

GROUP OF PROJECT FOR TECHNICAL SCHOOLS, STARTUPS & SME's - Potential partners and example of project ideas for future applications

Preparing overview for future project applications and
preparing for partner in consortium in 2017-2018

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Introduction

Група на проекти кои се селектирани за анализа на проектни идеи, проектни партнери од земји членки на ЕУ.

Овие примери на проекти се наменети за технички училишта, за студенти, за стартап компании и мали и средни компании, за соработка со универзитети и институти.



Up2U

Project ID: 732049

Funded under:

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

Up to University - Bridging the gap between schools and universities through informal education

From 2017-01-01 **to** 2019-12-31, ongoing project

Project details

Total cost: EUR 5 154 375	Topic(s): ICT-22-2016 - Technologies for Learning and Skills
EU contribution: EUR 4 928 602,5	Call for proposal: H2020-ICT-2016-1 See other projects for this call
Coordinated in: Netherlands	Funding scheme: IA - Innovation action

Objective

The key objective of our project is to bridge the gap between secondary schools and higher education and research by better integrating formal and informal learning scenarios and adapting both the technology and the methodology that students will most likely be facing in universities.

We are focusing on the context of secondary schools, often referred to as high schools, which provide secondary education between the ages of 11 and 19 depending on the country, after primary school and before higher education. The learning context from the perspective of the students is the intersection of formal and informal spaces, a dynamic hybrid learning environment where synchronous activities meet in both virtual and real dimensions. For this, we propose to develop an innovative Up to University (Up2U) ecosystem - based on proven experiences in higher education and big research - that facilitates open, more effective and efficient co-design, co-creation, and use of digital content, tools and services adapted for personalised learning and teaching of high school students preparing for university. We will address project based learning and peer-to-peer learning scenarios.

We strongly believe that all the tools and services the project is going to use and/or make available (i.e. incorporate, design, develop and test) must be sustainable after the lifetime of the project. Therefore, the project is going to develop business plans and investigate appropriate business models using the expertise of the Small Medium Enterprise and National Research and Education Network partners and their contacts with third-party business actors. Our plan is to make it easy for new schools to join the Up2U infrastructure and ecosystem that will form a federated market-place for the learning community.

Coordinator

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EU contribution: EUR 313 125

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Smart Library

Project ID: 756826

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
H2020-EU.3.6. - SOCIETAL CHALLENGES - Europe In A Changing World - Inclusive, Innovative And Reflective Societies

Smart Library of Edutainment: technology and gamification at the service of Education

From 2017-03-01 **to** 2018-08-31, ongoing project

Project details

Total cost: EUR 1 827 500	Topic(s): SMEInst-12-2016-2017 - New business models for inclusive, innovative and reflective societies
EU contribution: EUR 1 200 000	Call for proposal: H2020-SMEINST-2-2016-2017 See other projects for this call
Coordinated in: Spain	Funding scheme: SME-2 - SME instrument phase 2

Objective

Children today are natives of technology, having frequent access to digital devices both at home and at school. Digital devices are today even more used than TV. Worryingly, the offering of high quality educational apps is very limited and expensive. Parents and educators are concerned about this and are actively searching for better alternatives.

To help resolve these issues, Smile and Learn places technology at the service of education with the mission of helping children 2 to 12 years old learn while having fun using digital devices. Like the north American educational philosopher John Dewey, we believe that "if we teach today's students as we taught yesterday's, we rob them of tomorrow." Our vision is to become the global leader in Edutainment (Entertainment plus Education). To do so we have developed the Smart Digital Library, a single platform of interactive games and stories that, as of today, provides access to up to 30 individual proprietary apps (100 apps by end 2018). The "Library" can be used at home, on the go or at school and provides "smart" recommendations to children, their parents and educators.

In August 2016, Smile and Learn successfully completed phase I of SME Instrument, finalizing our first release of the Smart Library rolled out in real production environments both at pilot schools (today more than 100 schools use the Library, including 10 special education schools) and with families (+7,000 active users) in different markets, including the US, Spain, the UK, France, Mexico and Colombia, with very positive feedback. We already have more than 30,000 users worldwide with no marketing expenditure.

We are now moving forward to make the Smart Library a global state-of-the-art product in the edutainment industry by scaling it up and rolling out a powerful dissemination plan, that we expect to conduct with the support of Phase 2 H2020

Coordinator

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EU contribution: EUR 1 200 000

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STEM4youth

Project ID: 710577

Funded under:

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

Promotion of STEM education by key scientific challenges and their impact on our life and career perspectives

From 2016-05-01 **to** 2018-10-31, ongoing project

Project details

<p>Total cost:</p> <p>EUR 1 776 936,25</p> <p>EU contribution:</p> <p>EUR 1 766 936,25</p> <p>Coordinated in:</p> <p>Poland</p>	<p>Topic(s):</p> <p>SEAC-1-2015 - Innovative ways to make science education and scientific careers attractive to young people</p> <p>Call for proposal:</p> <p>H2020-SEAC-2015-1 See other projects for this call</p> <p>Funding scheme:</p> <p>RIA - Research and Innovation action</p>
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Objective

STEM4you(th) seeks to produce a comprehensive, multidisciplinary series of courses presenting key STEM discipline challenges to support young people, primarily high school students aged 14-19, formal and informal education. The content will be organized around 7 STEM disciplines: Mathematics, Physics, Astronomy, Chemistry, Engineering and Medicine. For each discipline 7-9 challenges will be presented largely through their practical applications and their impact on our everyday life and work. Also it will be shown which specific skills and competence STEM education develops and how these skills address the current and future European labor market needs. In the effect project will provide a helicopter view of STEM disciplines and job characteristics associated with these disciplines to help young people in taking conscious decisions on their future (subject of, field of study and finally career path to pursue).

The scope and tangible results of STEM4you(th) are:

- A multidisciplinary guide developed for different exploitation channels (more formal: extra-curricular activities at school and informal: science festivals, university organized lectures and web open accessible self-study materials)
- Formal and informal methodologies and tools tailored to present the scientific challenges in an attractive way (learning by experiment, gamin, citizen science at schools)
- Recommendations on STEM learning best practices and formal school curricula (input to the EU education policy)
- Plans on project result exploitation on a large scale by Scientific Communities (like SCIENTIX), educational networks, teacher associations and partner networking.

STEM4you(th) is a strong consortium with experience in educational methodologies, economy and societal content and to accelerate the project result dissemination process.

Coordinator

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eCraft2Learn

Project ID: 731345

Funded under:

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

Digital Fabrication and Maker Movement in Education: Making Computer-supported Artefacts from Scratch

From 2017-01-01 **to** 2018-12-31, ongoing project

Project details

<p>Total cost: EUR 1 943 248</p> <p>EU contribution: EUR 1 943 248</p> <p>Coordinated in: Finland</p>	<p>Topic(s): ICT-22-2016 - Technologies for Learning and Skills</p> <p>Call for proposal: H2020-ICT-2016-1 See other projects for this call</p> <p>Funding scheme: RIA - Research and Innovation action</p>
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Objective

Digital technology has radically changed the way people work in industry, finance, services, media and commerce and has urged necessary corresponding changes in educational systems. However there is a lack of progress in the education arena. Hence, recent studies show that high percentages of college graduates can't find work, the dropout rate is high and new generations are moving back into their parents homes after school or college. Nevertheless, the digital trend indicates that today's grade-school children will end up at jobs that haven't been invented yet.

Nowadays, several studies assure that digital fabrication and making technologies, if coupled with proper learning methodologies such as Constructivism can provide learning experiences that promote young people's creativity, critical thinking, teamwork, and problem solving skills, which are essential and necessary in the workplace of the 21st century. However, as early as 2008 a OECD report remarked that "technology is everywhere, except in schools". In addition to this, most uses of technologies in education and training today do not support 21st-century learning skills. In many cases, new technologies are simply reinforcing old ways of training and learning in current school settings and very often they are introduced according to a narrow perception as being suitable only for talented youth or only for Science-, Maths- or Engineering-oriented majors. Current developments call for a move from this elitism to the recognition that fluency with making technologies represents knowledge and skills valuable for every citizen.

The eCraft2Learn project will research, design, pilot and validate an ecosystem based on digital fabrication and making technologies for creating computer-supported artefacts. The project aims at reinforcing personalised learning and teaching in science, technology, engineering, arts and math (STEAM) education and to assist the development of 21st century skills that promote inclusion and employability for youth in the EU. The eCraft2Learn ecosystem will support both formal and informal learning by providing the appropriate digital fabrication, making technologies, and programming tools. It will also incorporate mechanisms for personalised and adaptive learning.

Coordinator

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GAIA

Project ID: 696029

Funded under:

H2020-EU.3.3.1. - Reducing energy consumption and carbon footprint by smart and sustainable use

Green Awareness in Action

From 2016-02-01 **to** 2019-01-31, ongoing project

Project details

Total cost: EUR 1 775 707	Topic(s): EE-11-2015 - New ICT-based solutions for energy efficiency
EU contribution: EUR 1 775 707	Call for proposal: H2020-EE-2015-2-RIA See other projects for this call
Coordinated in: Greece	Funding scheme: RIA - Research and Innovation action

Objective

The GAIA project focuses on the educational community; faculty, staff, students and parents at all levels of education: primary/secondary/high schools and universities. Targeting Energy Efficiency in the context of the educational community is clearly very important due to a number of reasons since raising awareness among young people and changing their behaviour and habits concerning energy usage is key to achieving sustained energy reductions and it will also indirectly affect their immediate family environment, while achieving energy reduction in the school buildings. GAIA will create an innovative ICT ecosystem (including web-based, mobile, social and sensing elements) tailored specifically for school environments, taking into account both the users (faculty, staff, students, parents) and buildings (schools, universities, homes) that will motivate and support citizens' behavioural change to achieve greater energy efficiency. GAIA will include also a set of pilots in different countries. GAIA will directly educate over 6.900 users, influence and attempt to transform their behaviour through a series of trials conducted in the educational environment and in homes. We expect a larger number of people to be informed about the activities of GAIA and be positively affected towards an energy-efficient behaviour transformation.

Coordinator

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EU contribution: EUR 199 457

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TUTOR

Project ID: 739813

Funded under: [H2020-EU.2.3.2.2. - Enhancing the innovation capacity of SMEs](#)

TUTOR: A universal Learning Management System for Robot-based learning

From 2017-09-01 **to** 2018-08-31, Grant Agreement signed

Project details

Total cost: EUR 100 875	Topic(s): INNOSUP-02-2016 - European SME innovation Associate - pilot
EU contribution: EUR 100 875	Funding scheme: CSA - Coordination and support action
Coordinated in: Spain	

Objective

In this digital age, a change in learning/teaching method is being fuelled by the introduction of Information and Communication Technologies (ICT) and interactive media (digital whiteboard, tablets, robots, etc.) in schools. Among them, the use of robots with age-school children improves their motivation and learning process by 75%. A notable obstacle to implement robotics widely as part of schools' curriculum appears to be the involvement needed from educators (teachers, therapists, etc) in the generation of contents and experiences, which today requires programming or coding knowledge.

Aiming at overcoming this barrier, our company InterOnLine has developed TUTOR, a novel Learning Management System for leveraging education based on the use of robots, that allows non-computer skilled users create, manage and transfer learning units (LUs) for robots out-of-the-box.

We have detected our potential capabilities to define and design our own educational robot in which run TUTOR, in order to maximize the business opportunity in the innovative Robot-Learning sector. This way, we will develop a fully functional product (LMS software + hardware) that will provide a mechanism for our sustainable growth. By enrolling an Innovation associate we will be able to leverage this innovation strategy. In order to achieve the objectives for develop and implement TUTOR project, we need to reinforce our team with a PhD in robotics engineering with knowledge and experience in educational and pedagogic methodologies.

The recruitment of the IA will help us to accelerate the high growth of our company, by means of the following expected impacts: reinforcing experience and knowhow of our team, developing the new line of products for the future of our company and boosting our business opportunity, reaching 4M€ by 2020 once full product has been launched.

Coordinator

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EU contribution: EUR 100 875

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GOTSolar

Project ID: 687008

Funded under: [H2020-EU.1.2.1. - FET Open](#)

New technological advances for the third generation of Solar cells

From 2016-01-01 **to** 2018-12-31, ongoing project

Project details

Total cost: EUR 2 993 403,75	Topic(s): FETOPEN-1-2014 - FET-Open research projects
EU contribution: EUR 2 993 403,5	Call for proposal: H2020-FETOPEN-2014-2015-RIA See other projects for this call
Coordinated in: Portugal	Funding scheme: RIA - Research and Innovation action

Objective

It is believed that solid-state perovskite solar cells (PSCs) will be the next generation of power source, contributing for fostering the use of photovoltaics in buildings' roofs and facades. Actually, their transparency, various possibilities of colors and high kWh/nominal power ratio offer to PSCs an opportunity to conquer markets that are not attainable by traditional silicon solar cells. To turn this ambition to a marketable product several efforts are still needed and this project aims to give relevant answers to those key challenges.

GOTSolar proposes disruptive approaches for the development of highly efficient, long-lasting and environmentally safe PSCs. Metal oxide scaffolds employing perovskites and pigment materials with extraordinary high-efficient light harvesters in conjunction with solid-state HTMs will be developed and assembled together. The obtained materials will be characterized to elucidate the interplay of the mesostructure, the perovskite absorber and the HTM layer. These measurements will be used to understand the circumstances electron and/or hole collection is favourable allowing the optimization of the whole device. This understanding and the developed materials will provide the tools to push the PV performance towards 24 % efficiency for lab-size (ca. 25 mm²) and stable for 500 h under 80 °C. In parallel, lead-free light absorbers will be developed aiming a power conversion efficiency of 16 %, also in lab-size cells. These high-efficient devices will be encapsulated using a new hermetically laser assisted glass encapsulation process to enable high-durability and tested under accelerated aging conditions. Following, a device of 10 × 10 cm² will be built and used for demonstrating the scalability of the developments for producing the first perovskite solar module with potential for 20 years of lifetime.

Coordinator

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EU contribution: EUR 650 125

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EU contribution: EUR 102 500

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EU contribution: EUR 650 000

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EU contribution: EUR 326 450

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EU contribution: EUR 219 925

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ENERGISE

Project ID: 727642

Funded under: [H2020-EU.3.3.6. - Robust decision making and public engagement](#)

European Network for Research, Good Practice and Innovation for Sustainable Energy

From 2016-12-01 **to** 2019-11-30, ongoing project

Project details

Total cost: EUR 3 720 453,75	Topic(s): LCE-31-2016-2017 - Social Sciences and Humanities Support for the Energy Union
EU contribution: EUR 3 176 513,75	Call for proposal: H2020-LCE-2016-RES-CCS-RIA See other projects for this call
Coordinated in: Ireland	Funding scheme: RIA - Research and Innovation action

Objective

Considerable challenges remain today regarding Europe's transition towards a decarbonised energy system that meets the economic and social needs of its citizens. Rebound effects, that is, a full or partial cancelling-out of efficiency gains over time through increased overall energy use, highlight the centrality of consumption in multi-scalar decarbonisation efforts, urgently requiring attention from scientists and policy makers. Calls also abound for innovative, research-led programmes to enhance the social acceptability of energy transition initiatives and technologies. Understanding how culture-specific views and practices and energy policy and governance both shape and reflect individual and collective energy choices is of paramount importance for the success of the Energy Union. ENERGISE responds directly to these challenges by engaging in frontier energy consumption scholarship. Recognising the persistence of diverse energy cultures, both within and between countries, ENERGISE offers an ambitious social science programme to enhance understanding of changes in energy consumption practices across 30 European countries. Moving beyond state-of-the-art research, ENERGISE theoretically frames and empirically investigates socio-economic, cultural, political and gender aspects of the energy transition. It also examines how routines and ruptures (re)shape household energy consumption practices. Adopting a cutting-edge Living Labs approach, designed specifically to facilitate cross-cultural comparisons, ENERGISE fuses tools for changing individual- and community-level energy consumption with a novel method for energy sustainability assessment. ENERGISE will open new research horizons and greatly enhance Europe's capacity for high-impact, gender-sensitive consumption research. It also offers timely support for public- and private-sector decision-makers who grapple with the design and implementation of measures to effectively reduce household energy consumption.

Coordinator

NATIONAL UNIVERSITY OF IRELAND, GALWAY
UNIVERSITY ROAD
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Ireland

Ireland

EU contribution: EUR 606 610

Participants





AALBORG UNIVERSITET FREDRIK BAJERS VEJ 5 9220 AALBORG Denmark	Denmark EU contribution: EUR 431 962,5
KINGSTON UNIVERSITY HIGHER EDUCATION CORPORATION RIVER HOUSE HIGH STREET 53-57 KT1 1LQ KINGSTON UPON THAMES United Kingdom	United Kingdom EU contribution: EUR 431 476,25
UNIVERSITEIT MAASTRICHT Minderbroedersberg 4-6 6200 MD MAASTRICHT Netherlands	Netherlands EU contribution: EUR 404 000
UNIVERSITE DE LAUSANNE Quartier Unil-Centre Bâtiment Unicentre 1015 LAUSANNE Switzerland	Switzerland EU contribution: EUR
GREENDEPENDENT INTEZET NONPROFIT KOZHASZNU KORLATOLT FELELOSSEGU TARSASAG EVA UTCA 4 2100 GODOLLO Hungary	Hungary EU contribution: EUR 383 350
LUDWIG-MAXIMILIANS-UNIVERSITAET MUENCHEN GESCHWISTER SCHOLL PLATZ 1 80539 MUENCHEN Germany	Germany EU contribution: EUR 371 520
FOCUS DRUSTVO ZA SONARAVEN RAZVOJ MAURERJEVA ULICA 7 1000 LJUBLJANA Slovenia	Slovenia EU contribution: EUR 46 500
APPLIED RESEARCH AND COMMUNICATIONS FUND ALEXANDER ZHENDOV STREET 5 1113 SOFIA Bulgaria	Bulgaria EU contribution: EUR 85 906,25
HELSINGIN YLIOPISTO FABIANINKATU 33 00014 HELSINGIN YLIOPISTO Finland	Finland EU contribution: EUR 415 188,75

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SmartLife

Project ID: 732348

Funded under:

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

Smart Clothing Gamification to promote Energy-related Behaviours among Adolescents

From 2017-01-01 **to** 2018-12-31, ongoing project

Project details

<p>Total cost:</p> <p>EUR 1 264 512,5</p> <p>EU contribution:</p> <p>EUR 997 887,5</p> <p>Coordinated in:</p> <p>Portugal</p>	<p>Topic(s):</p> <p>ICT-24-2016 - Gaming and gamification</p> <p>Call for proposal:</p> <p>H2020-ICT-2016-1 See other projects for this call</p> <p>Funding scheme:</p> <p>IA - Innovation action</p>
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Objective

Energy-related behaviours (physical activity, sedentary behaviour) are main modifiable determinants of several non-communicable health conditions, e.g. diabetes type 2, overweight and obesity, and track into adulthood. Promoting these behaviours among youngsters can have great health and societal gains. Meeting recommended levels for these behaviours is especially low among adolescents, girls and those of lower socio-economic status. An intervention to promote energy-related behaviours among adolescents is thus indicated, and may also address social inclusion. Exergames, which require movement to be played, have great yet underused potential to promote these behaviours. To fully utilise this potential, exergames need to promote moderate-to-vigorous physical activity; need to be tailored to the individual user; and need to be more engaging. The SmartLife project aims to create such an exergame. The SmartLife exergame will be: 1) a mobile game requiring lower body movements; 2) combined with a smart textile that provides immediate physiological feedback (e.g. heart rate, respiration) and ensures exercises are performed at a moderate-to-vigorous intensity level; 3) tailored to individual user's needs, using the smart textile data, and based on available evidence and big data analysis; 4) highly engaging, e.g. by adding a narrative and context information, and using user input throughout the design ('participatory development'). The project includes extensive testing and dissemination of results. Market analysis will explore commercial business opportunities (e.g. technology-based connected health) and social marketing opportunities (e.g. via schools). The SmartLife project proposes a technological innovation via integration of exergames and smart textiles, to optimally reach the exergaming's full market potential and effectively address the non-leisure purpose of health promotion among adolescents, as stipulated in the work programme.

Coordinator

KNOWLEDGEBIZ CONSULTING-SOCIEDADE DE CONSULTORIA EM GESTAO LDA
 CAMPUS FACULDADE DE CIENCIA E TECNOLOGIA UNIVERSIDADE DE LISBOA EDIFICIO
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Portugal

EU contribution: EUR 299 250

Participants

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EU contribution: EUR 152 012,5

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EU contribution: EUR 322 875

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EU contribution: EUR 223 750

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INDEED

Project ID: 722176

Funded under: [H2020-EU.1.3.1. - Fostering new skills by means of excellent initial training of researchers](#)

Innovative Nanowire DEvice Design

From 2017-02-01 **to** 2021-01-31, ongoing project

Project details

Total cost: EUR 4 000 457,52	Topic(s): MSCA-ITN-2016 - Innovative Training Networks
EU contribution: EUR 4 000 457,52	Call for proposal: H2020-MSCA-ITN-2016 See other projects for this call
Coordinated in: United Kingdom	Funding scheme: MSCA-ITN-ETN - European Training Networks

Objective

Nanowires (NWs) exhibit unique properties that make them potential building blocks for a variety of next generation NanoElectronics devices. Recent advances have shown that NWs with predefined properties can be grown, offering a new paradigm enabling functional device prototypes including: biosensors, solar cells, transistors, quantum light sources and lasers. The critical mass of scientific knowledge gained now needs to be translated into NW technologies for industry. FP7-MC NanoEmbrace (ITN) and FUNPROB (IRSES), made substantial contributions to NW research, producing excellent scientific and technological results (>100 journal papers published) and delivered outstanding training in nanoscience and transferable skills to ESRs.

Despite demonstrable scientific and technological advantages of NWs, NW-based technology concepts have not yet been translated into market-ready products, because industry and academia have not worked hand-in-hand to commercialize the research findings. Thus, it is essential that NW research is now directed towards customer-oriented scientific R&D; whilst applying innovative industrial design techniques to ensure rapid translation of the basic technologies into commercial devices.

This ambitious challenge requires close collaboration between academia and the nascent NW industry, combining the efforts of scientists and engineers to address market needs. Building upon our previous achievements, a team of leading scientific experts from top institutions in Europe, strengthened by experts in innovative design and industrial partners with an excellent track record of converting cutting edge scientific ideas into market products has formed the INDEED network to address this challenge. To enhance employability, INDEED will train young ESRs to become experts with a unique skill set that includes interdisciplinary scientific techniques, industrial experience through R&D secondments and innovative design skills.

Coordinator

UNIVERSITY OF DURHAM
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United Kingdom

EU contribution: EUR 546 575,76

Participants

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EU contribution: EUR 290 081,88

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EU contribution: EUR 525 751,2

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EU contribution: EUR 269 145,36

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EU contribution: EUR 263 659,32

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EU contribution: EUR 262 875,6

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EU contribution: EUR 265 226,76

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EU-XCEL

Project ID: 644801

Funded under:

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

Accelerating Entrepreneurial Learning across European Regions

From 2015-01-01 **to** 2017-06-30, ongoing project

Project details

<p>Total cost:</p> <p>EUR 1 791 219</p> <p>EU contribution:</p> <p>EUR 1 791 219</p> <p>Coordinated in:</p> <p>Ireland</p>	<p>Topic(s):</p> <p>ICT-35-2014 - Innovation and Entrepreneurship Support</p> <p>Call for proposal:</p> <p>H2020-ICT-2014-1 See other projects for this call</p> <p>Funding scheme:</p> <p>IA - Innovation action</p>
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Objective

Accelerating Entrepreneurial Learning across European Regions

There are a number of profound challenges facing the European Union. Despite the single market being in existence for quite some time, start-ups and entrepreneurs tend not to think European wide and business scaling is very fragmented. The entrepreneurial ecosystem is also fragmented and not joined up between countries. Unemployment levels are very high, with high rates of over 50% of under-25s among Mediterranean countries, such as Spain and Greece. Entrepreneurship in Europe lags behind the US, in terms of effectiveness, scale and impact.

Set in this context, the focus of the proposal is to develop more ICT entrepreneurs and this is adopted as the key objectives, which is the core outcomes required from the Horizon 2020 ICT 35 call. Specifically this programme sets out to train ICT entrepreneurs to be 'incubator ready' and this is informed by research into current practice in incubators across Europe. The Horizon 2020 is an ideal opportunity for Europe to enable a different breed of European ICT entrepreneurs. Some of the characteristics of achieving this include the need to spend an appropriate amount of time to allow ICT entrepreneurs develop the commercial skills, as well as the technical proposition.

This project will develop a network of ICT entrepreneurship creative physical and virtual spaces and coordinate European wide intensive entrepreneurial action training events called 'Start-up Scrums' between consortia members with international teams. The programme will cultivate a European entrepreneurial mind-set and pilot a 'Born European Enterprise' annual event. It is recognised that ICT enterprises take time to develop the technology. The proposal sets out to engage with 300 ICT students using an intensive training package over 4 months, starting with the 'start-up Scrums', continuing with virtual support via the EU Virtual Incubator and culminating with the best teams competing in the 'Born European Enterprise Challenge'. A key element of the programme is student exchange as well as staff exchange, which will enable cross-fertilisation.

This proposal is thematically focused on creating 'Born European Enterprises' and fulfills the three objectives of the Horizon 2020 2014 ICT 35 a, b & c call: a pan European competition (across over 10 MS), summer schools (Start-up Scrums) and supporting the creation of new virtual and physical ICT creative spaces (Athens). The ICT teams will have opportunities to pursue their new ventures in a number of European incubators, within the consortia. The action will combine ICT physical and virtual entrepreneurship spaces, which facilitate European collaboration and on-going support after workshop events.

Related information

Coordinator

UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK
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Ireland

EU contribution: EUR 447 398

Participants

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EU contribution: EUR 311 325

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EU contribution: EUR 251 570

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Greece

EU contribution: EUR 251 533

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EU contribution: EUR 280 360

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CRISS

Project ID: 732489

Funded under:

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

Demonstration of a scalable and cost-effective cloud-based digital learning infrastructure through the Certification of digital competences in primary and secondary schools

From 2017-01-01 **to** 2019-12-31, ongoing project

Project details

Total cost: EUR 6 048 440,18	Topic(s): ICT-22-2016 - Technologies for Learning and Skills
EU contribution: EUR 4 872 336,25	Call for proposal: H2020-ICT-2016-1 See other projects for this call
Coordinated in: United Kingdom	Funding scheme: IA - Innovation action

Objective

CRISS is a user-driven, flexible, scalable and cost-effective cloud-based digital learning ecosystem that allows the guided acquisition, evaluation and certification of digital competences in primary and secondary education, and easily scalable to other educational levels. CRISS proposes an innovative adaptive learning solution supported by the most advanced pedagogical methodologies and technologies that will be tested with a very large scale pilot with more than 490 schools including 25.400 students and 2.290 teachers across Europe.

CRISS aim to contribute to the modernisation of the educational and training system at different levels:

- Support schools and educational institutions in the definition and creation of a curricular programming aligned to European and national policies, encouraging the active participation of all teachers and creating an interdisciplinary framework and highly diversified contents, activities and educational experiences for the acquisition and evaluation digital competences of students.
- Offers teachers and students an adaptive and intelligent environment for personalizing the process of teaching and learning that allows them to easily and dynamically generate and integrate programming a wide variety of new learning experiences and integrate new methodologies, fostering a creative and motivating use of technologies focused on minimizing the distance between digital competences acquired at school and the required in the labour market.
- Through its learning analytics module CRISS can generate an innovative and unique student ICT Dynamic Profile, showing strengths and weaknesses, achievements, interests, skills acquired, certification and other recognition, on the one hand facilitating the personalization of teaching / learning, and on the other the entry into the labour world.
- Thanks to its evaluation and certification of digital competences will contribute to the standardization of digital competences at European level.

Coordinator

EXUS SOFTWARE LTD
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United Kingdom

United Kingdom

EU contribution: EUR 781 657,49

Participants

DOCUMENTA CREACIONES MULTIMEDIA AVANZADAS SL
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EU contribution: EUR 462 787,5

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EU contribution: EUR 564 287,5

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EU contribution: EUR 547 487,5

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EU contribution: EUR 166 250

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EU contribution: EUR 200 625

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Italy

Italy

EU contribution: EUR 473 968,75

SOCIEDAD ANDALUZA PARA EL DESARROLLO DE LAS TELECOMUNICACIONES SA
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Spain

Spain





EU contribution: EUR 388 022,51

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Next-Lab

Project ID: 731685

Funded under:

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

Next Generation Stakeholders and Next Level Ecosystem for CoLLaborative Science Education with Online Labs

From 2017-01-01 **to** 2019-12-31, ongoing project

Project details

Total cost: EUR 6 336 337,5	Topic(s): ICT-22-2016 - Technologies for Learning and Skills
EU contribution: EUR 4 917 713	Call for proposal: H2020-ICT-2016-1 See other projects for this call
Coordinated in: Netherlands	Funding scheme: IA - Innovation action

Objective

Next-Lab intends to change the educational landscape of science and technology education in Europe on a very large scale. The project offers a unique and extensive collection of interactive online (virtual and remote) laboratories that, through a process of mixing and re-use, can be straightforwardly and efficiently combined with dedicated support tools (learning apps) and multimedia material to truly form open, cloud-based, shareable educational resources with an embedded pedagogical structure. Next-Lab offers extensive opportunities for localisation and personalisation together with analytics facilities monitoring students' progress and achievements. Next-Lab is designed to rely on full co-creation with users in combination with rapid development and testing cycles. Next-Lab builds on the highly successful (FP7) Go-Lab project that already offers online labs, inquiry learning apps, and authoring facilities for inquiry learning. To amplify the existing impact to the next-level innovation stage, Next-Lab extends the Go-Lab system with tools for the learning of 21st century skills, facilities for self- and peer-assessment and portfolio development, as well as opportunities to include learning by modeling. Next-Lab will cover secondary and also primary education, to ensure an early positive attitude towards science and technology and the continuous availability of innovative learning material throughout students' school career. To guarantee long-term impact, Next-Lab also addresses the teachers of the future by its presence in pre-service teacher training programs throughout Europe. To evaluate its impact, Next-Lab combines usage data analysis techniques for very large-scale pilots with in-depth, qualitative, case-based, assessments. Next-Lab prepares for a following sustainable stage of the product. As it builds upon and extends existing networks of teachers, professional associations, and policymakers, the impact of Next-Lab will be massive.

Coordinator

UNIVERSITEIT TWENTE
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Netherlands

Netherlands

EU contribution: EUR 1 336 900

Participants

Participants

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE BATIMENT CE 3316 STATION 1 1015 LAUSANNE Switzerland	Switzerland EU contribution: EUR
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NUCLIO NUCLEO INTERACTIVO DE ASTRONOMIA ASSOCIACAO LARGO DOS TOPAZIOS 48-3FTE 2785817 SAO DOMINGOS DE RANA Portugal	Portugal EU contribution: EUR 465 625
ECOLE NORMALE SUPERIEURE DE LYON PARVIS RENE DESCARTES 15 69342 LYON France	France EU contribution: EUR 270 000
TURUN YLIOPISTO YLIOPISTONMAKI 20014 Turku Finland	Finland EU contribution: EUR 265 500
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MentorPitch

Project ID: 672479

Funded under:

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

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument

The commercial exploitation of mentorship programme outcome intelligence in the global corporate and university market.

From 2015-05-01 **to** 2015-09-30, closed project

Project details

<p>Total cost:</p> <p>EUR 71 429</p> <p>EU contribution:</p> <p>EUR 50 000</p> <p>Coordinated in:</p> <p>Ireland</p>	<p>Topic(s):</p> <p>ICT-37-2014-1 - Open Disruptive Innovation Scheme (implemented through the SME instrument)</p> <p>Call for proposal:</p> <p>H2020-SMEINST-1-2014 See other projects for this call</p> <p>Funding scheme:</p> <p>SME-1 - SME instrument phase 1</p>
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Objective

The MentorPitch platform www.mentorpitch.com is highly disruptive in a global mentoring context. It is the first platform to automate the management and measurement of large scale mentoring programmes. MentorPitch measures the outcomes of mentoring programmes in a corporate and education environment. MentorPitch is a Software as a Service (SAAS) cloud-based business. The platform automates the management and measurement of mentorship programmes, thereby reducing the administration time of managing a programme. It is impossible for humans to manually manage and measure the outcomes of large scale mentorships that occur in a mentoring programme. Corporate and university mentoring programme managers face one common problem – how to manually manage a mentoring programme and capture the outcomes of all the mentorships in a specific programme.

Our objectives for this project are:

- 1) To commercially validate the outcome intelligence for university student-alumni mentoring programmes and workplace (multinational/corporate) mentoring programmes. We will do so by engaging closely with our current customers (Dublin City University, Transterra Media) and pipeline customers (University of Warwick, INSEAD, HEC Paris, Harvard Business School and corporate mentoring customers) to develop and capture outcomes using our in-house developed technology for large scale mentorship programmes.
- 2) The mentor-mentee matching algorithm (based on common skills areas, skills to develop, work experience, education, location and availability), will be developed further and tested to take into account the outcomes of previous mentorships.
- 3) Prepare a complete Phase 2 business and commercialisation plan, suitable for an SME-Instrument Phase 2 application, including a localisation plan. In phase 2 we plan to localise the content and mobile applications for all key European and international markets, including France, Germany, Italy, Spain, Netherlands, US, Japan and China.

Related information

Top Stories

[Periodic Reporting for period 1 - MentorPitch \(The commercial exploitation of mentorship programme outcome intelligence in the global corporate and](#)

Coordinator

THE KEY RESOURCE COMMUNICATIONS LIMITED
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EU contribution: EUR 50 000

Last updated on 2016-03-18

Retrieved on 2017-06-11

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MediaRoad

Project ID: 761412

Funded under:

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

MediaRoad - European Media Ecosystem for Innovation

From 2017-09-01 **to** 2019-08-31, Grant Agreement signed

Project details

Total cost: EUR 994 187,5	Topic(s): ICT-19-2017 - Media and content convergence
EU contribution: EUR 994 187,5	Funding scheme: CSA - Coordination and support action
Coordinated in: Belgium	

Objective

The European audiovisual and radio sector has long led the world in its collaborative development of technology, standards and content. Due to media convergence and global competition, media organizations now face challenges from disruptive technology and business models. New policy agendas require their proactive and coordinated attention. Despite these challenges, EU media players have many advantages: they produce much of the quality content shared on social media, invest heavily in R&D, and are well placed to launch dynamic collaborative innovations. To further this substantial legacy, a consortium of public and commercial broadcasters, creative producers and research bodies now proposes to launch MediaRoad, a highly innovative coordination project with three interconnected Hubs:

- The Sandbox Hub will enable media organizations to create a series of interlinked incubators, or Sandboxes, where SMEs can test and scale innovative concepts in operational environments. Each Sandbox will offer workspace, infrastructure and internal support for short periods. The Hub will create a toolkit, support Sandbox launches, and attract startups.
- The Policy Hub will develop a policy vision for the whole radio and AV sector on topics such as the EU research agenda, data, 5G, security, immersive media, investment, training and regulatory issues. It will hold workshops, share updates, draft vision documents and link to other research projects.
- The Network Hub will create a series of events to bring together broadcasters, researchers, content creators, technologists and entrepreneurs to inspire collaborations and share knowledge. Topics will include social media, post-convergence radio, multi-platform content, new audience measurements and robot journalism.

MediaRoad will turn EU diversity into opportunities, help organizations become more competitive and ultimately benefit audiences with better content, better delivered.

Coordinator

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Belgium

Belgium

EU contribution: EUR 266 875

Participants

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Belgium

EU contribution: EUR 133 125

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Germany

EU contribution: EUR 198 625

BRITISH BROADCASTING CORPORATION
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United Kingdom

EU contribution: EUR 56 625

ASSOCIATION EUROPEENNE DES RADIOS
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Belgium

Belgium

EU contribution: EUR 51 250

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France

France

EU contribution: EUR 33 000

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE
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1015 LAUSANNE
Switzerland

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EU contribution: EUR 62 187,5

INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM
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EU contribution: EUR 151 875

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EU contribution: EUR 40 625

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FALCON

Project ID: 636868

Funded under: H2020-EU.2.1.5.1. - Technologies for Factories of the Future

Feedback mechanisms Across the Lifecycle for Customer-driven Optimization of iNnovative product-service design

From 2015-01-01 **to** 2017-12-31, ongoing project

Project details

<p>Total cost: EUR 5 098 268,25</p> <p>EU contribution: EUR 4 594 973</p> <p>Coordinated in: Germany</p>	<p>Topic(s): FoF-05-2014 - Innovative Product-Service design using manufacturing intelligence</p> <p>Call for proposal: H2020-FoF-2014 See other projects for this call</p> <p>Funding scheme: RIA - Research and Innovation action</p>
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Objective

The undergoing transformation in our current socio-economic models, led by the advent of emerging technologies, has changed the relation of customers to products and services. Customers play no longer a passive role in the product and service development process as they express their product and service experiences and opinions through several channels such as discussion forums, blogs, chat, idea voting, and more. In addition, sensor systems in combination with products incorporated in the Internet of Things (IoT), are becoming increasingly common. The potential endless amounts of available information offer a rich ground for value creation in the product-service innovation chain. In this context FALCON envisions to provide a framework to enable the realization of new products and value-adding services, resulting from user-experiences and product and related services usage; undertaken with the principles of sustainability and social responsibility. FALCON will create impact through the following objectives: First the project will address product-service information collection through collaborative intelligence and Product Embedded Information Devices. Second, it will enable new mechanisms for product-service knowledge representation, exploitation, openness and diffusion. Third, it will strengthen collaboration and new product-service development through new feedback and feed forward mechanisms in the product life-cycle. Fourth, FALCON will explore manufacturing intelligence to support innovative product-services design and finally FALCON will improve product-service lifecycle assessment approaches through the real-time collection of product-service usage information and related experiences. The project is driven by a consortium of highly recognized researchers (BIBA, EPFL, TU Delft), experienced solution providers (UBITECH, Holonix, Softeco, i-Deal) and industrial companies (Arcelik, Philipps, Dena Cashmere, DATAPIXEL, Vinci Consulting).

Related information

Top Stories

[Periodic Reporting for period 1 - FALCON \(Feedback mechanisms Across the Lifecycle for Customer-driven Optimization of iNnovative product-service design\)](#)

Coordinator

BIBA - BREMER INSTITUT FUER PRODUKTION UND LOGISTIK GMBH
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Germany

EU contribution: EUR 812 552

Participants

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Switzerland

EU contribution: EUR

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EU contribution: EUR 440 956

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EU contribution: EUR 322 500

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EU contribution: EUR 559 500

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EU contribution: EUR 185 312,5

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Turkey

EU contribution: EUR 355 625

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EU contribution: EUR 503 652,5

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EU contribution: EUR 224 500

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EU contribution: EUR 313 000

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EU contribution: EUR 271 467,39

ISADEUS
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EU contribution: EUR 66 032,61

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INNOV-ACTIS

Project ID: 643368

Funded under: [H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs](#)

INNOV-ACTIS

From 2014-05-01 **to** 2014-12-31, closed project

Project details

Total cost: EUR 56 000	Topic(s): INNOSUP - INNOSUP
EU contribution: EUR 44 800	Call for proposal: H2020-Adhoc-2014-20 See other projects for this call
Coordinated in: Spain	Funding scheme: CSA - Coordination and support action

Objective

The objective of this project is to provide innovation support services to SMEs in the regions covered by the consortium members. These innovation support services will be differentiated for two groups of SMEs:

- SMEs that have been selected as beneficiaries of the SME instrument, phase 1 or phase 2. For these companies, the consortium members will offer Key Account Management (KAM) services, which are accompanying services for the SMEs to identify weaknesses in their innovation capacities and suitable external coaches throughout their participation in the SME instrument.
- SMEs that have high potential for growth and internationalisation but that need to improve their innovation management capacities. These companies will receive direct assessment services from the consortium members in order to detect barriers and develop and implement an action plan in order to enhance such capacities and overcome the detected barriers.

Coordinator

INSTITUTO TECNOLOGICO DE ARAGON
MARIA DE LUNA 8
50018 ZARAGOZA
Spain

Spain

EU contribution: EUR 8 265

Participants

AGENCIA DE DESARROLLO ECONOMICO DE LA RIOJA
Muro de la mata 13-14
26071 LOGRONO
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Spain

EU contribution: EUR 4 835

ASOCIACION DE LA INDUSTRIA NAVARRA
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EU contribution: EUR 4 865

CONFEDERACION DE EMPRESARIOS DE ARAGON
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Spain

EU contribution: EUR 1 445

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EU contribution: EUR 6 725

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EU contribution: EUR 9 035

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EU contribution: EUR 6 200

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EU contribution: EUR 3 430

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MOS-QUITO

Project ID: 688539

Funded under:

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

MOS-based Quantum Information Technology

From 2016-04-01 **to** 2019-03-31, ongoing project

Project details

Total cost: EUR 3 973 361,25	Topic(s): ICT-25-2015 - Generic micro- and nano-electronic technologies
EU contribution: EUR 3 450 622	Call for proposal: H2020-ICT-2015 See other projects for this call
Coordinated in: France	Funding scheme: RIA - Research and Innovation action

Objective

Quantum computing is now widely regarded by many in academia, governments and industry to represent a major new frontier in information technology with the potential for a disruptive impact. Many different materials and approaches have been explored, with a narrowing of focus in recent years on scalable implementations based on solid state platforms. In particular, there is now strong evidence that silicon, the primary platform technology for today's processor technology, inherently possesses many key properties that make it advantageous for quantum computing. Two types of qubit based on spins in silicon nano-devices made in academic research labs have already been reported with demonstrated high-fidelity operation. Our project builds on this success and aims to take this technology to the next readiness level by showing that silicon-based qubits can be realised within a full CMOS platform, using the 300mm-scale fabrication facilities in our consortium. In doing so we will demonstrate the true potential of silicon based qubits in terms of scalability and manufacturability.

Our focus is on distilling the silicon device design down to the simplest core element necessary to demonstrate qubit behaviour, in order to lay the foundation for a scalable technology. We will design, model and fabricate these qubit devices, and then benchmark them using key operating parameters. Our attention is not limited at the lowest level technology layer where the qubits reside, and includes higher control layers necessary to operate such devices, including demonstrating strategies for achieving local control and readout in large-scale arrays without cross-talk and developing cryo-CMOS electronics to support the qubit operation. Both of these may be spun-out and yield their own technological impacts. Thus, our holistic approach offers a wider opportunity to harness the tremendous proven capabilities of integrated CMOS technology to become a key driver of quantum technology development.

Coordinator

COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
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France

EU contribution: EUR 1 146 568

Participants

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United Kingdom

EU contribution: EUR 456 061

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Denmark

EU contribution: EUR 491 007

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EU contribution: EUR 450 000

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Switzerland

EU contribution: EUR

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EU contribution: EUR 422 500

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EU contribution: EUR 484 486

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INNOVACTIS 2017-2018

Project ID: 744181

Funded under: [H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs](#)

INNOVACTIS 2017-2018

From 2017-01-01 **to** 2018-12-31, ongoing project

Project details

Total cost: EUR 247 910	Topic(s): H2020-SGA2-EEN - H2020 2D CONSULTATION EEN
EU contribution: EUR 247 910	Call for proposal: H2020-EEN-SGA2-2017-2018 See other projects for this call
Coordinated in: Spain	Funding scheme: H2020-EEN-SGA - Specific Grant Agreement Enterprise Europe Network (EEN)

Objective

The objective of this project is to provide innovation support services in 2017 and 2018 to SMEs in the regions covered by the consortium members. These innovation support services will be differentiated for two groups of SMEs: a) SMEs that have been selected as beneficiaries of the SME instrument, phase 1 or phase 2. For these companies, the consortium members will offer Key Account Management (KAM) services, which are accompanying services for the SMEs to identify weaknesses in their innovation capacities and suitable external coaches throughout their participation in the SME instrument. b) SMEs that have high potential for growth and internationalisation but that need to improve their innovation management capacities. These companies will receive direct assessment services from the consortium members in order to detect barriers and develop and implement an action plan in order to enhance such capacities and overcome the detected barriers.

Coordinator

INSTITUTO TECNOLOGICO DE ARAGON
MARIA DE LUNA 8
50018 ZARAGOZA
Spain

Spain

EU contribution: EUR 32 241,25

Participants

AGENCIA DE DESARROLLO ECONOMICO DE LA RIOJA
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Spain

EU contribution: EUR 18 087,5





ASOCIACION DE LA INDUSTRIA NAVARRA CARRETERA DE PAMPLONA 31191 CORDOVILLA Spain	Spain EU contribution: EUR 19 762,5
CAMARA DE COMERCIO E INDUSTRIA DE TOLEDO PLAZA DE SAN VICENTE 3 45001 TOLEDO Spain	Spain EU contribution: EUR 24 306,25
CONFEDERACION DE EMPRESARIOS DE ARAGON AVENIDA RANILLAS 20 50015 ZARAGOZA Spain	Spain EU contribution: EUR 24 575
CONFEDERACION DE EMPRESARIOS DE ALBACETE CALLE DE LOS EMPRESARIOS, 6 02005 ALBACETE Spain	Spain EU contribution: EUR 19 531,25
FEDERACION DE EMPRESARIOS DE LA RIOJA CALLE HERMANOS MOROY 8/4 26001 LOGRONO Spain	Spain EU contribution: EUR 16 668,75
FUNDACION FUNDECYT - PARQUE CIENTIFICO Y TECNOLOGICO DE EXTREMADURA AVENIDA DE ELVAS CAMPUS UNIVERSITARIO EDIFICIO PARQUE CIENTI 06071 BADAJOZ Spain	Spain EU contribution: EUR 49 506,25
UNIVERSIDAD DE CASTILLA - LA MANCHA Calle Altagracia 50 13071 CIUDAD REAL Spain	Spain EU contribution: EUR 25 118,75
UNIVERSIDAD DE NAVARRA CAMPUS UNIVERSITARIO EDIFICIO CENTRAL 31080 PAMPLONA Spain	Spain EU contribution: EUR 18 112,5

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INSPIREWater

Project ID: 723702

Funded under:

H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries

Innovative Solutions in the Process Industry for next generation Resource Efficient Water management

From 2016-10-01 **to** 2020-03-31, ongoing project

Project details

<p>Total cost: EUR 7 621 135</p> <p>EU contribution: EUR 5 396 274,75</p> <p>Coordinated in: Sweden</p>	<p>Topic(s): SPIRE-01-2016 - Systematic approaches for resource-efficient water management systems in process industries</p> <p>Call for proposal: H2020-SPIRE-2016 See other projects for this call</p> <p>Funding scheme: IA - Innovation action</p>
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Objective

INSPIREWATER demonstrates a holistic approach for water management in the process industry using innovative technology solutions from European companies to increase water and resource efficiency in the process industry. This will put Europe as a leader on the world market for segments in industrial water treatment which will create new high skilled jobs in Europe.

With extended collaboration between technology providers including innovative SME's, world-wide active companies in the chemical and steel industries and research organizations, this project also contributes to the aims of the SPIRE SRA, the European Innovation Partnership (EIP) on 'Water' and to the aims of the Commission's Roadmap on Resource efficiency, supporting effective implementation of European directives and policies in the water management area. INSPIREWATER addresses non-technical barriers as well as technical, as innovation needs both components and demonstrates them in the steel and chemical industry. A flexible system for water management in industries that can be integrated to existing systems is worked out and demonstrated to facilitate implementation of technical innovations. Technical innovations in the area of selected membrane technologies, strong field magnetic particle separator, and a catalyst to prevent biofouling are demonstrated, including valorisation of waste heat. This will increase process water efficiency as well as resource, water and energy savings in the process industry.

The development and demonstration work is combined with a strong emphasis on exploitation and dissemination. Specific exploitation strategies are developed for the different solutions in INSPIREWATER. Dissemination targets different target groups: Stakeholders in different process industry also beyond the involved ones, e.g. Pulp and paper, but also policy makers based on the findings of the project.

Coordinator

IVL SVENSKA MILJÖINSTITUTET AB
Valhallavaegen 81
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Sweden

Sweden

EU contribution: EUR 1 141 532,5

Participants

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FACHHOCHSCHULE NORDWESTSCHWEIZ BAHNHOFSTRASSE 6 5210 WINDISCH Switzerland	Switzerland EU contribution: EUR
CLARIANT IBERICA PRODUCCION SA BAIX LLOBREGAT 3 08970 SANT JOAN DESPI Spain	Spain EU contribution: EUR 1 120 000
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SANDVIK MATERIALS TECHNOLOGY AB Asgatan 1 81181 SANDVIKEN Sweden	Sweden EU contribution: EUR 160 281
BLUE-TEC B.V. INDUSTRIEWEG 16 6871 KA RENKUM Netherlands	Netherlands EU contribution: EUR 444 675
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MOL KATALYSATORTECHNIK GMBH FRITZ HABER STRASSE 9 06217 MERSEBURG Germany	Germany EU contribution: EUR 175 875
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Z-Fact0r

Project ID: 723906

Funded under: H2020-EU.2.1.5.1. - Technologies for Factories of the Future

Zero-defect manufacturing strategies towards on-line production management for European factories

From 2016-10-01 **to** 2020-03-31, ongoing project

Project details

<p>Total cost: EUR 6 043 018,75</p> <p>EU contribution: EUR 4 206 252,88</p> <p>Coordinated in: Greece</p>	<p>Topic(s): FOF-03-2016 - Zero-defect strategies at system level for multi-stage manufacturing in production lines</p> <p>Call for proposal: H2020-FOF-2016 See other projects for this call</p> <p>Funding scheme: IA - Innovation action</p>
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Objective

Manufacturing represents approximately 21 % of the EU's GDP and 20 % of its employment, providing more than 30 million jobs in 230 000 enterprises, mostly SMEs. Moreover, each job in industry is considered to be linked to two more in related services. European manufacturing is also a dominant element in international trade, leading the world in areas such as automotive, machinery and agricultural engineering. Already threatened by both the lower-wage economies and other high-tech rivals, the situation of EU companies was even made more difficult by the downturn. The Z-Fact0r consortium has conducted an extensive state-of-the-art research (see section 1.4) and realised that although a number of activities (see section 1.3) have been trying to address the need for zero-defect manufacturing, still there is a vast business opportunity for innovative, high-ROI (Return on Investment) solutions to ensure, better quality and higher productivity in the European manufacturing industries.

The Z-Fact0r solution comprises the introduction of five (5) multi-stage production-based strategies targeting (i) the early detection of the defect (Z-DETECT), (ii) the prediction of the defect generation (Z-PREDICT), (iii) the prevention of defect generation by recalibrating the production line (multi-stage), as well as defect propagation in later stages of the production (Z-PREVENT), (iv) the reworking/remanufacturing of the product, if this is possible, using additive and subtractive manufacturing techniques (Z-REPAIR) and (v) the management of the aforementioned strategies through event modelling, KPI (key performance indicators) monitoring and real-time decision support (Z-MANAGE).

To do that we have brought together a total of thirteen (13) EU-based partners, representing both industry and academia, having ample experience in cutting-edge technologies and active presence in the EU manufacturing.

Coordinator

ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS
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Greece

EU contribution: EUR 627 500

Participants

CENTER FOR TECHNOLOGY RESEARCH AND INNOVATION (CETRI) LTD THESSALONIKIS 1 NIKOMAOU PENTADROMOS CENTER FLAT OFFICE 607 BLOCK A 3025 LIMASSOL Cyprus	Cyprus EU contribution: EUR 494 375
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ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE BATIMENT CE 3316 STATION 1 1015 LAUSANNE Switzerland	Switzerland EU contribution: EUR
HOLONIX SRL-SPIN OFF DEL POLITECNICO DI MILANO PIAZZA LEONARDO DA VINCI 32 20133 MILANO Italy	Italy EU contribution: EUR 311 500
DATAPIXEL SL Carretera Asua 6 48930 Getxo Spain	Spain EU contribution: EUR 253 750
MICROSEMI SEMICONDUCTOR LIMITED PHASE 2 CASTLEGATE BUSINESS PARK NP26 5YW GWENT United Kingdom	United Kingdom EU contribution: EUR 173 705
INTERSEALS SRL VIA LIGURIA 30 25031 CAPRIOLO Italy	Italy EU contribution: EUR 308 281,75
SERVIZI CONFINDUSTRIA BERGAMO SRL VIA CLARA MAFFEI 3 24121 BERGAMO Italy	Italy EU contribution: EUR 127 750
INOVAMAI - SERVICOS DE CONSULTADORIA EM INOVACAO TECNOLOGICA S.A. RUA DR AFONSO CORDEIRO 567 4450-309 MATOSINHOS Portugal	Portugal EU contribution: EUR 188 562,5
SIR SPA STRADA CANALETTO CENTRO 450 41100 MODENA Italy	Italy EU contribution: EUR 440 125

DURIT METALURGIA PORTUGUESA DO TUNGSTENIO LDA
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3854 909 ALBERGARIA-A-VELHA
Portugal

Portugal

EU contribution: EUR 211 196,13

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BADGER

Project ID: 731968

Funded under:

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

RoBot for Autonomous unDerGround trenchless opERations, mapping and navigation

From 2017-01-01 **to** 2019-12-31, ongoing project

Project details

Total cost: EUR 3 698 003,75	Topic(s): ICT-25-2016-2017 - Advanced robot capabilities research and take-up
EU contribution: EUR 3 698 003,5	Call for proposal: H2020-ICT-2016-1 See other projects for this call
Coordinated in: Spain	Funding scheme: RIA - Research and Innovation action

Objective

The goal of the proposed project is the design and development of the BADGER autonomous underground robotic system that can drill, manoeuvre, localise, map and navigate in the underground space, and which will be equipped with tools for constructing horizontal and vertical networks of stable bores and pipelines. The proposed robotic system will enable the execution of tasks that cut across different application domains of high societal and economic impact including trenchless constructions, cabling and pipe installations, geotechnical investigations, large-scale irrigation installations, search and rescue operations, remote science and exploration, and defence applications. For this purpose, BADGER will deliver a highly innovative robotic system by integrating research into all required novel technical advances. BADGER will integrate innovative mechatronic concepts with robust industrial drilling tools to yield advanced manoeuvrability and motion capability; will integrate perception, localisation and mapping techniques in order to sense map and interpret the surrounding underground environment; the system will merge collected underground data with legacy digital maps to plan and track the motion of the robot with respect to physical landmarks. The robotic system actions and reactions will be governed by the cognition component which makes decisions on task execution, path planning and motion planning. Finally, the robotic system will be capable to manage and intelligently combine the massive data gathered during underground operation so as to continuously improve its perception and cognition abilities whilst also providing human users the means to store, process and analyse this data, thus enabling the efficient off-line planning and on-line remote monitoring and control of the overall operation process.

Coordinator

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Spain

EU contribution: EUR 744 061,25

Participants

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EU contribution: EUR 600 536

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Greece

Greece

EU contribution: EUR 450 000

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Italy

EU contribution: EUR 401 656,25

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Greece

EU contribution: EUR 550 000

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EU contribution: EUR 576 750

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EU contribution: EUR 375 000

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VERTIGO

Project ID: 732112

Funded under:

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

Adding socio-economic value to industry through the integration of artists in research and open innovation processes.

From 2016-12-01 **to** 2020-05-31, ongoing project

Project details

Total cost: EUR 4 248 581,25	Topic(s): ICT-36-2016 - Boost synergies between artists, creative people and technologists
EU contribution: EUR 3 998 655	Call for proposal: H2020-ICT-2016-1 See other projects for this call
Coordinated in: France	Funding scheme: CSA - Coordination and support action

Objective

The VERTIGO project provides a major opportunity to develop more inclusive, intercultural, and thus productive and innovative approaches to the participation of artists in ICT research activities and for promoting synergies between creative arts, businesses, research organizations and the society at general. If the digital economy of Europe is to prosper over the long term, then its full and diverse talent base must be effectively engaged into new and innovative research projects with commercial viability, and research, business, investment and art communities must work together towards these endeavours. Our proposal will fully support these objectives and contribute to set new policies for creating and nurturing links between Arts, Science & Technology in the ICT sector.

The project will build from the H2020 ICT36-2016 call objectives and guideline of activities in order to propose a fresh approach, targeted specifically at the deployment of a brokerage service for integration of artists in ICT research & innovation projects and promotion of synergy between ICT research & business communities, entrepreneurs, investors and arts.

We strongly believe in the role of arts and ICT as a trigger for business development and a catalyzer to Science, Technology, Engineering and Mathematics (STEM) promptness to innovate. We therefore situate our action in the framework of the STARTS (Science, Technology and the Arts) initiative supported by the European Commission with the aim of linking R&D and innovation with the art world including design and creative industries.

We will build on the new Art-Innovation Forum, announced by Centre Pompidou's President Serge Lasvignes in September 2015, and will aim at expanding IRCAM's unique and successful model of R&D&I in sound and music technologies driven by creation in performing arts to other artistic disciplines (visual arts, architecture, design...) with a high public exposure, while also relying on other validated approaches across Europe and on a strong network of artistic organisations that will allows to tap into the potential of creators and artists for enhancing the innovation process.

Coordinator

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EU contribution: EUR 1 392 875

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EU contribution: EUR 960 625

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EU contribution: EUR 343 780

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EU contribution: EUR 221 000

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EU contribution: EUR

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EU contribution: EUR 309 750

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AutoDrive

Project ID: 737469

Funded under: [H2020-EU.2.1.1.7. - ECSEL](#)

Advancing fail-aware, fail-safe, and fail-operational electronic components, systems, and architectures for fully automated driving to make future mobility safer, affordable, and end-user acceptable.

From 2017-05-01 **to** 2020-04-30, ongoing project

Project details

<p>Total cost:</p> <p>EUR 65 107 904,17</p> <p>EU contribution:</p> <p>EUR 16 250 000</p> <p>Coordinated in:</p> <p>Germany</p>	<p>Topic(s):</p> <p>ECSEL-2016-1 - ECSEL Key Applications and Essential technologies (RIA)</p> <p>Call for proposal:</p> <p>H2020-ECSEL-2016-1-RIA-two-stage See other projects for this call</p> <p>Funding scheme:</p> <p>ECSEL-RIA - ECSEL Research and Innovation Action</p>
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Objective

Automated driving is a disruptive technology which opens the door to future multi-billion markets providing business opportunities to value chains in automotive and semiconductor industry. The European industry has leading competitive strength in the development and manufacturing of highly reliable electro-mechanical systems. In order to preserve this capability Europe needs to setup European standards for high level control such as real-time computing or big data processing. In order to respond on the global challenge AutoDrive has gathered Europe's leading semiconductor companies, suppliers, OEMs, and research institutes committed to create a pan-European eco-system, which has the critical mass to initiate standards and provides the components and subsystems for automated driving. Currently, even the most sophisticated vehicle automation technology on the road is not able to surpass human driving capabilities – especially considering context awareness in any situation. Moreover, there is no common agreement on quantifiable dependability measures which hardware and embedded software have to achieve to allow safe automated driving for SAE Levels 3-5. AutoDrive aims for the design of (i) fail-aware (self-diagnostics), (ii) fail-safe, (iii) fail-operational (HW and SW redundancy) electronic components and systems architecture that enable the introduction of automated driving in all car categories. AutoDrive results will significantly contribute to safer and more efficient mobility. It will raise end-user acceptance and comfort by supporting drivers in highly challenging situations (active safety) as well as in regular driving situations. Combining both will reduce the number of road fatalities especially in rural scenarios and under adverse weather conditions. AutoDrive will contribute to Europe's Vision Zero and to improved efficiency. This will sustain Leadership and even grow the market position of all AutoDrive partners.

Coordinator

INFINEON TECHNOLOGIES AG
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Germany

EU contribution: EUR 1 722 562,75

Participants

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AVL LIST GMBH HANS-LIST-PLATZ 1 8020 GRAZ Austria	Austria EU contribution: EUR 531 876,41
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ELEKTRONIKAS UN DATORZINATNU INSTITUTS DZERBENES IELA 14 1006 RIGA Latvia	Latvia EU contribution: EUR 85 918
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NEXTOWER

Project ID: 721045

Funded under:

H2020-EU.2.1.2. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Nanotechnologies

H2020-EU.2.1.3. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced materials

Advanced materials solutions for next generation high efficiency concentrated solar power (CSP) tower systems

From 2017-01-01 **to** 2020-12-31, ongoing project

Project details

<p>Total cost:</p> <p>EUR 6 307 851,25</p> <p>EU contribution:</p> <p>EUR 4 999 777,88</p> <p>Coordinated in:</p> <p>Italy</p>	<p>Topic(s):</p> <p>NMBP-17-2016 - Advanced materials solutions and architectures for high efficiency solar energy harvesting</p> <p>Funding scheme:</p> <p>IA - Innovation action</p>
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Objective

NEXTOWER shall introduce a set of innovative materials to boost the performance of atmospheric air-based concentrated solar power (CSP) systems to make them commercially viable. In particular, tower systems are appealing for the great environmental compatibility and offer tremendous potential for efficient (electrical and thermal) power generation. Yet, their industrial exploitation has been so far hindered by limitations in the materials used both for the central receiver - the core component - and for thermal storage. Such limitations dictate maximum working temperature and in-service overall durability (mainly driven by failure from thermal cycling and thermal shocks). Improving the efficiency of a tower system entails necessarily improving the central receiver upstream and possibly re-engineering the whole systems downstream to work longer and at much higher temperature, especially in the thermal storage compartment.

NEXTOWER will address this need by taking a comprehensive conceptual and manufacturing approach that will optimize bulk and joining materials for durability at the component level to achieve 25 years of maintenance-free continued service of the receiver and maximum thermodynamic efficiency at the system level. This is made possible through a unique combination of excellence in materials design and manufacturing, CSP full-scale testing facilities brought together in the Consortium, supporting the making of a new full scale demo SOLEAD (in Turkey) within the project. The successful achievement of a new generation of materials allowing for virtually maintenance free operations and increased working temperature shall result in the next-generation of air-coolant CSP highly competitive over other CSP alternatives and sustainable power supply options.

Coordinator

AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO
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EU contribution: EUR 732 250

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EU contribution: EUR 194 853,75

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EU contribution: EUR 100 012,5

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EU contribution: EUR

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CREA

Project ID: 644988

Funded under:

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

Network of summer academies for the improvement of entrepreneurship in innovative sectors

From 2015-01-01 **to** 2017-04-30, closed project

Project details

<p>Total cost:</p> <p>EUR 1 559 422,5</p> <p>EU contribution:</p> <p>EUR 1 468 896,37</p> <p>Coordinated in:</p> <p>Italy</p>	<p>Topic(s):</p> <p>ICT-35-2014 - Innovation and Entrepreneurship Support</p> <p>Call for proposal:</p> <p>H2020-ICT-2014-1 See other projects for this call</p> <p>Funding scheme:</p> <p>IA - Innovation action</p>
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Objective

CREA aims to promote ICT development and creativity as new drivers able to produce specific structural changes and arrangements in the European entrepreneurial base, to influence the future paths of social change and innovation to a large extent. CREA project wants to validate a new European Model of Summer Academy for students who wants to develop business ideas focus on creativity and ICT and able to explore innovation in advanced fields: new products for new markets, social innovation, meaning drive innovation in old sectors, service innovation, technology driven innovation etc. CREA will test 2 edition of Summer Academy simultaneously organized in 6 European Cities (Milan, Stuttgart, Ljubljana, Newcastle, Tallin, Utrecht), which will end with an international event (CREA ICT Business Idea Contest) for the presentation of results to international investors and the awarding of a prize.

The project includes training courses, mentoring activities and the incubation program for start up companies that will be able to use the opportunities of ICT and Creativity to propose new business model with a European vision.

The general objectives of CREA project are:

- To create European wide system of Summer Academies for university and last year high school students entirely focused on ICT entrepreneurship;
- To create a model of Summer Academy action oriented with a strong focus on ICT and entrepreneurial skills development and a rich offer of mentoring, support for business planning, matchmaking opportunities and generation of ICT related business idea;
- To stimulate the development of new start up business ideas boosting on ICT and creativity;
- To complement and extend similar existing Summer Academy program while strongly focusing on ICT and creativity entrepreneurship;
- To organize and promote ICT Business Idea Contests.

Related information

Top Stories

[Periodic Reporting for period 1 - CREA \(Network of summer academies for the improvement of entrepreneurship in innovative sectors\)](#)

Coordinator

POLITECNICO DI MILANO
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Italy

Italy
EU contribution: EUR 476 500

Participants

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United Kingdom
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EnSO

Project ID: 692482

Funded under: [H2020-EU.2.1.1.7. - ECSEL](#)

Energy for Smart Objects

From 2016-01-01 **to** 2019-12-31, ongoing project

Project details

<p>Total cost:</p> <p>EUR 82 265 195,88</p> <p>EU contribution:</p> <p>EUR 18 730 196,5</p> <p>Coordinated in:</p> <p>France</p>	<p>Topic(s):</p> <p>ECSEL-18-2015 - Smart Systems Integration</p> <p>Call for proposal:</p> <p>H2020-ECSEL-2015-2-IA-two-stage See other projects for this call</p> <p>Funding scheme:</p> <p>ECSEL-IA - ECSEL Innovation Action</p>
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Objective

The goal of EnSO is to develop and consolidate a unique European ecosystem in the field of autonomous micro energy sources (AMES) supporting Electronic European industry to develop innovative products, in particular in IoT markets.

In summary, EnSO multi-KET objectives are:

- Objective 1: demonstrate the competitiveness of EnSO energy solutions of the targeted Smart Society, Smart Health, and Smart Energy key applications
- Objective 2: disseminate EnSO energy solutions to foster the take-up of emerging markets.
- Objective 3: develop high reliability assembly technologies of shapeable micro batteries, energy harvester and power management building blocks
- Objective 4: Develop and demonstrate high density, low profile, shapeable, long life time, rechargeable micro battery product family.
- Objective 5: develop customizable smart recharge and energy harvesting enabling technologies for Autonomous Micro Energy Source "AMES".
- Objective 6: demonstrate EnSO Pilot Line capability and investigate and assess the upscale of AMES manufacturing for competitive very high volume production.

EnSO will bring to market innovative energy solutions inducing definitive differentiation to the electronic smart systems. Generic building block technologies will be customizable. EnSO manufacturing challenges will develop high throughput processes.

The ENSo ecosystem will involve all the value chain from key materials and tools to many demonstrators in different fields of application.

EnSO work scope addresses the market replication, demonstration and technological introduction activities of ECSEL Innovation Action work program.

EnSO relates to several of the Strategic Thrusts of ECSEL MASP. EnSO innovations in terms of advanced materials, advanced equipment and multi-physics co-design of heterogeneous smart systems will contribute to the Semiconductor Process, Equipment and Materials thrust. The AMES will be a key enabling technology of Smart Energy key applications.

Coordinator

STMicroelectronics (Tours) SAS
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France

EU contribution: EUR 2 874 216,01

Participants

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EU contribution: EUR 450 281,25

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EDITAG SAS EUROPARC SAINTE VICTOIRE BAT 6 13590 MEYREUIL France	France EU contribution: EUR 200 218,75
NORDSON BV BERGERSTRAAT, 8 6226 BD MAASTRICHT Netherlands	Netherlands EU contribution: EUR 342 046,88
UNIVERSITE FRANCOIS RABELAIS DE TOURS RUE DU PLAT D ETAIN 60 37020 TOURS France	France EU contribution: EUR 375 000
UNIVERSITE DE LORRAINE Cours Léopold CS 25233 - 54052 NANCY CEDEX France	France EU contribution: EUR 139 750
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV Hansastraße 27C 80686 München Germany	Germany EU contribution: EUR 615 625,5
PRAYON S.A RUE JOSEPH WAUTERS 144 4480 Engis Belgium	Belgium EU contribution: EUR 128 250
STMICROELECTRONICS DESIGN AND APPLICATION SRO POBREZNI 620 3 186 00 PRAHA Czech Republic	Czech Republic EU contribution: EUR 217 875
APPLIED MATERIALS GMBH & CO KG SIEMENSSTRASSE 100 63755 ALZENAU Germany	Germany EU contribution: EUR 501 991,88
EADS DEUTSCHLAND GMBH Willy-Messerschmitt-Strasse 85521 OTTOBRUNN Germany	Germany EU contribution: EUR 147 798,75
AED ENGINEERING GMBH TAUNUSSTRASSE 51 80807 MÜNCHEN Germany	Germany EU contribution: EUR 217 073,44
SKF FRANCE 34 AVENUE DES TROIS PEUPLES 78180 MONTIGNY LE BRETONNEUX France	France EU contribution: EUR 62 812,5

SKF BV KELVINBAAN 16 3439 MT NIEUWEGEIN Netherlands	Netherlands EU contribution: EUR 193 356,75
IDNEO TECHNOLOGIES SL POLIGONO INDUSTRIAL CAN MITJANS SN 08232 VIALDECAVALLS BARCELONA Spain	Spain EU contribution: EUR 297 444,38
GAS NATURAL SDG SA PLACA DEL GAS 1 08003 BARCELONA Spain	Spain EU contribution: EUR 329 542,5
O-FLEXX TECHNOLOGIES GMBH DR-ALFRED-HERRHAUSEN_ALLEE 20/22 47228 DUISBURG Germany	Germany EU contribution: EUR 215 875
VON ARDENNE GMBH AM HAHNWEG 8 01328 DRESDEN Germany	Germany EU contribution: EUR 53 171,63
SOLEMS SA RUE LEON BLUM 3 91120 PALAISEAU France	France EU contribution: EUR 275 927,5
Maastricht Instruments Universiteitsingel 50 6229 ER Maastricht Netherlands	Netherlands EU contribution: EUR 185 250
UNIVERSITEIT MAASTRICHT Minderbroedersberg 4-6 6200 MD MAASTRICHT Netherlands	Netherlands EU contribution: EUR 164 200
AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS CALLE SERRANO 117 28006 MADRID Spain	Spain EU contribution: EUR 266 857,5
CESKE VYSOKE UCENI TECHNICKE V PRAZE ZIKOVA 4 16636 PRAHA Czech Republic	Czech Republic EU contribution: EUR 388 000
OJMAR SA POLIGONO INDUSTRIAL LERUN S/N 20870 ELGOIBAR Spain	Spain EU contribution: EUR 107 387,5
UNIVERSITE DE LIEGE PLACE DU 20 AOUT 7 4000 LIEGE Belgium	Belgium EU contribution: EUR 518 700

ALPWISE
4 AVENUE DOYEN LOUIS WEIL IMMEUBLE LE PULSAR
38000 GRENOBLE
France

France

EU contribution: EUR 213 156,25

BASF SCHWEIZ AG
KLYBECKSTRASSE 141
4057 BASEL
Switzerland

Switzerland

EU contribution: EUR

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CIVITAS ECCENTRIC

Project ID: 690699

Funded under: [H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport](#)

Innovative solutions for sustainable mobility of people in suburban city districts and emission free freight logistics in urban centres.

From 2016-09-01 **to** 2020-08-31, ongoing project

Project details

<p>Total cost: EUR 19 307 741,64</p> <p>EU contribution: EUR 17 422 375,53</p> <p>Coordinated in: Spain</p>	<p>Topic(s): MG-5.5a-2015 - Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility</p> <p>Call for proposal: H2020-MG-2015_TwoStages See other projects for this call</p> <p>Funding scheme: IA - Innovation action</p>
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Objective

The cities of Madrid, Stockholm, Munich, Turku and Ruse have formed the CIVITAS ECCENTRIC consortium to tackle the challenges of mobility in suburban districts and clean, silent and CO2 free city logistics. In many cities, these two important areas have received less attention in urban mobility policies.

Though European cities have made significant steps forward in making city centres attractive and liveable urban nodes, there is a remaining conflict between providing high quality public space and meeting the accessibility requirements for freight deliveries. The suburban areas have remained largely unaddressed with a much higher car usage as a consequence. Recent or expected urban growth processes are posing additional pressure to peri-central areas, which face the specific challenges of:

- Becoming sufficiently appealing to avoid an unnecessary traffic flow towards to the city centre;
- Providing sustainable and high quality mobility options to enable and encourage car independent lifestyles; and
- Planning the urban future according to carbon neutral mobility principles.

ECCENTRIC will demonstrate and test the potential and replicability of integrated and inclusive urban planning approaches, innovative policies and emerging technologies to reach sustainable urban mobility objectives. The solutions will be implemented in 5 living laboratory areas in the outskirts that face high population growth and an increasing pressure on the existing transport networks.

As highlighted in the SUMP of the ECCENTRIC cities, this action on a wider geographical scale than the city centre is needed in order to meet the targets of the Transport White Paper in terms of air quality, energy use and CO2 emissions, road casualties and wide uptake of clean vehicles.

To reach CO2 free city logistics by 2030, ECCENTRIC will test clean vehicles and fuels, formulate new regulations and services and develop consolidation solutions in close partnerships with the private sector.

Coordinator

AYUNTAMIENTO DE MADRID
PLAZA DE LA VILLA 4
28005 MADRID
Spain

Spain

EU contribution: EUR 1 969 727

Participants

GRUPO DE ESTUDIOS Y ALTERNATIVAS 21SL - GEA 21
PLAZA PUERTA DEL SOL 13 - 5piso 5p
28013 MADRID
Spain
[See on map](#)

Spain

EU contribution: EUR 443 756,25

CONSORCIO REGIONAL DE TRANSPORTES DE MADRID
PLAZA DESCUBRIDOR DIEGO DE ORDAS 3
28003 MADRID
Spain

Spain

EU contribution: EUR 572 187,5

EMPRESA MUNICIPAL DE TRANSPORTES DE MADRID SA
CALLE CERRO DE LA PLATA 4
28007 MADRID
Spain

Spain

EU contribution: EUR 901 939,5

UNIVERSIDAD POLITECNICA DE MADRID
CALLE RAMIRO DE MAEZTU 7 EDIFICIO RECTORADO
28040 MADRID
Spain

Spain

EU contribution: EUR 370 406,25

AVIA INGENIERIA Y DISEÑO
CALLE FERNANDO GARRIDO 12
28015 MADRID
Spain

Spain

EU contribution: EUR 235 530,75

FM LOGISTIC CORPORATE
RUE DE L EUROPE ZONE INDUSTRIELLE
57370 PHALSBURG
France

France

EU contribution: EUR 364 328,13

INGENIERIA Y CONSULTORIA PARA EL CONTROL AUTOMATICO, SL
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28020 MADRID
Spain

Spain

EU contribution: EUR 78 295

STOCKHOLMS STAD
Fleminggatan 4
104 20 Stockholm
Sweden

Sweden

EU contribution: EUR 2 576 581,25

KUNGLIGA TEKNISKA HOEGSKOLAN
BRINELLVAGEN 8
100 44 STOCKHOLM
Sweden

Sweden

EU contribution: EUR 354 240

FLEXIDRIVE SVERIGE AB TEGELUDDSVAGEN 76 2TR 115 28 STOCKHOLM Sweden	Sweden EU contribution: EUR 206 227
UBIGO INNOVATION AB PREBENDEGATAN 26 418 77 GOTEBOG Sweden	Sweden EU contribution: EUR 106 290,63
MOBILITY MOTORS SWEDEN AB BOX 20197 161 02 BROMMA Sweden	Sweden EU contribution: EUR 170 035,25
CYKELKONSULTERNA SVERIGE AB PYRAMIDVAGEN 3 16956 SOLNA Sweden	Sweden EU contribution: EUR 98 306,25
GOMORE APS KOMPANGNISTRAEDE 20C 1208 KOBENHAVN Denmark	Denmark EU contribution: EUR 206 441,38
LANDESHAUPTSTADT MUENCHEN BURGSTRASSE 4 80331 MUENCHEN Germany	Germany EU contribution: EUR 2 469 287,14
DOMAGKPARK GENOSSENSCHAFT EG ABERLESTRASSE 16, RUCKGEBAUDE 81371 MUNCHEN Germany	Germany EU contribution: EUR 199 893,75
GREEN CITY EV LINDWURMSTR. 88 80337 MUNICH Germany	Germany EU contribution: EUR 564 337,5
GREEN CITY PROJEKT GMBH LINDWURMSTRASSE 88, 2 AUFANG, 5 STOCK 80337 MUENCHEN Germany	Germany EU contribution: EUR 318 543,75
TECHNISCHE UNIVERSITAET MUENCHEN Arcisstrasse 21 80333 MUENCHEN Germany	Germany EU contribution: EUR 440 125
CITY OF TURKU YLIPISTONKATU 27 A 20100 TURKU Finland See on map	Finland EU contribution: EUR 2 276 656,25
VARSINAIS-SUOMEN LIITTO RATAPIHANKATU 36 20100 TURKU Finland	Finland EU contribution: EUR 213 750

TURUN KAUPUNKILIIKENNE OY
LINNANKATU 13 A A5
20100 TURKU
Finland

Finland

EU contribution: EUR 203 481,25

WESTERN SYSTEMS OY
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Finland

EU contribution: EUR 64 050

TURUN AMMATTIKORKEAKOULU OY
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Finland

Finland

EU contribution: EUR 189 900

GASUM BIOVAKKA OY
AUTOKATU 8
20380 TURKU
Finland

Finland

EU contribution: EUR 289 887,5

Ruse Municipality
Svoboda sq 6
7000 Ruse
Bulgaria

Bulgaria

EU contribution: EUR 638 087,5

CLUB SUSTAINABLE DEVELOPMENT OF CIVIL SOCIETY ASSOCIATION
UL DOSPAT 28 VH A AP 8
1463 SOFIA
Bulgaria

Bulgaria

EU contribution: EUR 404 521,25

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79098 Freiburg
Germany

Germany





EU contribution: EUR 495 562,5

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GAMODRONE

Project ID: 751062

Funded under:

H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Game of Drones: Multimedia Streaming with Flying Terminals in Next Generation Mobile Networks

From 2017-06-01 **to** 2019-05-31, ongoing project

Project details

<p>Total cost:</p> <p>EUR 175 419,6</p>	<p>Topic(s):</p> <p>MSCA-IF-2016 - Individual Fellowships</p>
<p>EU contribution:</p> <p>EUR 175 419,6</p>	<p>Call for proposal:</p> <p>H2020-MSCA-IF-2016 See other projects for this call</p>
<p>Coordinated in:</p> <p>Switzerland</p>	<p>Funding scheme:</p> <p>MSCA-IF-EF-ST - Standard EF</p>

Objective

The use of civilian unmanned aerial vehicles (UAV) that allow capturing and streaming video in real-time is steadily increasing. One of the reasons for such interest is that the use of drones, either single units or in swarms, is currently being considered for reconnaissance missions in emergency situations such as earthquakes, radiation leakage in nuclear power plants or in case of a terrorist attack. More challenging applications such as package delivery services are also being considered, in which data speed, reliability and video quality are of paramount importance. Another promising application for civil UAV's is to help providing flexibility to beyond-5G networks. The main goal of the project (highest priority) is to study efficient adaptive video compression and streaming solutions for interactive and non-interactive omnidirectional video that allow making an efficient use of the available bandwidth while satisfying target delay and video quality requirements. In order to deal with the limited knowledge of the interference environment at the receiver side (which is a likely scenario for airborne terminals) I will study efficient interference management and multi-user detection techniques. In order to further optimize the bandwidth usage, the correlation between the information of different terminals (e.g., when two or more drones within a swarm are capturing partly overlapping panoramas) will be exploited, so that redundant information is kept at the minimum necessary. The secondary goal (lower priority) of the project is the study of how to efficiently exploit the unique UAV's mobility characteristics to provide additional coverage in congested network areas. This will be carried out by capitalizing on the results of the main goal. In particular, the channel characterization and the interference management techniques studied in the context of video streaming will be adapted to the use of drones as 3D-mobile gap-fillers.

Coordinator

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE
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 1015 LAUSANNE
 Switzerland

Switzerland

EU contribution: EUR 175 419,6

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FESTA

Project ID: 649956

Funded under:

H2020-EU.3.3.7. - Market uptake of energy innovation - building on Intelligent Energy Europe

Fostering local energy investments in the Province of Matera

From 2015-03-01 **to** 2017-08-31, ongoing project

Project details

<p>Total cost: EUR 498 157</p> <p>EU contribution: EUR 498 157</p> <p>Coordinated in: Italy</p>	<p>Topic(s): EE-20-2014 - Project development assistance for innovative bankable and aggregated sustainable energy investment schemes and projects</p> <p>Call for proposal: H2020-EE-2014-4-PDA See other projects for this call</p> <p>Funding scheme: CSA - Coordination and support action</p>
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Objective

FESTA has the overall objective to foster local energy investments on public buildings (primarily in schools, a significant target in Italy for energy efficiency) and to spread the PPP approach also through the innovative, for the context, Energy Performance Contracts (EPC) in convergence regions.

The main specific objectives of the proposed action are:

1. to define technical, financial, legal and administrative specifications of a package of investments that are economically sustainable and attractive for private investors;
2. to assess a PPP scheme and to define an EPC model for the energy efficiency of public buildings, also to create better condition to renewal this aged (> 30 years) buildings;
3. to publish the call for tender and to procure the bundled investments through EPC and sign the investment contracts;
4. to become a best practice for the mobilisation of local energy investments of the area where municipalities are preparing the SEAPs (Province of Matera – leader of this project – is the coordinator);
5. to share all this advances with local actors and other MLEI European partners.

Specifically, the project (regarding a complex of schools in Matera and in Policoro with the neighboring hospital) aims to experiment, with technological and method approaches, the achievement of the objective that all schools in the area become “climate neutral” by 2020.

The project also aim to generate capacity building in the field of renewable energy and energy saving through:

- the inter-institutional collaboration between different public authorities to increase the interventions scale (that is very important considering both the small average size of the local administrations and the low population density);
- the development of approaches that pay special attention to the potential of the PPP in the field of energy;
- better understanding of the features that this kind of projects should have in order to be attractive to both lenders and ESCOs.

Related information

Top Stories

[Periodic Reporting for period 1 - FESTA \(Fostering local energy investments in the Province of Matera\)](#)

Coordinator

PROVINCIA DI MATERA
VIA RIDOLA 60
75100 MATERA
Italy

Italy

EU contribution: EUR 338 207

Participants

AZIENDA SANITARIA LOCALE DI MATERA
VIA MONTESCAGLIOSO SN
75100 MATERA
Italy

Italy

EU contribution: EUR 37 650

UNIVERSITA DEGLI STUDI DELLA BASILICATA
Via Nazario Sauro 85
85100 Potenza
Italy

Italy





EU contribution: EUR 122 300

Last updated on 2017-01-16

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Permalink: http://cordis.europa.eu/project/rcn/194636_en.html

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iSAFE

Project ID: 774928

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
H2020-EU.3.6. - SOCIETAL CHALLENGES - Europe In A Changing World - Inclusive, Innovative And Reflective Societies

iSAFE Internet Safety Awareness for European primary school children

From 2017-06-01 **to** 2017-10-31, ongoing project

Project details

Total cost: EUR 71 429	Topic(s): SMEInst-12-2016-2017 - New business models for inclusive, innovative and reflective societies
EU contribution: EUR 50 000	Funding scheme: SME-1 - SME instrument phase 1
Coordinated in: Ireland	

Objective

More and more children are using the internet at a younger age. The EU Better Internet for Children Strategy recognises the significant risks online to our children. The EU recognises the need for an effective education programme to highlight online risks to children and to equip children with the tools to deal with these risks effectively.

However, no effective solution to this problem has been developed and according to the EU, 4 in 10 children in Europe have encountered online risk, for example cyberbullying and being exposed to user generated content promoting anorexia, self-harm, drug-taking or suicide. These risks have a significant impact on our children.

The iSAFE (Internet Safety Awareness For Europe) Project will form a European co-operative to keep children safe online. iSAFEs innovative education platform will disrupt how children are educated in schools. iSAFE enables children to teach each other internet safety in a 3D world they are familiar with. Children are empowered HOW to think, as opposed to WHAT to think equipping them with the critical thinking skills necessary to protect themselves in this rapidly changing online environment.

In 2021, iSAFE will have the potential to reach at least 1.54m primary school pupils per year in the EU28 states, with a profit of €1.8m, employing 44 people, with a ROI of 143%.

Coordinator

CARAGLASS LIMITED
PO BOX 12622
A94 BLACKROCK CO. DUBLIN
Ireland

Ireland

EU contribution: EUR 50 000

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Permalink: http://cordis.europa.eu/project/rcn/210683_en.html

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Icarus

Project ID: 717540

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
 H2020-EU.3.6. - SOCIETAL CHALLENGES - Europe In A Changing World - Inclusive, Innovative And Reflective Societies

Bringing Personalized Knowledge to Students in Public Schools Through Artificial Intelligence inELearning

From 2016-03-01 **to** 2016-08-31, closed project

Project details

<p>Total cost:</p> <p>EUR 71 429</p> <p>EU contribution:</p> <p>EUR 50 000</p> <p>Coordinated in:</p> <p>Greece</p>	<p>Topic(s):</p> <p>INSO-10-2015-1 - SME business model innovation</p> <p>Call for proposal:</p> <p>H2020-SMEINST-1-2015 See other projects for this call</p> <p>Funding scheme:</p> <p>SME-1 - SME instrument phase 1</p>
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Objective

In the EU, private and public expenditure per full-time student rose from 5,674 to 6,900, i.e. by almost 22% from 2005 to 2010 whilst PISA results remain largely stable. In order to impact students' learning curve, we need advanced learning tools, i.e. e-learning needs to be infused with AI: content creation tools, adaptive learning, collaborating learning, and Open Education Resource management.

That is why we have created Icarus, an AI plugin system that can be installed on top of one of the most recognized free open source Dokeos e-learning platform. Icarus provides tools to students to frequent a learning path and to teachers to create one as a personalized and adaptive tutor with a series of modules. It will be available open source based on a freemium business model where we only charge for customization work. There is currently no open source AI e-learning application available at a freemium.

The objective of a Phase II project will be to a) scale up the Icarus plugin system on top of the main open source e-learning platform additionally to Dokeos and to b) pilot Icarus in at least three public or private primary schools in two different EU countries. In Phase I, we will conduct a Feasibility Study and a Business Plan including the following objectives: feasibility study, partner search, market, business model, risk and IP assessment as well as draft a work plan for Phase II.

The project Icarus responds to topic ICT-37-2015. As an innovative SME, we propose to scale-up our ICT product Icarus that will disrupt the market by being the first open source AI system for e-learning that can directly be used by all levels of educational institutions: This is going to have a measurable impact on education with students reaching higher scores in PISA evaluations and ultimately bringing better results as part of the future work force. The EC funding will allow us to grow our company significantly. We will invest in new staff to more than double our staff from 2015.

Related information

Top Stories

[Periodic Reporting for period 1 - Icarus \(Bringing Personalized Knowledge to Students in Public Schools Through Artificial Intelligence inELearning\)](#)

Coordinator

APOGEE INFORMATION SYSTEMS
DELFOON 192
54248 THESSALONIKI
Greece

Greece

EU contribution: EUR 50 000

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Icarus Report Summary

Project ID: 717540

Funded under: H2020-EU.2.3.1., H2020-EU.3.6.

Periodic Reporting for period 1 - Icarus (Bringing Personalized Knowledge to Students in Public Schools Through Artificial Intelligence inELearning)

Summary of the context and overall objectives of the project

Increasing amounts of funds are invested in education but students do not seem to become better trained. Global education expenditure is huge at \$4.4 trillion with 62.5 million educators teaching 1.4 billion students. E-learning represents a cost effective alternative. One would expect that now, in 2016, e-learning had entered a new era, responding more and more to the tutoring needs of a student. However, studies show that high school and college students spend an increasing amount at their computer, without their grades increasing. Looking at the PISA results and other studies, the role of e-learning - after numerous spin-offs and evolvments mainly based on video and audio enhancements - has reached a point of evolution that may not provide more than its current value to students and professors. Specifically, it is not reflecting business realities and is not aware of student needs. To help make e-learning more student-centred and modern, we have created Icarus, an AI plugin system that can be installed on top of one of the most recognized free open source Dokeos e-learning platform. Icarus provides tools to students to frequent a learning path and to teachers to create one as a personalized and adaptive tutor with a series of modules. The objective of the Phase I project was to conduct a Feasibility Study and draft a Business Plan including the following objectives: feasibility study, partner search, market, business model, risk and IP assessment as well as draft a work plan for Phase II.

Work performed from the beginning of the project to the end of the period covered by the report and main results achieved so far

Task 1: The feasibility study showed ICARUS existing components need to be enhanced. First, the contextual component that allows students to see Wikipedia, Google and Youtube contents that can help them further understand the study material needs to understand further activities of the students. Second the AI learning path component that learns how the students progress and order the learning material accordingly needs more big data input. The feasibility study showed that two more components are needed: a social media component that allows students with similar interests and learning requirements to connect and learn together and a recommendation component that recommends material and professors to students. Task 2: The partner search showed that it is most useful to find pilot schools based on their level of interest rather than the type of institution. Task 3: The market assessment confirmed that there is a major market out there but that the freemium business model is the recipe for success. Task 4: Since the educational landscape is mostly composed of public institutions, we will launch a freemium model to allow anyone to use Icarus and those who can afford and want customization to be able to get it. Task 5: We understand our risks more closely. Task 6: The result of the IP assessment is that we have freedom to operate and are not infringing any existing IP. Our best option given that Icarus will be open source is to protect our brand with trademarks. Task 7: We drafted a work plan with 8 work packages to ensure the development of the two additional components and the integration with further e-learning platforms. Task 8: All results have been summarized in a detailed business plan.

Progress beyond the state of the art and expected potential impact (including the socio-economic impact and the wider societal implications of the project so far)

The final result of the Phase I project shows that we have to develop Icarus further and to expand our target market to reach the desired socio-economic impact. The performance of our education systems seems to be really low since the drop out in school has remained the same along the past decade accounting for 30% nowadays. However, the landscape is starting to change now. Internet, led by mobile devices brings us the access to a massive amount of

information in a matter of seconds promoting self-learning and on-line learning models such as Coursera. But these new ways of consuming information and finally, learning, have a significant drawback: 7 of 10 students want more personalized tutoring and 5 of 10 teachers need to understand the student better and interact more. The answer to overcome this drawback and allow this new trend of on-line digital content to become personalized, and an adaptive learning experience, exactly what Icarus is trying to accomplish. By these means, we will allow students worldwide to acquire new knowledge with much higher performances. In fact, Bill Gates stated that adaptive and personalized learning is the future of education. From a social standpoint, an open source interactive e-learning platform can bring European students closer and eventually lead to equal standards in education. Also, using intelligent e-learning tools can allow integration of students with learning disabilities. For instance, dyslexic students take a long time to read information and can assimilate information they hear very quickly, which can simply be done by devices that can read text.

Related information

Images




[icarus.png](#)

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GrowSmarter

Project ID: 646456

Funded under: [H2020-EU.3.3.1.3. - Foster European Smart cities and Communities](#)

GrowSmarter

From 2015-01-01 **to** 2019-12-31, ongoing project

Project details

<p>Total cost: EUR 34 560 205,86</p> <p>EU contribution: EUR 24 820 974,38</p> <p>Coordinated in: Sweden</p>	<p>Topic(s): SCC-01-2014 - Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) projects</p> <p>Call for proposal: H2020-SCC-2014 See other projects for this call</p> <p>Funding scheme: IA - Innovation action</p>
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Objective

GrowSmarter aims to:

- Improve the quality of life for European citizens by better mobility, housing and the quality of urban infrastructure while improving the citizens economy by lower energy costs and creating as much as 1500 new jobs (on the demonstration level).
- Reduce the environmental impact by lower energy needs by 60 % and increased use of renewable energy thus reducing GHG emissions even more.
- Create sustainable economic development by demonstrating and preparing a wider rollout of smart solutions.

GrowSmarter will demonstrate at 3 lighthouse cities 12 smart, integrated solutions as a way of preparing for a wider market rollout. These solutions are integrated in specially chosen sites making demonstration easy to reach and take part of for the 5 follower cities and other European and international study groups. All the smart solutions are fit into the Lighthouse-cities strategic development plans and the follower cities replication plans.

The solutions solve common urban challenges such as:

- Renewal of existing buildings. GrowSmarter demonstrates the cost efficient renewal of 100.000 square meters of Nearly Zero or low energy districts reducing energy demand by 70-90%,
- Integrated infrastructures for ICT, street lighting, smart grids district heating and smarter waste handling
- Sustainable urban mobility for both passenger and goods integrated in smart grids, biofuels from household waste thus reducing local air quality emissions by 60%.

The integration of Cities, strong group of industrial partners together and quality research organisations guarantee that the solutions will be both validated by independent research organisations and transformed into Smart Business Solutions by industry for the wider rollout to Europe.

Growsmarter builds on integrated, close to the market solutions, to form business models for their wider deployment by the industrial partners. The project will help Europe GrowSmarter!

Related information

Top Stories

Periodic Reporting for period 1 - GrowSmarter (GrowSmarter)

News

Generation green: smart cities bring new eco-friendly jobs

Coordinator

STOCKHOLMS STAD
Fleminggatan 4
104 20 Stockholm
Sweden

Sweden

EU contribution: EUR 3 418 215,56

Participants

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Germany
[See on map](#)

Germany

EU contribution: EUR 1 128 750

INSTITUT MUNICIPAL D'INFORMATICA DE BARCELONA
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08018 BARCELONA
Spain

Spain

EU contribution: EUR 635 721,34

ICLEI EUROPEAN SECRETARIAT GMBH (ICLEI EUROPASEKRETARIAT GMBH)*
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79098 Freiburg
Germany

Germany

EU contribution: EUR 408 881,25

KUNGLIGA TEKNISKA HOEGSKOLAN
BRINELLVAGEN 8
100 44 STOCKHOLM
Sweden

Sweden

EU contribution: EUR 692 525

UNIVERSIDAD DE NAVARRA
CAMPUS UNIVERSITARIO EDIFICIO CENTRAL
31080 PAMPLONA
Spain

Spain

EU contribution: EUR 528 125

STADT GRAZ
HAUPTPLATZ 1 RATHAUS
8010 GRAZ
Austria
[See on map](#)

Austria

EU contribution: EUR 85 240

Municipiul Suceava
BULEVARDUL 1 MAI 5 A
720224 SUCEAVA
Romania

Romania

EU contribution: EUR 54 065

AUTHORITY FOR TRANSPORT IN MALTA
XATT L-GHASSARA TA' L - GHENEB
MRS 1917 MARSA
Malta

Malta

EU contribution: EUR 99 363,65

CAMARA MUNICIPAL DO PORTO
PRACA DO GENERAL HUMBERTO DELGADO
4049 001 PORTO
Portugal
[See on map](#)

Portugal

EU contribution: EUR 88 816,25

CORK CITY COUNCIL
CITY HALL
T12 Cork
Ireland

Ireland

EU contribution: EUR 99 812,5

REGIONAL ENVIRONMENTAL CENTER FOR CENTRAL AND EASTERN EUROPE -REC
Ady Endre ut 9-11
2000 SZENTENDRE
Hungary

Hungary

EU contribution: EUR 107 260

ENVAC AB
Fleminggatan 7
SE 11226 STOCKHOLM
Sweden

Sweden

EU contribution: EUR 583 843,75

DALKIA SVERIGE AB
HALSINGEGATAN 47
11384 STOCKHOLM
Sweden


Sweden

EU contribution: EUR 672 392,01

FORTUM SVERIGE AB
STOCKHOLMS LAN, STOCKHOL KOMMUN
115 77 Stockholm
Sweden

Sweden

EU contribution: EUR 632 844,06

FORTUM POWER AND HEAT AB  *Participation ended*
HANGOVAGEN 19
115 77 STOCKHOLM
Sweden

Sweden

EU contribution: EUR

CARRIER TRANSPORT AB
TRANSPORTVAGEN 13
12044 ARSTA
Sweden

Sweden

EU contribution: EUR 256 375

SKANSKA SVERIGE AB
Rasundavagen 2
16983 SOLNA
Sweden
[See on map](#)

Sweden

EU contribution: EUR 1 435 957,35

TINGCORE AB
DALVAGEN 22
169 79 SOLNA
Sweden

Sweden

EU contribution: EUR 276 500

INSERO AS CHR M OSTERGAARDS VEJ 4 8700 HORSSENS Denmark	Denmark EU contribution: EUR 99 531,24
RHEINENERGIE PARKGURTEL 24 50823 KOLN Germany See on map	Germany EU contribution: EUR 2 670 500
AMPIDO GMBH GOTTFRIED-HAGEN-STRASSE 60-62 51105 KOLN Germany	Germany EU contribution: EUR 122 500
STATAUTO KOELN GESELLSCHAFT FUER CAR SHARING MBH Maastrichter Strasse 41-43 50672 Koeln Germany	Germany EU contribution: EUR 644 953,75
AGT GROUP (R&D) GMBH HILPERTSTRASSE 20 A 64295 DARMSTADT Germany	Germany EU contribution: EUR 300 022,62
DEUTSCHE WOHNUNGSGESELLSCHAFT MBH -DEWOG MEVISSENSTR. 14 50668 KOLN Germany	Germany EU contribution: EUR 2 425 052,87
<i>ENDESA SA</i>  <i>Participation ended</i> CALLE RIBERA DEL LOIRA 60 28042 MADRID Spain	Spain EU contribution: EUR
RETEVISION I, S.A. AVENIDA DEL PARC LOGISTIC 12-20 08040 BARCELONA Spain	Spain EU contribution: EUR 936 575,15
ANTEVERTI CONSULTING SL Calle Valencia 354 08009 Barcelona Spain	Spain EU contribution: EUR 153 562,5
BARCELONA SUPERCOMPUTING CENTER - CENTRO NACIONAL DE SUPERCOMPUTACION Calle Jordi Girona 31 08034 BARCELONA Spain	Spain EU contribution: EUR 425 075
CONSORCI CENTRE D'INNOVACIO DEL TRANSPORT CALLE JORDI GIRONA 29 08034 BARCELONA Spain	Spain EU contribution: EUR 312 500
GAS NATURAL SDG SA PLACA DEL GAS 1 08003 BARCELONA Spain	Spain EU contribution: EUR 3 163 577

FUNDACIO PRIVADA I2CAT, INTERNET I INNOVACIO DIGITAL A CATALUNYA
CALLE GRAN CAPITA 2-4, EDIFICI NEXUS I
08034 BARCELONA
Spain

Spain

EU contribution: EUR 160 000

FUNDACIO INSTITUT DE RECERCA DE L'ENERGIA DE CATALUNYA
C/ JARDINS DE LES DONES DE NEGRE 1
08930 SANT ADRIA DE BESOS
Spain

Spain

EU contribution: EUR 371 730

Philips GmbH  *Participation ended*

Luebeckertordamm 5
20099 Hamburg
Germany

Germany

EU contribution: EUR

SCHNEIDER ELECTRIC INDUSTRIES SAS
RUE JOSEPH MONIER 35
92500 RUEIL MALMAISON
France

France

EU contribution: EUR 155 027,25

URBISUP CONSULTING SL
CALLE SANTA EULALIA 2 - PUERTA 1
08328 ALELLA BARCELONA
Spain

Spain

EU contribution: EUR 149 999,5

POLIS - PROMOTION OF OPERATIONAL LINKS WITH INTEGRATED SERVICES, ASSOCIATION
INTERNATIONALE
rue du Trône 98
1050 BRUXELLES
Belgium

Belgium

EU contribution: EUR 28 500

IBM SVENSKA AB
Kista Alléväg 60
164 92 STOCKHOLM
Sweden

Sweden

EU contribution: EUR 619 500

ENDESA ENERGIA S.A.  *Participation ended*

CALLE RIBERA DEL LOIRA 60
28042 MADRID
Spain

Spain

EU contribution: EUR 210 771,45

ENDESA DISTRIBUCION ELECTRICA S.L
AVENINA VILANOVA 12
08018 Barcelona
Spain

Spain

EU contribution: EUR 666 908,33

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SAVES2

Project ID: 754203

Funded under:

H2020-EU.3.3.1. - Reducing energy consumption and carbon footprint by smart and sustainable use

H2020-EU.3.3.7. - Market uptake of energy innovation - building on Intelligent Energy Europe

Students Achieving Valuable Energy Savings 2

From 2017-05-01 **to** 2020-10-31, ongoing project

Project details

Total cost: EUR 1 526 900,67	Topic(s): EE-06-2016-2017 - Engaging private consumers towards sustainable energy
EU contribution: EUR 1 526 900,67	Funding scheme: CSA - Coordination and support action
Coordinated in: United Kingdom	

Objective

Students Achieving Valuable Energy Savings 2 (SAVES2) will catalyse sustainable energy behaviours among over 219,000 university students in seven countries to help them reduce their exposure to fuel poverty. It incorporates two strands that engage with students living in university accommodation (Student Switch Off) and in the private-rented sector (SAVES).

Student Switch Off is an energy-saving competition that will reach 38,000 students living in 144 dormitories in 14 universities of the partner countries in each academic year from 2017/18 to 2019/20. By identifying and training student ambassadors in each dormitory, and by motivating the ambassadors to encourage their peers to save energy, we will create a race between students in dormitories, each competing to save the most energy and win prizes. It will tap into online student communities through social media, using engaging digital communications (quizzes, photo competitions) to raise awareness of how students can save energy in a fun way. The centrepiece of each competition will be an energy dashboard that updates students in near-real time on the performance and position of their dormitory in the competition – providing feedback and encouraging further action.

The private-rented sector engagement work (SAVES) will reach over 100,000 students when they are looking for, moving into and living in the private-rented sector. It will enable students to make better informed decisions at the point at which they are selecting a rental property – thereby routing purchase decisions towards higher efficiency properties. SAVES2 will incorporate national-level partnerships with smart meter delivery agencies to develop student-focused communication materials highlighting the benefits of smart meters. It will provide ongoing advice and support to students via energy-efficiency and bill management training, peer-to-peer advice sharing via video blogs and regular e-mail and social media communications.

Coordinator

National Union of Students of the United Kingdom
GRAY S INN ROAD 275 MACADAM HOUSE
WC1X 8QB LONDON
United Kingdom

United Kingdom

EU contribution: EUR 379 234,96

Participants

RESEAU DES UNIVERSITES DES CAPITALES DE L'EUROPE RUE D EGMONT 11 1000 BRUXELLES Belgium	Belgium EU contribution: EUR 59 005,69
DE MONTFORT UNIVERSITY THE GATEWAY LE1 9BH LEICESTER United Kingdom	United Kingdom EU contribution: EUR 144 880,69
ECOVISUM LTD INNOVATION CENTRE 49 OXFORD STREET LE1 5XY LEICESTER United Kingdom	United Kingdom EU contribution: EUR 81 447,63
National & Kapodistrian University of Athens Christou Lada 10561 Athens Greece	Greece EU contribution: EUR 117 341,94
THE RESEARCH COMMITTEE OF THE TECHNICAL UNIVERSITY OF CRETE BUILDING E4 CAMPUS KONOUPIDIANA 73100 CHANIA Greece	Greece EU contribution: EUR 82 222,46
UNIVERSITY OF CYPRUS KALLIPOLEOS STREET 75 1678 NICOSIA Cyprus	Cyprus EU contribution: EUR 96 989,96
UNION OF STUDENTS IN IRELAND MEMBERS' SERVICES LIMITED CEANN ARAS NA MAC LEINN PORTVIEW HOUSE YORK ROAD RINGSEND D04V9Y9 DUBLIN 4 Ireland	Ireland EU contribution: EUR 271 549,96
VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS Sauletekiu al 11 10223 VILNIUS Lithuania	Lithuania EU contribution: EUR 77 877,46
UNIVERSITATEA DIN BUCURESTI MIHAIL KOGALNICEANU STREET 36-46 SECTOR V 050107 BUCURESTI Romania	Romania EU contribution: EUR 170 961,21
SOFIISKI UNIVERSITET SVETI KLIMENT OHRIDSKI Tsar Osvoboditel Blvd. 15 1504 SOFIA Bulgaria	Bulgaria EU contribution: EUR 45 388,71

Last updated on 2017-05-18

Retrieved on 2017-06-11

Permalink: http://cordis.europa.eu/project/rcn/209997_en.html

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Signs for Europe

Project ID: 762003

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
H2020-EU.3.6. - SOCIETAL CHALLENGES - Europe In A Changing World - Inclusive, Innovative And Reflective Societies

Business innovation through qualifying and (re-)employing of deaf people

From 2017-02-01 **to** 2017-07-31, ongoing project

Project details

<p>Total cost:</p> <p>EUR 71 429</p> <p>EU contribution:</p> <p>EUR 50 000</p> <p>Coordinated in:</p> <p>Austria</p>	<p>Topic(s):</p> <p>SMEInst-12-2016-2017 - New business models for inclusive, innovative and reflective societies</p> <p>Funding scheme:</p> <p>SME-1 - SME instrument phase 1</p>
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Objective

Created in 2004, the Austrian SME equalizent is presenting the Signs for Europe project to standardize its worldwide unique business model which deals with job-related education and (re-) employment of deaf people and to export it via Franchise to European SMEs.

Integration of disable people is a challenge for today's society. The EU has committed to address the integration of deaf people (as per the European Disability Strategy 2010-2020). However, education offers for deaf people in Europe are rare, focused on school and apprenticeships and often only of limited use. This generates social inequalities and poverty for people with disabilities, as well as social exclusion and isolation.

equalizent has developed Signs for Europe to address the above challenges. This social innovation project aims to standardize our worldwide unique business model, which include a deaf people-centred training approach that uses sign language to teach deaf basic skills as well as professional training. The result is that 70%+ of all course attendees found a long-term job.

There are around 1 million deaf people in Europe. It is our goal to provide trainings for 6,5 % of all deaf people regardless of where they are located. A mix of ex-cathedra teaching and a special Webinar-Technology, developed by equalizent for the target group, can be used. Target users are to be 16+ students as well as adults, exploiting the lifelong training approach.

Taking into account the figures above, Signs for Europe is intended to generate a turnover of 19,35M€ just for equalizent (774M€ turnover for all franchises), by the end of a 4-year period (2018-2021). The needed investment to unlock this opportunity is estimated at 2M€, generating a ROI of 3,35% and creating 10 new jobs within the company (while more than 200 will be created in the 15 franchisees).

Coordinator

EQUALIZENT SCHULUNGS UND BERATUNGS GMBH
OBERE AUGARTENSTRASSE 20
1020 WIEN
Austria

Austria

EU contribution: EUR 50 000

Last updated on 2017-02-01

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Permalink: http://cordis.europa.eu/project/rcn/207966_en.html

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myABCKit

Project ID: 735804

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument

H2020-EU.3.6. - SOCIETAL CHALLENGES - Europe In A Changing World - Inclusive, Innovative And Reflective Societies

DISRUPTING LITERACY CONTENT CREATION PLATFORM FOR EDUCATORS ENABLING ADAPTIVE AND FLEXIBLE LEARNING FOR KIDS

From 2016-08-01 **to** 2017-01-31, closed project

Project details

<p>Total cost:</p> <p>EUR 71 429</p> <p>EU contribution:</p> <p>EUR 50 000</p> <p>Coordinated in:</p> <p>Spain</p>	<p>Topic(s):</p> <p>SMEInst-12-2016-2017 - New business models for inclusive, innovative and reflective societies</p> <p>Funding scheme:</p> <p>SME-1 - SME instrument phase 1</p>
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Objective

This is a re-submission of the last call, having improved the weak points (attached ESR after section 5).

The UNESCO found that at least 250 of the world's 650 million primary school age children are unable to read, write or do basic mathematics even if they are in primary school (130 million). Furthermore, they calculated that the cost of 250 million children around the world not learning translates to a loss for governments of around 120 billion euros annually. myABCKit aims to democratize the access to innovative literacy learning methodologies based on Maria Montessori's methods (That usually are quite expensive not accesible for everyone). Using new ICT methodologies to revolutionize and empower new kids formal and non-formal education methodologies based on teaching HOW to think instead of WHAT to think.

myABCKit is accessible from any device and is based in three main areas around the adaptive learning overall concept:

- Content creation tools for educators to be able to personalise content in terms of context, interest, familiarity and language.

- New business models around literacy content through a marketplace where educators and schools can monetize their creativity.

- Play-based exercises focused on literacy for kids: vocabulary, grammar, reading and comprehension of one or more languages for K-12 students.

- Learning analytics foe schools and educators in order to know the evolution and early detection of learning disabilities to improve their academic results by applying adaptive learning.

Thanks to myABCKit disruptive app, the market opportunities and the EC support, it is expected to reach over 1 million kids

and generate over 100 million EUR in revenues in 2022. Moreover, the results of this project will catapult myABCKit as a

leader in the global adaptive e-Learning market, the first play-based literacy-learning app for kids maximizing the benefits of

ICT and Montessori's methodology in a unique, smart and friendly ecosystem.

Related information

Top Stories

Periodic Reporting for period 1 - myABCKit (DISRUPTING LITERACY CONTENT CREATION PLATFORM FOR EDUCATORS ENABLING ADAPTIVE AND FLEXIBLE LEARNING FOR KIDS)

Coordinator

MYABCKIT SL
CALLE SABINO ARANA 38 PUERTA 2 PLANTA 1
08028 BARCELONA
Spain

Spain

EU contribution: EUR 50 000

Last updated on 2016-07-18

Retrieved on 2017-06-11

Permalink: http://cordis.europa.eu/project/rcn/205100_en.html

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A reinvented wheel

Project ID: 729922

Funded under:

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

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument

H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

A disruptive innovation removing the need for tyre change on bicycles

From 2016-07-01 **to** 2016-10-31, closed project

Project details

Total cost: EUR 71 429	Topic(s): SMEInst-10-2016-2017 - Small business innovation research for Transport and Smart Cities Mobility
EU contribution: EUR 50 000	Funding scheme: SME-1 - SME instrument phase 1
Coordinated in: Norway	

Objective

The increased use of bicycles as a mean of transportation has taken a key role in the efforts towards sustainable transportation in urban areas. It is essential for achieving the goal of a cleaner transport sector and a sustainable urban environment. Most governmental bodies and NGO's recognize cycling as a key contributor, and this is why improvement of conditions for cycling is a priority. This effort, along with a changing climate, has resulted in a significant increase in European citizens utilizing bicycles as a mean of year-round transportation, greatly benefiting the environment and public health.

Despite improved infrastructure for transport cycling in European cities, seasonal changes resulting in slippery or icy roads are the single greatest reason why people leave their bike at home. The roads are often icy for only a short period at a time, and because tyre change is a hassle, most people never change their tyre according to weather or purpose. Our invention completely removes the need for changing tyres and imposes a paradigm shift in the tyre industry. It allows the user to easily alter the characteristics of their tyres, and just as with shoes, it will become completely natural for cyclists to change their tyre surface according to road and weather conditions.

Our key innovation is a system for changing the tyre surface while it is still on the bike. Thus, a single tyre can have all imaginable features and properties. This invention comes from the realization that only the surface of a tyre is significant in defining the tyre characteristics. It was initially developed for wheelchair users to improve winter mobility.

Our team is situated at an incubator, and consists of 6 M.Sc students and graduated engineers. We are closely related to the Norwegian University of Science and Technology, and governmental and private founding have enabled us to make initial prototypes. We have letter of intent from a leading scandinavian sports retail distributor.

Related information

Top Stories

[Periodic Reporting for period 1 - A reinvented wheel \(A disruptive innovation removing the need for tyre change on bicycles\)](#)

Coordinator

TECHNIUM AS
RICHARD BIRKELANDSVEI 2B
7034 TRONDEHEIM
Norway

Norway

EU contribution: EUR 50 000

Last updated on 2016-11-07

Retrieved on 2017-06-11

Permalink: http://cordis.europa.eu/project/rcn/204259_en.html

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MOVING

Project ID: 693092

Funded under:

H2020-EU.3.6. - SOCIETAL CHALLENGES - Europe In A Changing World - Inclusive, Innovative And Reflective Societies

Training towards a society of data-savvy information professionals to enable open leadership innovation

From 2016-04-01 **to** 2019-03-31, ongoing project

Project details

<p>Total cost:</p> <p>EUR 3 470 253,75</p> <p>EU contribution:</p> <p>EUR 3 470 253,75</p> <p>Coordinated in:</p> <p>Greece</p>	<p>Topic(s):</p> <p>INSO-4-2015 - Innovative schemes for open innovation and science 2.0</p> <p>Call for proposal:</p> <p>H2020-INSO-2015 See other projects for this call</p> <p>Funding scheme:</p> <p>RIA - Research and Innovation action</p>
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Objective

MOVING is an innovative training platform that enables users from all societal sectors to fundamentally improve their information literacy by training how to use, choose, reflect and evaluate data mining methods in connection with their daily research tasks and to become data-savvy information professionals. The platform provides users with technical support as well as social advice and learning input to organise, filter and exploit information in a more efficient and sustainable way. Thus, we tackle the core challenge of knowledge society to manage large amounts of information in a professional way. The ability for understanding, using and developing data mining strategies will become a basic cultural technique. In fact, information management is one of the basic competences today. The open innovation training platform MOVING is both: a working environment for the quality analysis of large data collections with data mining methods and a training environment with information, learning and exchange offers for digital information management. This connection of technical application and curriculum does overcome any artificial distinction in training and practice. The MOVING platform provides beyond state-of-the-art semantic search and analysis of large data sets. It makes its own functioning understandable to the users and offers individually configurable training programmes and guidance based on a proved qualification concept. The MOVING platform will be implemented in two use cases: (i) EY provides the use case of compliance officers with worldwide 60.000 public administrators. (ii) TUD provides a use case on educating young researchers on how to apply and interpret data-intensive research tasks. Here, we address 100.000 students. The exploitation is two-fold, a business-plan strategy for EY and a public-financed and tailoring of services-based strategy for the researcher use case. This will have decisive impact on the innovative capacity of the European society.

Coordinator

ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS
 CHARILAOU THERMI ROAD 6 KM
 57001 THERMI THESSALONIKI
 Greece

Greece

EU contribution: EUR 452 500

Participants

Participants


ERNST & YOUNG GMBH WIRTSCHAFTSPRUFUNGSGESELLSCHAFT FLUGHAFENSTRASSE 61 70629 STUTTGART Germany	Germany EU contribution: EUR 321 875
TECHNISCHE UNIVERSITAET DRESDEN HELMHOLTZSTRASSE 10 01069 DRESDEN Germany	Germany EU contribution: EUR 640 250
KOMPETENZZENTRUM FUR WISSENSBASIERTE ANWENDUNGEN UND SYSTEME FORSCHUNGS- UND ENTWICKLUNGS GMBH INFFELDGASSE 21A 8010 GRAZ Austria	Austria EU contribution: EUR 405 937,5
INSTITUT JOZEF STEFAN Jamova 39 1000 LJUBLJANA Slovenia	Slovenia EU contribution: EUR 243 437,5
DEUTSCHE ZENTRALBIBLIOTHEK FUER WIRTSCHAFTSWISSENSCHAFTEN - LEIBNIZ- INFORMATIONSZENTRUM WIRTSCHAFT DUESTERNBROOKER WEG 120 24105 KIEL Germany	Germany EU contribution: EUR 648 160
THE UNIVERSITY OF MANCHESTER OXFORD ROAD M13 9PL MANCHESTER United Kingdom	United Kingdom EU contribution: EUR 271 875
GESIS - LEIBNIZ INSTITUT FUR SOZIALWISSENSCHAFTEN e.V. B2 1 68159 MANNHEIM Germany	Germany EU contribution: EUR 241 687,5
FUNDACJA PROGRESS AND BUSINESS UL JULIUSZA LEA 12 B 30 048 KRAKOW Poland	Poland EU contribution: EUR 244 531,25

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Permalink: http://cordis.europa.eu/project/rcn/199995_en.html

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Quotanda

Project ID: 735394

Funded under:

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

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument

Quotanda - a lending-as-a-service (LaaS) platform that enables schools and lenders to set up student financing programs to make education more affordable

From 2016-08-01 **to** 2017-01-31, closed project

Project details

Total cost: EUR 71 429	Topic(s): SMEInst-01-2016-2017 - Open Disruptive Innovation Scheme
EU contribution: EUR 50 000	Funding scheme: SME-1 - SME instrument phase 1
Coordinated in: Spain	

Objective

Quotanda is a lending as a service (LaaS) platform providing a suite of student loan services. Its technology and staff supervise all aspects of partners' online lending programs, including: program set-up, marketing, compliance to selection requirements, origination, automated credit decisions, loan disbursement, extended servicing (collecting interest and principal), and default management. As a B2B2C LaaS platform, two are the main groups Quotanda is addressing to: banks and schools through which students, which are the final users, are eventually pointed. Quotanda manages all aspects of loan programs for banks or extended payment plans for schools. It supports economic growth via wage premiums for educated (or re-skilled workers) and helps to reduce deficiencies of inequality and social exclusion. Quotanda is challenging the status-quo with a technology that broadens financial inclusion and access to education by helping schools to introduce flexible and affordable financing programs for students, as shown by the 2 successful loan programs running in Spain in collaboration with IESE Business School MBA and IronHack - Spain's first code bootcamp. On the other side it helps banks to acquire millennial customers with high Lifetime Value efficiently while making students and families loan decision faster. Having proved online origination and servicing capabilities, Quotanda sees this feasibility study as an opportunity to help grow and test its turnkey platform on a larger level, by bringing superior efficiency at scale to various banks and schools. Its concept greatest ambition is to set a standard the education lending market with an increasing share that will arrive to count at least for 1.75% of the entire online education lending market in the forthcoming 4 years, by closing partnerships with 11 lenders and 40 among universities, schools and code bootcamps by the end of 2017.

Related information

Top Stories

[Periodic Reporting for period 1 - Quotanda \(Quotanda - a lending-as-a-service \(LaaS\) platform that enables schools and lenders to set up student financing programs to make education more affordable\)](#)

Coordinator

QUOTANDA LOANS SL
AV. DIAGONAL, 404-406, P.EN PTA. 3
08037 BARCELONA
Spain

Spain

EU contribution: EUR 50 000

Last updated on 2016-07-26

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Permalink: http://cordis.europa.eu/project/rcn/205073_en.html

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Bsmart - Pro

Project ID: 711653

Funded under:

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

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument

Smart integrated digital contents and educational platform

From 2015-12-01 **to** 2016-03-31, closed project

Project details

<p>Total cost:</p> <p>EUR 71 429</p> <p>EU contribution:</p> <p>EUR 50 000</p> <p>Coordinated in:</p> <p>Italy</p>	<p>Topic(s):</p> <p>ICT-37-2015-1 - Open Disruptive Innovation Scheme (implemented through the SME instrument)</p> <p>Call for proposal:</p> <p>H2020-SMEINST-1-2015 See other projects for this call</p> <p>Funding scheme:</p> <p>SME-1 - SME instrument phase 1</p>
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Objective

Applix Education specialized in digital publishing services for education aims to launch Bsmart-pro, which aspires to be a disruptive integrated digital contents and educational platform for the global community of students, teachers, schools and publishers. It enhances the teaching & learning process thanks to integrated tools which allow customizing, creating and sharing contents in its virtual school environment. It creates a new virtual market place in which publishers of e-learning contents will reach to boost sales of digital educational materials. Trend of the educational process is shifting towards a higher degree of personalization and proactivity by the student, which is encouraged to use the virtual tools available to access a variety of digital contents to enhance his/her own learning process which is guided and tutored by the teacher. Publishers and educational material providers have identified the previous as a new challenge, and have created digital educational contents that can be accessed by the student via internet. Bsmart-pro integrates both business approaches, creating a cloud based multifunctional multi-user educational platform that will allow publishers to increase sales; students and teachers to access multimedia content interacting which each other in an e-learning process that offers multiple opportunities to boost personalization, flexibility, socialization and game-like learning; and last but not least, schools heads to improve the efficiency and competitive edge of their schools. To date, a basic version of Bsmart is operating in Italy with over 126.000 users as of Sept, 2015. We have now to integrate new functional modules and prepare scaled-up demonstrations across European countries. We aim to execute technical feasibility tasks as well as perform a deep Market Study, preparing our Commercial Strategy, establishing an IP protection strategy for the BSmart core algorithms, all to be considered in Bsmart-pro Business Plan.

Related information

Top Stories

[Periodic Reporting for period 1 - Bsmart - Pro \(Smart integrated digital contents and educational platform\)](#)

Coordinator

APPLIX EDUCATION S.R.L.
VIA STANISLAO CABONI 3 PALAZZO D/2
09125 CAGLIARI
Italy

Italy

EU contribution: EUR 50 000

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Permalink: http://cordis.europa.eu/project/rcn/199245_en.html

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ENVISAGE

Project ID: 731900

Funded under:

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

ENhance Virtual learning Spaces using Applied Gaming in Education

From 2016-10-01 **to** 2018-09-30, ongoing project

Project details

<p>Total cost:</p> <p>EUR 1 208 125</p> <p>EU contribution:</p> <p>EUR 1 035 250</p> <p>Coordinated in:</p> <p>Greece</p>	<p>Topic(s):</p> <p>ICT-24-2016 - Gaming and gamification</p> <p>Call for proposal:</p> <p>H2020-ICT-2016-1 See other projects for this call</p> <p>Funding scheme:</p> <p>IA - Innovation action</p>
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Objective

Online virtual labs, i.e. virtual spaces emulating real laboratories where students can accomplish a number of learning tasks, have the potential to revolutionize the educational landscape by providing students with distance courses and curricula that otherwise would be difficult if not infeasible to be offered. The objective of ENVISAGE is to offer a solution towards optimizing the learning process in virtual labs and therefore maximize their impact in education. In reaching this challenging goal, ENVISAGE proposes to migrate knowledge from the neighboring domain of digital games, where the capture and analysis of detailed, high-frequency behavioral data has reached mature levels in recent years. In digital games, Game Analytics (GA) is used to profile users, predict their behavior, provide insights into the design of games and adapt games to users. These mature technologies can be readily migrated to learning analytics, especially in the situation of virtual labs as these are delivered online thus enabling detailed tracking of learner behavioral data. Tracking and understanding behavioral data can facilitate decision-making at the design level of a lab, but also can allow for adapting learning content to the personal needs and requirements of students. ENVISAGE thus proposes a data-driven approach to solve the problems of designing, adapting, revising and evolving virtual labs. To this end, ENVISAGE will develop a high-level, easy to use authoring environment that integrates the above methodological paradigms allowing for designing and implementing high-standard virtual labs. The integrated ENVISAGE solution will offer social benefits, as through the enhancement of virtual labs it will permit easy and effective access to education and learning to the greatest part of community, and economic benefits, as due to its optimized operating level, it will be easily absorbed by educational organizations, offering SMEs the possibility to seize new business opportunities.

Coordinator

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EU contribution: EUR 206 250

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EU contribution: EUR 196 250

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EU contribution: EUR 183 750

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MY-WAY

Project ID: 644367

Funded under:

H2020-EU.2.1.1.3. - Future Internet: Software, hardware, Infrastructures, technologies and services

Strengthening the web entrepreneurship ecosystem in Europe for young people by creating a pan-European network of actively engaged student networks and student entrepreneurship centres

From 2015-01-01 **to** 2016-12-31, closed project

Project details

<p>Total cost:</p> <p>EUR 772 080,75</p> <p>EU contribution:</p> <p>EUR 766 124,5</p> <p>Coordinated in:</p> <p>Hungary</p>	<p>Topic(s):</p> <p>ICT-13-2014 - Web Entrepreneurship</p> <p>Call for proposal:</p> <p>H2020-ICT-2014-1 See other projects for this call</p> <p>Funding scheme:</p> <p>CSA - Coordination and support action</p>
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Objective

MY-WAY aims at enhancing and improving the collaboration and efforts of web entrepreneurship initiatives (hubs, projects, accelerator networks, contests, etc.), web/business experts (accelerators, mentors, etc.), educational actors (business teachers and trainers) and the young adults as the final beneficiaries (through student networks, their alumni and student entrepreneurship centres, the student support centres). This coordination will create synergies and find ways to embed flexible services based on the existing best practices to be sustained by the student support centres in any European country at low cost. The social network of young adults across Europe will enable a wide spread of information, discovery of synergies and linkages between the actors and their services.

The active engagement of student support centres and connecting them with business networks within the web entrepreneurship ecosystem and its activities, e.g. the development of the support services (training, mentoring, access to funding, regulation, policy, etc.) will strengthen the ecosystem and will also increase the visibility and impact of the web entrepreneurship initiatives and services. A network of student support centres will act as multipliers and successfully represent the targeted young adults boosting web entrepreneurship in the long term. Primary, secondary as well as emerging web entrepreneurship hubs will be involved across Europe into the project activities. The project partnership contains representatives from across the support chain for web entrepreneurs with adequate expertise and network infrastructure to successfully engage the critical mass of stakeholders. The project will implement support actions boosting the entrepreneurial spirit, especially changing the mindset, confidence and readiness of young people for starting their own business. Special attention will be paid to female web entrepreneurship and social web entrepreneurship support.

Related information

Top Stories

[Periodic Reporting for period 2 - MY-WAY \(Strengthening the web entrepreneurship ecosystem in Europe for young people by creating a pan-European network of actively engaged student networks and student entrepreneurship centres\)](#)

Coordinator

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EU contribution: EUR 132 987

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EU contribution: EUR 102 562,5

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EU contribution: EUR 37 875

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EU contribution: EUR 73 625

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TRANSLITERACY

Project ID: 645238

Funded under:

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

Exploiting transmedia skills and informal learning strategies to improve formal education

From 2015-04-01 **to** 2018-03-31, ongoing project

Project details

Total cost: EUR 1 066 492,5	Topic(s): ICT-31-2014 - Human-centric Digital Age
EU contribution: EUR 1 066 489	Call for proposal: H2020-ICT-2014-1 See other projects for this call
Coordinated in: Spain	Funding scheme: RIA - Research and Innovation action

Objective

The aims of the TRANSLITERACY project are to understand how teenagers are learning outside the school and to introduce those experiences into it. The ethnographic identification and analysis of the (trans)media skills will be at the centre of the research program. Once identified the informal learning strategies applied by young people outside the formal institutions, the team will translate them into a series of proposals to be implemented into the schools.

The TRANSLITERACY Project will involve an interdisciplinary group of 25 senior and junior researchers with sound experience in fields such as media literacy, transmedia storytelling, user-generated contents and participatory culture, ludology, traditional and virtual ethnography, pedagogy and innovation in education. The research will focus on the following set of skills:

- Problem-solving strategies developed by teens in video gaming (Videogame literacy)
- Content creation, production and sharing strategies developed by teens in fan fiction (Participatory culture literacy).
- Content creation, production and sharing strategies developed by teens in social media (Web / social networks literacy).

The research will focus on 12-18 years old teens, an age characterized by a short but intensive experience in the use of new media and digital technologies. The fieldwork -based on surveys, interviews, focus groups, participant observation, and online activities analysis- will be simultaneously developed in 9 countries: Australia, Colombia, Finland, Italy, Mexico, Portugal, Spain, United Kingdom, and Uruguay. The duration of the research will be 3 years.

After mapping the transmedia practices and informal learning strategies the team will produce an open and customizable Teacher's Kit based on the outputs of the research. The kit will propose learning strategies and activities to be developed with students into the schools.

Related information

Top Stories

[Periodic Reporting for period 1 - TRANSLITERACY \(Exploiting transmedia skills and informal learning strategies to improve formal education\)](#)

Coordinator

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EU contribution: EUR 410 156

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EU contribution: EUR 93 125

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EU contribution: EUR 75 468

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EU contribution: EUR 96 883

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EU contribution: EUR 41 250

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STARTIFY7

Project ID: 644424

Funded under:

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

A TEAM-BUILDING, THEMATICALLY-FOCUSED AND LEAN-TRAINING SUMMER ACADEMY SYSTEM FOR YOUNG FUTURE ICT ENTREPRENEURS

From 2015-01-01 **to** 2016-12-31, closed project

Project details

<p>Total cost: EUR 1 423 165</p> <p>EU contribution: EUR 1 330 277,12</p> <p>Coordinated in: United Kingdom</p>	<p>Topic(s): ICT-35-2014 - Innovation and Entrepreneurship Support</p> <p>Call for proposal: H2020-ICT-2014-1 See other projects for this call</p> <p>Funding scheme: IA - Innovation action</p>
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Objective

An innovative training structure focused on addressing the limited capability of young European ICT future entrepreneurs is needed. This is a challenging task, since existing European ICT entrepreneurship training initiatives are characterised by a general fragmentation and a lack of a 'learning-by-doing' training approach. STARTIFY7 is an innovative and ambitious project aiming to go beyond the state-of-the-art and create strong synergies with existing initiatives and projects. It suggests a unique approach to ICT entrepreneurial education for the youth, with the following objectives: 1) Perform a thorough Training Needs Analysis for the future ICT entrepreneurs. 2) Embed a team-building process within a lean-training structure. 3) Establish an effective network of trainers. 4) Create innovative lean-training curricula with thematic ICT focus. 5) Ignite competition and strong synergies with existing initiatives. 6) Disseminate, exploit and ensure long-term sustainability.

The innovative outcomes of the project are the following: 1) Seven Summer Academies in 7 different European cities within a timeframe of two sequential summers (i.e. 2015 and 2016). 2) Seven lean-training and thematically-focused training curricula, embedding a strong team-building process. 3) An integrated network of trainers focused on hands-on and real-world knowledge transfer. 4) A competition based on the best performing teams after the completion of each round of summer academies. 5) Complement, extend and enrich similar existing actions. 6) A centralized social networking service. 7) ECTS credits provision. 8) An integrated exploitation and sustainability plan with the aim of making STARTIFY7 a long-term viable Summer Academy.

STARTIFY7 will aim for 1.400 applications from potential entrepreneurs, 280 student participants, 90 produced demos, 70 engaged teachers/coaches/mentors, 2 boot-camps with 63 participants, 10 VC/angels investors engaged, and, 16 investment-ready proposals.

Related information

Top Stories

[Periodic Reporting for period 1 - STARTIFY7 \(A TEAM-BUILDING, THEMATICALLY-FOCUSED AND LEAN-TRAINING SUMMER ACADEMY SYSTEM FOR YOUNG FUTURE ICT ENTREPRENEURS\)](#)

Coordinator

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EU contribution: EUR 230 661

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EU contribution: EUR 117 000

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EU contribution: EUR 69 147

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EU contribution: EUR 88 615,62

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EU contribution: EUR 58 975

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EU contribution: EUR 45 710

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