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EDITORIAL

Dear Readers

Ideal-ist is delighted to announce its July 2014 edition of the project newsletter.

Ideal-ist invites the readers of the Newsletter and their colleagues in the ICT research fraternity to the very important -ICT Proposers' Day 2014 and most importantly to be part of the Ideal-ist Brokerage Face 2 Face event that will be organized during the Proposer's Day 2014. Details about the event are covered in this edition.

This edition also describes the most important feature of Ideal-ist portal – the Partner Search service. Open and active Partner Searches for H2020 Calls in the Ideal-ist portal will be useful for potential partner seekers and potential participants to choose suitable projects and consortium partners from topics and queries related to H2020 can be directed to Horizon 2020 Helpdesk which is also briefed in this edition.

Results of Proposal submission under Call 1 of H2020-ICT-2014 are described, which will be useful in understanding the trends and interest of researchers in H2020 call topics. This is followed by

details about the currently open ICT-2014 Calls and the upcoming Calls for proposals that will be announced by the year end under ICT-2015.

Topics under 'soon to be opened', H2020-ICT-2015 calls for proposals, FET Open Funding, FoF – Factories of Future calls: H2020-FoF-8-2015, H2020-FoF-9-2015, and H2020 dedicated SME Instrument-Phase 1 of 2015 are some of the key H2020 ICT calls that have been covered in this edition.

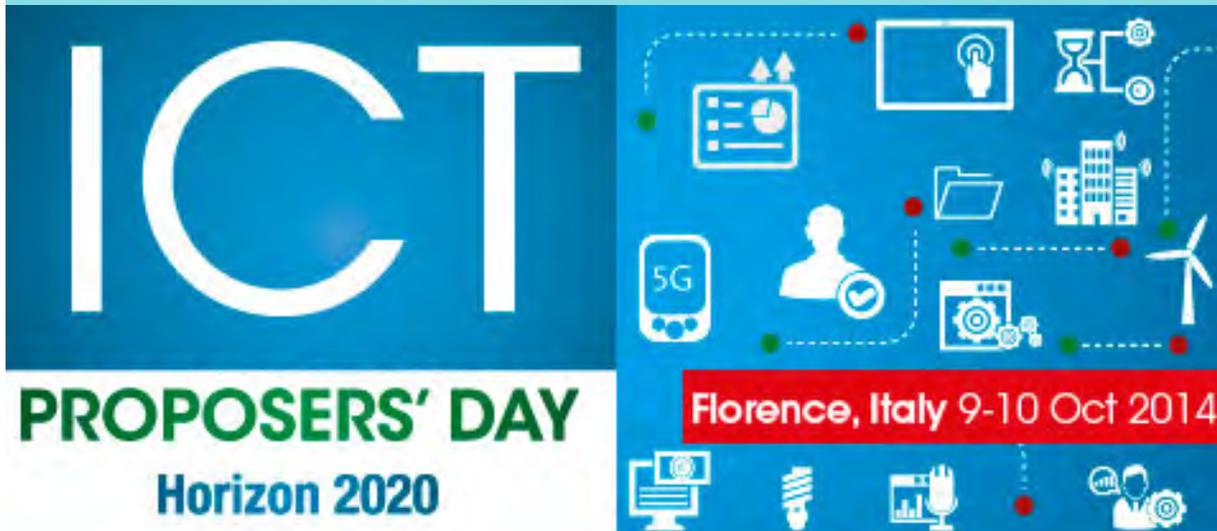
This edition also includes handy updates on the ICT events that will be held in and around Europe in the next 4 months.

If you are interested in obtaining up-to-date information on Ideal-ist services and next editions of Ideal-ist newsletters please subscribe to our mailing list at www.Ideal-ist.eu/user/register/newsletter

We hope you will enjoy reading this edition!

Yours

Ideal-ist Team



Ideal-ist is very happy to invite the Information and Communication Technologies (ICT) research communities from across the World for the ICT proposers' Day 2014 to be held on **9-10 October 2014 in Florence, Italy.**

ICT Proposers' Day 2014, organized by the European Commission, is specifically dedicated to networking and promoting research and innovation in the field of ICT with a focus on Horizon 2020 ICT Work Programme 2015 and all ICT Calls across Horizon 2020.

The event will offer an exceptional occasion to build quality partnerships as it will connect academia, research institutes, industrial stakeholders, SMEs and government actors from all over Europe. The event is free of charge but registration is required.

Ideal-ist Face 2 Face Brokerage Event in ICT Proposers Day

When: 9-10 October 2014

Ideal-ist invites the ICT community to engage in pre-arranged meetings at its Face to Face Brokerage event organized to facilitate the formation of consortia for upcoming Horizon 2020 calls and beyond. Ideal-ist is organizing this event in cooperation with EEN (European Enterprise Network) within the ICT Proposers' Day 2014.

This networking event will target wide range of actors in the ICT sector from academy and industry from Europe and other countries interested in sharing new project ideas and finding collaboration partners for projects under ICT oriented calls across Horizon 2020 and beyond.

For more info on Ideal-ist F2F Event please *write to us*

For more info on ICT Proposer's Day 2014 please visit:

Main event site: <http://ec.europa.eu/ictproposersday>

Ideal-ist at ICT Proposers Day: <http://www.ideal-ist.eu/event/ict-proposers-day-2014>

Face-2-face brokerage event: <http://www.b2match.eu/proposersday2014>

**IDEAL-IST IS ORGANIZING
THIS EVENT IN
COOPERATION WITH EEN
(EUROPEAN ENTERPRISE
NETWORK) WITHIN THE ICT
PROPOSERS' DAY 2014.**

**For more info on Ideal-ist F2F Event
please *write to us***

Ideal-ist exhibition

When: 9-10 October 2014

The exhibition stand will be a meeting and information point for anyone interested in learning more about Ideal-ist activities and services. Visitors can hold face-to-face meetings with Ideal-ist representatives, and have access to Ideal-ist promotional materials, and on-line demonstrations.

July 2014

Pre-proposal check

When: 9-10 October 2014

Following several highly valued full proposal check events, Ideal-ist is organising a pre-proposal check at the ICT Proposers' Day with the support of national contact points and external experts. Participants who register for the Face-2-Face brokerage event may apply for a pre-proposal check. The pre-proposal check event focuses on giving valuable suggestions for the development of the consortia and proposal idea, and will give participants suggestions and feedback with respect to the evaluation criteria for the targeted calls.

Ideal-ist workshop: Evaluation in Horizon 2020

When: 9 October 2014

The Ideal-ist evaluation workshop will bring together a variety of experts to discuss and share experience on evaluation in Horizon 2020. The discussion will focus on how evaluation has changed in Horizon 2020: the briefing and the evaluation process, the evaluation criteria, how new requirements – such as innovation – are being evaluated, the interaction between multidisciplinary evaluators in societal challenges and other questions of interest to the audience. The workshop will be organised as a panel discussion with experienced evaluators who have been involved in both FP7 and Horizon 2020 evaluations.

Ideal-ist workshop: “Horizon 2020: Developing Winning Proposals”

When: 8 October 2014, 09.00-16.30

Ideal-ist will organize a pre-event workshop on H2020 proposal preparation. The workshop will be led by Dr Paul Drath, Director, Singleimage. It will explain how to prepare a winning proposal for collaborative research or innovation projects in the areas of Societal Challenges and Enabling and Industrial Technologies of H2020. The workshop will include topics such as the evaluation process and criteria, chief financial conditions, and rules on intellectual property rights.

The main part of the day will focus on the proposal itself, showing how a well designed project and consortium will meet the evaluation criteria. The workshop is targeted at researchers, research managers and advisors new to the EU's research and innovation programme who are trying to understand what is involved in preparing a proposal for Horizon 2020. The workshop consists of lectures and practical exercises, and is limited to 30 participants.

Ideal-ist workshop: “Horizon 2020: SME Instrument”

When: 8 October 2014, 10.00-16.00

Ideal-ist will organize a pre-event workshop on the H2020 SME Instrument. The workshop will be chaired by Myer Morron, CEO, EFPC. The workshop offers an overview of the SME instrument, describes the technology readiness levels (TRLs), explains requirements for proposals for phase 1 and phase 2, explains the evaluation criteria, and gives an update on the current status, results of the first call, and future schedules. Participants will be involved in interactive exercises to gain a better understanding of the instrument and the proposal preparation and evaluation process. The workshop is open for SMEs that intend to submit proposals for the next deadlines of the Open Disruptive Innovation or any other ICT related topic of the SME Instrument call, and is limited to 30 participants.

Horizon 2020 Helpdesk



Any query about any aspect of European research in general, and EU Research Framework Programmes in particular can be sent to Horizon 2020 Helpdesk. There is a contact form on the Research Enquiry Service page

where one can select the most relevant subject area for the question. This service assures that the competent person in Horizon 2020 Helpdesk receives the question directly and can deal with it quickly.

The service is provided by the Europe Direct Contact Centre. Any IT-related problems on the Participant Portal must be addressed to the IT Helpdesk.

For more info:

http://ec.europa.eu/research/participants/portal/desktop/en/support/research_enquiry_service.html &
<http://ec.europa.eu/research/index.cfm?pg=enquiries>

Ideal-ist Partner Search for H2020 ICT Open Calls



Submit your partner search or view open partner searches on:

<http://www.ideal-ist.eu/partner-search/pssearch>

Ideal-ist web portal is a leading source of information and 'partner search portal' for the ICT sector under the EU Horizon 2020 programme. One can conduct open partner searches, as well as publish their own ICT project ideas and invite interested organizations to express collaboration interest on the portal.

Ideal-ist Partner Search is currently open for the following Call for proposals:

- ▶ H2020-ICT-14-2014 - Advanced 5G Network Infrastructures for the Future Internet with deadline 25 Nov 2014
- ▶ H2020-ICT-37-2014 Open Disruptive Innovation Scheme (ODI) with Phase 1 deadlines: 24 Sept 2014 & 17 Dec 2014; Phase 2 deadlines: 9 Oct 2014 & 17 Dec 2014.
- ▶ H2020-ICT-2015 & H2020-EUB-2015 Call announcing 15 Oct, 2014 with a deadline 14 Apr, 2015.
- ▶ All ICT related calls under Societal Challenges and Excellent Science pillars of Horizon 2020.

H2020-ICT-2014-1 – Proposal Submission Results

First ICT Calls for proposals under H2020-ICT-2014-1 are closed; deadline was April 23, 2014. A total budget of 658.5M€ was available to support Research and Innovation Action (RIA), Innovation Action (IA) and Coordination & Support Action (CSA) projects under a variety of ICT disciplines. The service is provided by the Europe Direct Contact Centre. Any IT-related problems on the Participant Portal must be addressed to the IT Helpdesk.

A total of 1645 project proposals have been submitted in 21 different topics under the first ICT call. Of these topics, 3 were especially popular:

- ▶ ICT-1-2014: Smart Cyber-Physical Systems - 158 proposals submitted
- ▶ ICT-7-2014: Advanced Cloud Infrastructures and Services - 157 proposals submitted
- ▶ ICT-23-2014: Robotics - 154 proposals submitted

TOPICS	RIA	IA	CSA	TOTAL
ICT-01-2014: Smart Cyber-Physical Systems	140	10	8	158
ICT-02-2014: Smart System Integration	100	4	2	106
ICT-03-2014: Advanced Thin, Organic and Large Area Electronics (TOLAE) technologies	30	7		37
ICT-05-2014: Smart Networks and novel Internet Architectures	37			37
ICT-06-2014: Smart optical and wireless network technologies	87		3	90
ICT-07-2014: Advanced Cloud Infrastructures and Services	140	6	11	157
ICT-09-2014: Tools and Methods for Software Development	75			75
ICT-11-2014: FIRE+ (Future Internet Research & Experimentation)	26		4	30
ICT-13-2014: Web Entrepreneurship		44	64	108
ICT-15-2014: Big data and Open Data Innovation and take-up		87	19	106

TOPICS	RIA	IA	CSA	TOTAL
ICT-17-2014: Cracking the language barrier	4	23	3	30
ICT-18-2014: Support the growth of ICT innovative Creative Industries SMEs		71	14	85
ICT-21-2014: Advanced digital gaming/gamification technologies	50	41		91
ICT-22-2014: Multimodal and Natural computer interaction	91	17		108
ICT-23-2014: Robotics	125	29		154
ICT-26-2014: Photonics KET	94	1	6	101
ICT-29-2014: Development of novel materials and systems for OLED lighting	9			9
ICT-31-2014: Human-centric Digital Age	43	5		48
ICT-32-2014: Cybersecurity, Trustworthy ICT	55		4	59
ICT-33-2014: Trans-national co-operation among National Contact Points			1	1
ICT-35-2014: Innovation and Entrepreneurship Support		35	20	55
TOTAL	1106	375	164	1645

FINAL RESULTS ARE EXPECTED ON SEPTEMBER 23, 2014.

For more info:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-ict-2014-1.html>

Open Calls under ICT-2014 and Upcoming Calls under ICT-2015 in H2020

The following sub sections will provide a bird's eye view of the huge opportunities for research collaborations that will be opened through ICT-2015 Calls under H2020. Special Calls under FET (Future Enabling Technologies) and SME Instruments are also described in this section.

a) H2020-ICT-2014-2 - Call for proposal

Industries with expertise in Future Internet and 5G Network have a good opportunity to present project proposals under this call that is currently open under H2020. With proposal submission deadline 5 months away, organizations have just sufficient time to build proposals and form consortia taking help and assistance from Ideal-ist! Details of the call, including budget and specific challenges are given below.

Publication date: 2013-12-11

Deadline Date: 2014-11-25 +17:00:00 (Brussels local time)

Budget: €125,000,000

Topics open include: Advanced 5G Network Infrastructure for Future Internet

Specific Challenge: As Internet usages are proliferating, communications networks are faced with new shortcomings. Future networks will have to support in 2020, mobile traffic volumes 1000 times larger than today and a spectrum crunch is anticipated. Wireless access rates are today significantly lower than those of fixed access, which prevents the emergence of ubiquitous low cost integrated access continuum with context independent operational characteristics. Communication networks energy consumption is growing rapidly, especially in the radio part of mobile networks. The proliferation of connected devices makes it very difficult to maintain similar performance characteristics over an ever larger portfolio of technologies and requirements (e.g. Ultra High Definition TV vs. M2M, IoT). Heterogeneity of access technologies entails unsustainable cost with increasing difficulties to integrate an ever larger set of resources with reduced opex. Network infrastructure openness is still limited. It prevents the emergence of integrated OTT (cloud)-network integration with predictable end to end performance characteristics, and limits the possibility for networks to become programmable infrastructures for innovation with functionalities exposed to developers' communities. These are key issues for the competitiveness of the communication industry world-wide and are globally researched in the context of future 5G integrated, ubiquitous and ultra-high capacity networks.

For more info on the scope of the actions, expected impact and types of actions please refer to:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/77-ict-14-2014.html>

b) FETOPEN-2-2014: Novel ideas for radically new technologies - Funding opportunities: Call Deadline 30 Sept 2014

Specific challenge of this call topic is to make Europe the best place in the world for collaborative research on future and emerging technologies that will renew the basis for future European competitiveness and growth, and that will make a difference for society in the decades to come.

Proposals are expected to address one of the following topics:

- a) FET Observatory
- b) FET Communication
- c) FET Exchange
- d) FET Conference
- e) FET Prizes
- f) FET Impact

The call details are as follows:

Publication date: 11 Dec 2013

Deadline Date: 30 Sept 2014

Total Call Budget: €3,000,000

Topics: Coordination and Support Activities

For more info on this call including details on scope and expected impact please follow the link:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/b2020/topics/1154-fetopen-2-2014.html>

c) H2020-FoF-8-2015 (FoF-Factories of Future) Call for Proposals for ICT-enabled modelling, simulation, analytics and forecasting technologies

Specific Challenge of this call includes simulating continuous and discrete manufacturing processes, forecasting the behaviour of manufacturing systems and processes, and designing products to an even larger extent through virtual mock-ups and optimization methods integrated in the design and production chain which are key enablers for Europe's future manufacturing sector.

Advances in ICT in terms of high performance computing power and communication speed, smart sensor technologies for generating and exploiting "big data", the convergence of the embedded world and the Internet/Cloud world in cyber physical systems (CPS), multi-modal visualization and interaction technologies, are leading to a new generation of modelling, simulation, forecasting and decision support methods and tools. These offer a huge potential for making the whole manufacturing chain more competitive.

The call details are as follows:

Publication date: 11 Dec 2013

Deadline Date: 9 Dec 2014

Total Call Budget of H2020-FOF: €145,000,000

Topics: ICT-enabled modelling, simulation, analytics and forecasting technologies

For more info on scope, expected impact and types of action please visit:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/b2020/topics/2187-fof-08-2015.html>

d) H2020-FoF-9 2015 Call for Proposals for ICT Innovation for Manufacturing SMEs (I4MS)

Several topics are open under this call which closes on 9th December 2014. The topics open include:

- ▶ FoF-08-2015: ICT-enabled modelling, simulation, analytics and forecasting technologies
- ▶ FoF-10-2015: Manufacturing of custom made parts for personalized products
- ▶ FoF-12-2015: Industrial technologies for advanced joining and assembly processes for multi-materials
- ▶ FoF-13-2015: Re-use and remanufacturing technologies and equipment for sustainable product lifecycle management

- ▶ FoF-14-2015: Integrated design and management of production machinery and processes
- ▶ FoF-09-2015: ICT Innovation for Manufacturing SMEs (I4MS)
- ▶ FoF-11-2015: Flexible production systems based on integrated tools for rapid reconfiguration of machinery and robots

Activities are expected to be clustered in larger projects to achieve critical mass and to better exploit EU-added value. Common tasks include: targeted dissemination; management of calls for new actions; exploitation of synergies across actions.

The action may involve financial support to third parties. The consortium will define the selection process of additional users and suppliers running the experiments for which financial support will be granted (typically in the order of EUR 50 000 – 150 000 per party). Maximum 50% of the EU funding should be allocated to this purpose.

The call details are as follows:

Publication date: 11 Dec 2013

Deadline Date: 9 Dec 2014

Total Call Budget of H2020-FOF: €145,000,000

For more info please visit:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-fof-2015.html>

e) Horizon 2020 dedicated SME Instrument - Phase 1 2015

Specific challenge of this Call is to provide support to a large set of early stage high risk innovative SMEs in the ICT sector. Focus will be on SMEs proposing innovative ICT concept, product and service applying new sets of rules, values and models which ultimately disrupt existing markets.

The objective of the ODI (Open Disruptive Innovative) Scheme is threefold:

- ▶ Nurture promising innovative and disruptive ideas;
- ▶ Support their prototyping, validation and demonstration in real world conditions;
- ▶ Help for wider deployment or market uptake.

Proposed projects should have a potential for disruptive innovation and fast market up-take in ICT. In particular it will be interesting for entrepreneurs and young innovative companies that are looking for swift support to their innovative ideas. The ODI objective will support the validation, fast prototyping and demonstration of disruptive innovation bearing a strong EU dimension.

Details of the Call are as follows:

Publication date: 11 Dec 2013

Deadline: 16 Dec 2015

Total Call Budget of H2020-FOF: €145,000,000

Topics open include: Open Disruptive Innovation (ODI) Scheme (implemented through the SME instrument)

For more info on scope, different phases of application, expected impact and type of action please visit:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2557-ict-37-2015-1.html>

f) H2020-ICT-2015 (ICT Call 2)

The H2020-ICT-2015 calls will be published in Mid October 2014 with an indicative budget of over 583 M Euros. The list of topics, with their Scope and Action types and also budget is provided in the table below.

Publication date: 15 Oct 2014

Deadline date: 14 April 2015

Overall indicative budget: EUR 583 million

TOPICS	SCOPE AND TYPES OF ACTIONS*	2015 EUR MILLION
Customized and low power computing	ICT4.a	37
	ICT4.b	17
	ICT4.c	3
Boosting public sector productivity and innovation through cloud computing services	ICT8.a	9
	ICT8.b	13
Collective Awareness Platforms for Sustainability and Social Innovation	ICT10.a	25
	ICT10.b	4
	ICT10.c	7
	ICT10.d	1
More experimentation for the Future Internet	ICT12.a	13
	ICT12.b	5
Big Data - research	ICT16.a	38
	ICT16.b	1
Technologies for creative industries, social media and convergence	ICT19.a	18
	ICT19.b	21
	ICT19.c	2
Technologies for better human learning and Teaching	ICT20.a	9
	ICT20.b	5
	ICT20.c	28
	ICT20.d	10
Robotics	ICT24.a	50
	ICT24.b	12
	ICT24.c	12
	ICT24.d	5
	ICT24.e	4
Generic micro- and nano-electronic Technologies	ICT25.a	40
	ICT25.b	7
	ICT25.c	3
Photonics KET	ICT27.a	30
	ICT27.b	5
	ICT27.c	3
	ICT27.d	6

TOPICS	SCOPE AND TYPES OF ACTIONS*	2015 EUR MILLION
Cross-cutting ICT KETs	ICT28.a	13
	ICT28.b	42
	ICT28.c	1
Internet of Things and Platforms for Connected Smart Objects	ICT30.a	50
	ICT30.b	1
ICT contribution to pilot for co-investments by business angels in innovative ICT firms	ICT34	15
Pre-Commercial Procurement open to all areas of public interest requiring new ICT solutions	ICT36	4
International partnership building and support to dialogues with high income countries	ICT38	3
International partnership building in low and middle income countries	ICT39	11

For more info refer to H2020 ICT work programme (LEIT-ICT) 2014-2015, downloadable at this link:
http://ec.europa.eu/research/participants/portal/doc/call/h2020/common/1587758-05i_ict_wp_2014-2015_en.pdf

Upcoming ICT Events

Below is a list of ICT events taking place in European countries in the coming months.

AAL-Forum 2014 – including Ideal-ist Face2Face meetings and pitch sessions for research collaboration and AAL deployment solutions

Bucharest, Romania, 9-12 Sept 2014

<http://www.aalforum.eu/>

<http://www.b2match.eu/aal2business>

International Digital Health and Care Congress

London, 10-12 Sept 2014

http://www.kingsfund.org.uk/sites/files/kf/medial/International%20Digital%20Health%20and%20Care%20Congress%202014%20submission%20guidelines_0.pdf

I-KNOW – 14th International Conference on Knowledge Technologies and Data Driven Business

Graz, Austria, 16-19 Sept 2014

<http://i-know.tugraz.at/>

5th Workshop on Energy Efficient Buildings Data Models - Call for papers

Vienna, Austria, 18 Sept 2014

http://ec.europa.eu/information_society/newsroom/cf/itemlongdetail.cfm?item_id=15160

2nd European Conference of Future Internet

Munich, Germany, 17-18 Sept 2014

<http://www.ecfi.eu/munich2014/>

Workshop on Interoperability and Open-Source Solutions for the Internet of Things

Split, Croatia, 18 Sept 2014

<http://ec.europa.eu/research/index.cfm?pg=events&eventcode=189CFD80-D8C4-5331-7BCC13C4348C0F9F>

WeRob2014: International Workshop on Wearable Robotics

Baiona, Spain, 14-19 Sept 2014

<http://www.werob2014.org/>

Leading Enabling Technologies for Societal Challenges - (LET's)

Bologna, Italy, 29 Sept-1 Oct 2014

<http://ec.europa.eu/research/index.cfm?pg=events&eventcode=9016F9FA-B2F4-69F0-6AE1FA0757E4967C>

2nd Energy Efficient Buildings Key Performance Indicators (KPIs) Workshop

Sustainable Places 2014, Nice, France, 1-3 Oct 2014

http://ec.europa.eu/information_society/newsroom/cf/itemlongdetail.cfm?item_id=15164

About Ideal-ist

Ideal-ist is the first and unique quality labeled international ICT partner search network with 16 years experience. The Ideal-ist network consists of 88 partners and National Contact Points (NCPs) from 75 countries in the area of Information and Communications Technologies (ICT). The Consortium members are from EU and Non-EU countries, including Associated States, Eastern European Partner Countries (EEPC), Mediterranean Partner Countries (MPC) and emerging countries like China, Brazil, India and South Africa. Ideal-ist is part funded by the European Commission and supports research organizations and companies worldwide

- ▶ to find partners for their project ideas
- ▶ to join projects and
- ▶ to find services leading them to success in the 7th Framework Programme and H2020 Programme

Find more information: <http://ideal-ist.eu/>