net EU contribution

€ 341 375,00

Address

N kazantzaki odos
26504 Patras
Greece

Region

Κεντρική Ελλάδα > Δυτική Ελλάδα > Αχαΐα

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding

€ 0,00

Participants (6)

MUNSTER TECHNOLOGICAL UNIVERSITY

Ireland

Net EU contribution

€ 244 125,00

Address

Rossa avenue bishopstown
T12 P928 Cork

Region

Ireland > Southern > South-East

Activity type

Higher or Secondary Education Establishments

Links
Consortium Ubiquitous Technologies S.c.a.r.l.

**Italy**

Net EU contribution

€ 264,375,00

**Address**

Via mario giuntini 13
56021 Cascina

**SME**
Yes

**Region**
Centro (IT) > Toscana > Pisa

**Activity type**
Other

**Links**

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00

HELSINGIN YLIOPISTO

**Finland**

Net EU contribution

€ 179,250,00

**Address**

Yliopistonkatu 3
00014 Helsingin yliopisto

**Region**

4 of 7
Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU

Norway
Net EU contribution
€ 356 562,50

Address
Hogskoleringen 1
7491 Trondheim

Region
Norge > Trøndelag > Trøndelag

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

UNIVERSITA DI PISA

Italy
Net EU contribution
€ 248 500,00

Address
Lungarno pacinotti 43/44
56126 Pisa  ⚜️
Region
Centro (IT) > Toscana > Pisa
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation ⚤  Website ⚤  Participation in EU R&I programmes ⚤  HORIZON collaboration network ⚤
Other funding
€ 0,00

ALL DIGITAL AISBL
Belgium
Net EU contribution
€ 160 000,00
Address
Rue du commerce 123
1000 Bruxelles / brussel  ⚜️
SME  ⚤
Yes
Region
Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad
Activity type
Other
Links
Contact the organisation ⚤  Participation in EU R&I programmes ⚤  HORIZON collaboration network ⚤
Other funding
€ 0,00

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