

Newsletter

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Editorial

Dear Readers

The Ideal-ist consortium welcomes you to read the June 2017 edition of the project newsletter.

This is a special cooperation issue. We want to share with you information about some of our cooperation partners. One of them- from the group of core partners-Enterprise Europe Network (EEN) is presented in more detail.

There are also materials about another NCP network project, this time it is all about Net4Society.

Plus events, news and more.

Enjoy reading!

Yours,

The Idealist2018 team





ICT Proposers' Day 2017

The event will focus on the Horizon 2020 Work Programme 2018-20 in the field of Information & Communication Technologies. It will offer an exceptional opportunity to build quality partnerships with academics, researchers, industrial stakeholders, SMEs and government actors from all over Europe.

The programme will include:

- Information sessions on how to prepare and submit a proposal;
- Information stands on the ICT-related topics of the Work Programme 2018-20 and the content of the calls for proposals;
- A European Commission information desk to supply information on the content and logistics of the event;
- Networking sessions where potential proposers present their project ideas, organised according to the Pillars and Topics of the Work Programme 2018-20;
- Booths, organised by village, which serve as meeting points for people interested in the same research topics;
- Ample space for informal networking and bilateral meetings between participants.
- Workshops and Face2Face Brokerage organised by Ideal-Ist.

Date: Thu, 09/11/2017 - Fri, 10/11/2017

Place: Budapest, Hungary

https://ec.europa.eu/digital-single-market/en/events/ict-proposers-day-2017



Net Futures 2017



We are going through a technological revolution that will fundamentally change the way we live, work, and relate to one another. This transformation led by the Internet, its scale, scope, and complexity, will be unlike anything humans have experienced before. We do not know where exactly this 'internetisation' will lead us to: What will our society look like in 2027?

One thing we do know however, people simply expect a lot more from the Internet, in terms of quality and reach, in terms of security and privacy, and an Internet that is inclusive and supports openness, diversity and responds to the needs of the individuals.

We feel that not all European policy actors share this sense of urgency for action. However, it is imperative to address these challenges or Europe's voice on the future of the Internet will disappear.

The NET FUTURES edition in 2017 will serve as a wakeup call for policy makers and technologist alike, for civil society and the young whose future we will influence. It will be the place for deep-dive conversations and learnings right at a time when Europe is at the brink of entering the next industrial revolution: The Net.

Date: 28/06/2017-29/06/2017 Place: Brussels, Belgium

http://netfuturesconference.eu/



Meet & Match Future and Emerging Technologies



The FET Meet & Match Event 5 and 6 July 2017, jointly organised by FETFX and FET2RIN projects, in the frame of the EBN Congress in Enghien-les-Bains, will be an incomparable opportunity for FET funded researchers, engineers and high-tech SMEs to foster the exploitation of their research results by accessing business leaders including Business Innovation Centres, Innovation Incubators, early stage investors and venture capitalists. Organised in collaboration with the European Business

and Innovation Centres Network, the FET Meet & Match event will take advantage from the participation of more than 400 delegates at the EBN Congress (5th – 7th of July 2017, Enghien-les-Bains, France) in order to point out innovation potential, hidden behind FET funded research and results.

Know-how, technological developments, future paths and sustainability measures will be gathered together, thanks to two days meeting, organised as following:

- the "FET Projects speeddate" with BICs 5th July, afternoon session;
- FET Corner and Networking Sessions 6th July, morning session;
- the "Pitch event" to early investors 6th July, afternoon session.

Agenda available at: www.fetfx.eu

Registration: required at https://fet_meet_match.

eventbrite.co.uk

Participation to the event is made possible by the joint effort of FET2RIN and FETFX: Eligible Travel costs under Horizon 2020 Future and Emerging Technologies

Date: 05/07/2017-06/07/2017

Place: Barrière Business Centre, 87B Rue du Général de

Gaulle,5880 Enghien-les-Bains, France

ID2018 Final version of AB Public Recommendations

The objective of the Advisory Board created by Idealist2018 is to broaden the perspective of the activities and strategies carried out by the ICT NCP Network and provide recommendations for an optimal adaptation to the needs of participants, ICT National Contact Points and the European Commission.

The changes between Framework Programme Seven (FP7) and Horizon2020 (H2020) have spread ICT activities across the whole Programme. Hence a closer relationship with other key players (such as Industrial Associations behind the Public-Private Partnerships (PPP), Advisory Fora, Committees discussing and approving other ICT-related Work Programmes and other NCP groups and networks) is essential to understand the big picture and the difficulties the ICT participants now face when developing their project ideas.

This advisory group is therefore composed of persons with long experience in ICT and key relationships with different parts of the ICT Programme (ICT Committee, Connect Advisory Forum, Joint Technology Initiative ECSEL, different PPP initiatives and Technology Platforms, etc.) who have been invited to this Board to create a brainstorming atmosphere where relevant



ideas can come from outside of the box, with the final aim of creating or adapting the ICT NCP Network's services to the real needs of ICT participants in Horizon2020.

The Advisory Board of Idealist2018 has met twice during the first two years of the project (Vienna, July 2015 and Madrid, November 2016) and discussed various interesting topics related to the execution of the ICT Programme in Horizon 2020. This has led to a series of recommendations that are summarized in the report.



EEN

What is the Enterprise Europe Network all about?

The Enterprise Europe Network (EEN) is the world's largest support network for small and medium sized businesses (SMEs). It has 3,000 experts across 600 member organisations in more than 60 countries. Member organisations include chambers of commerce and industry, technology centres, and research institutes.

The Network helps ambitious SMEs innovate and grow internationally. It provides international business expertise with local knowledge across a range of targeted services:

- Partnership
- Advisory
- Innovation support

The Network offers specialised industry expertise across 17 sectors, including a strong ICT Sector Group with more than 60 experts.

Why is it a core collaboration partner for Ideal-ist?

Horizon 2020 stimulates SME participation across the whole programme, yet with a particular focus on close-to-market support. Ideal-ist has realized this change of focus and has intensified its collaboration with Enterprise Europe Network and more specifically the ICT Sector Group as a Core Collaboration Partner.

Both Networks support SMEs, large enterprises and research organizations in developing ICT research and innovation projects and our services complement each other!

(Read more about the Ideal-ist partnership process here: http://www.ideal-ist.eu/partnerships)

What are the joint activities between both Networks?

The ICT Sector Group of the Enterprise Europe Network has been collaborating with Ideal-ist since 2011. They have been co-organising the Face2Face brokerage events at Horizon 2020 ICT conferences. The Face2Face meetings bring together businesses and research institutes providing collaboration opportunities for proposals under the Horizon 2020 Work Programme and other innovation projects. The events have been a best practice for a win-win collaboration, by bringing together two different communities and bridging the gap between research and market. Further collaboration actions in the past include other brokerage events

(CeBIT, Mobile World Congress) or common workshops. In 2016, the two networks also organised a common workshop: SMEs in Horizon 2020 — Looking for Horizon 2020 support beyond the SME Instrument. It explored risks and opportunities for SMEs to align their innovation strategy and increase competitiveness through Horizon 2020 collaborative projects.

Face2Face Brokerage Event 2016 Statistics:

- 750 participants from SMEs and research institutes
- 46 countries represented
- 3,300 pre-arranged meetings

https://www.b2match.eu/ictproposersday2016

Our common goals

Even though both networks have a different focal point, our common goal and passion is to successfully bring new ICT ideas into the market. Ideal-ist has a very sharp focus on co-financed ICT Projects and a long-lasting experience, whereas the Enterprise Europe Network has a broad community of local experts which are supporting SMEs worldwide. Thus, both networks provide the means necessary to address the needs of the whole ICT value chain:

idea > project > financing > implementation > market introduction > market success > scale-up and internationalisation.

Additional services that are relevant for ICT NCPs

Enterprise Europe Network can help ICT NCPs during:

- 1) The project development phase
- Partner search
- Matchmaking and brokerage events
- Company missions for targeted international meetings
- Co-organiser or promotion partner for regional events and info-days
- Common advisory services
- 2) The project implementation phase
- Key Account Management for SME Instrument beneficiaries
- 3) Getting the results of the project into the market
- Links to other funding or financing sources
- 4) Strengthening the innovation potential of SMEs
- Innovation assessment and benchmarking
- Innovation management
- Advisory services
- 5) Scaling up and reaching into new markets
- Technology-based partner search focusing on internationalization
- Practical advice on doing business in another country
- Targeted market intelligence
- Information on EU laws and standards
- Advice on intellectual property



Business Support on Your Doorstep



All this is great! But how do I reach Enterprise Europe Network?

It's easy! If you don't know your regional partners already, you can locate them and find their contact details at the following map:

http://een.ec.europa.eu/about/branches. You can also get in touch with any of the experts in the ICT Sector Group directly:

http://een.ec.europa.eu/groups/7168/members They are all eager to help!

Practical links

- If you don't find your partners via Ideal-ist Partner Search, search the Enterprise Europe Network database for partnering opportunities
- Take a look at the events calendar or search for an event
- See some of the success stories searchable by country, sector and service to get more information and inspiration.

The Enterprise Europe Network was launched in February 2008 by the European Commission. It is co-financed under COSME (Competitiveness of Small and Medium-sized Enterprises) — an EU funding programme designed to encourage the competitiveness of European enterprises. The programme runs from 2014-2020 with a planned budget of EUR 2.3 bn.



Ideal-ist joins forces with EEN to organize Face2Face brokerage events.

Net4Society



Social sciences and humanities – an added value for your project

For decades, European research was primarily based on the expertise of researchers specialised in life and physical sciences, technology, engineering and mathematics (STEM). Now, the new Horizon 2020 policy looks further – it is based on a premise that integration of social sciences and humanities (SSH) aspects into European research projects is indispensable to generate new knowledge and innovation.

SSH encompasses various disciplines – from sociology, psychology, communication and political science to economics, history, culture, law and ethics. It is evident that the knowledge for solving different societal challenges, including those related to the ICT field, is spread across STEM and SSH disciplines. SSH integration in Horizon 2020 projects can yield

innovative solutions and products that are socially acceptable, directly applicable, marketable and cost-effective. In addition, SSH integration can substantially enhance the impact of the project and support effective dissemination of results and communication with the target group and the wider public.

What does SSH integration mean in practice?

SSH experts contribute to framing Horizon 2020 topics and, consequently, the SSH aspects determined by them must be adequately addressed in Horizon 2020 proposals. In addition, evaluation panels include SSH expertise and the evaluators are trained on how to identify and evaluate SSH aspects. Given the above, inclusion of SSH expertise in project proposals can substantially increase evaluation scores and consequently raise a chance for a grant.

Do all Horizon 2020 projects require SSH integration? The topics that require SSH integration are called



"flagged for SSH" topics. There are two types of them:

- Topics dedicated to SSH research: issues are framed mainly from the SSH perspective and most project partners come from SSH disciplines;
- Topics with significant SSH component: SSH expertise is an integral, though not exclusive, part of the research design of topics, and solutions to the problem are to be generated by integrating knowledge stemming from both SSH disciplines and non-SSH disciplines such as natural sciences, medicine, engineering and technology.

Where in the proposal should SSH aspects be included? SSH aspects should be included in all three parts of a Horizon 2020 proposal, i.e. Excellence, Impact and Implementation, as required by the evaluation criteria.

What do SSH aspects include?

In general, SSH aspects refer to the expertise in the following fields:

- Behavioural aspects,
- Consumption and lifestyles,
- Management, governance,
- Public awareness & acceptance,
- Policy support / assessment,
- Social innovation,
- Markets, business development,
- Economic systems and instruments.

With a specific regard to the ICT theme, SSH involves matters such as user behaviour and acceptance, management and governance issues, risk assessment and management, development of business models, etc.

For more detailed information about SSH aspects in ICT, please see the the document entitled 'Report on the Integration of Socio-economic Sciences and Humanities (SSH) in Horizon 2020', available at:

http://www.net4society.eu/_media/Net4Society_ D3 2 SSH Integration inH2020 PU.pdf.

More information

For more information about SSH integration in Horizon 2020 projects you can visit the website of Net4Society (the international network of National Contact Points for the Societal Challenge 6 "Europe in a changing world: inclusive, innovative and reflective societies"), available at: http://www.net4society.eu/. The website contains numerous documents and publications on SSH integration.

You can also contact your National Contact Point (NCP) for Societal Challenge 6. Information about the relevant NCPs is available at:

http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html

European HPC Summit Week 2017 insight

HPC Summit in Barcelona news and outcomes

The European HPC Summit Week 2017 was organized in Barcelona between the 19th and the 25th of May. The description of this event and its agenda may be found here. During the whole week of lectures and workshops, European HPC community discussed the most important present and future issues. We would like to stress few of them:

- Great impact on scientific research in Europe During PRACEdays17* many case studies of HPC usage in modelling and data analysis were presented along with discussions concerning computing methods and techniques. Presentations from this part of the week are available here. It was also announced that PRACEdays18 will be organized in Ljubljana (more information coming soon link).
- Convergence of HPC and BIG DATA The convergence of HPC and Big Data Analysis opens new important field High Performance Data Analysis (HPDA). It means that centre of gravity in computing moves from compute-centric to datacentric direction. To address this issue tight cooperation of ETP4HPC** and Big Data Value Association (BDVA) was announced
- Closed community and lack of qualified manpower
 –During the opening workshop (organized by EXDCI*** project) it was stated that to address shortage in specialized workforce it is necessary to "open HPC community" and

attract new people to this career path. To achieve this goal HPC centres are organizing open training events and summer schools covering also the very basic issues of HPC. Training announcements and job offers can be found on EXDCI jobs and training portal.

• Importance of cooperation with SMEs – In the process of digitization of European industry it is very important to encourage SMEs to improve excellence of their products and services also using opportunities given by HPC technology. Advanced modelling, scalability tests and other issues too complex to be done using SMEs own resources can be done based on European HPC centres. To ease this process SEASME Net**** prepared a self-assessment tool which helps assessing readiness of SMEs to start cooperation with HPC centre, allows to receive guidance how to improve it and contact with chosen HPC centre. SEASME Net website; self-assessment tool

Due to preparations of 2018-2020 Work Programmes for Horizon 2020, European Technology Platform for High Performance Computing (ETP4HPC) took also active role during the summit and presented important information concerning future calls for proposals.

• CoE, RIA, EsD calls – ETP4HPC announced that in the next calls there would be a continuation of Centres of Excellence initiative and Research and Innovation Actions in HPC field. European Commission (EC) is also preparing



- a European Microprocessor initiative in ICT-LEIT part of Horizon 2020. Information concerning calls for Co-design of Extreme-Scale Demonstrators was the most electrifying for the community. In these calls, there would be a 2-3 proposals founded up to 40 million euros per call. This action is supposed to bring up technologies developed in the FETHPC framework***** up to 7-8 TRL levels and contribute to EC plan of acquiring 2 exascale machines in Europe up to 2022-2023.
- Roundtable: Exploiting the Potential of European HPC Stakeholders in Extreme-Scale Demonstrators (EsD) during this meeting, members of ETP4HPC presented their point of view on the EsD initiative. The most important message would be: Don't treat the EsD as an opportunity to validate or do scalability tests of your technologies.
- Purpose of EsD is to develop operational machines in co-design manner. After that, representatives of FETHPC projects took the floor and presented outcomes of their work. Slides from ETP4HPC Roundtable and more information about EsDs could be found here.
- Strategic Research Agenda preparations On the last day of the summit ETP4HPC had a closed workshop concerning SRA preparations. Workshop's exercises included SWOT analysis on the European HPC Technology Value Chain (with an objective to increase its global market share) and defining HPC global trends such as convergence of HPC and Big Data Analysis, system resilience and increase of complexity and heterogeneity of HPC systems including increasing requirements for storage and I/O.

Some statistics

In 323 H2020 calls 23 568 billion € were distributed among organizations from 138 countries. 93.17% of this budget goes to EU countries. That means 21.950 billion € goes to EU28 in which 20.824 billion € goes to EU15.

Country	Participation in Proposals	Participation in Projects (signed & under prep. GAs)	Requested EC Financing	Promised EC Contribution	S. Rate (Participation)	S. Rate (Financing)
Austria	9653	1616	5 021 690 371,87€	648 796 615,40 €	16,74%	12,92%
Belgium	14554	2606	7 114 552 789,23 €	1 116 614 035,55 €	17,91%	15,69%
Bulgaria	2657	278	820 096 078,86 €	45 340 928,79 €	10,46%	5,53%
Croatia	2086	246	675 127 544,16 €	37 153 213,01 €	11,79%	5,50%
Cyprus	2168	260	913 892 429,54 €	78 147 120,84 €	11,99%	8,55%
Czech Republic	4413	621	1 827 347 981,50 €	159 808 050,66 €	14,07%	8,75%
Denmark	8677	1348	5 170 056 658,49 €	566 032 646,18 €	15,54%	10,95%
Estonia	2008	267	818 769 059,20 €	71 055 409,33 €	13,30%	8,68%
Finland	8518	1183	5 325 268 068,08 €	499 774 930,74 €	13,89%	9,38%
France	29334	5192	16 816 486 349,77 €	2 433 690 838,64 €	17,70%	14,47%
Germany	43416	7235	26 108 181 303,06 €	3 928 197 322,75 €	16,66%	15,05%
Greece	12915	1661	5 876 547 321,18 €	501 607 328,20 €	12,86%	8,54%
Hungary	5000	533	2 420 473 114,66 €	142 526 910,01 €	10,66%	5,89%
Ireland	6284	974	3 697 785 444,04 €	418 165 655,14 €	15,50%	11,31%
Italy	44891	5432	23 874 657 426,73 €	1 937 160 890,24€	12,10%	8,11%
Latvia	1456	177	508 772 323,85 €	38 641 169,10 €	12,16%	7,59%
Lithuania	1666	203	477 753 194,07 €	24 052 343,15 €	12,18%	5,03%
Luxembourg	1086	195	490 859 294,72 €	59 290 844,26 €	17,96%	12,08%
Malta	659	96	191 991 114,68 €	16 266 773,77€	14,57%	8,47%
Netherlands	21485	3689	13 213 594 382,34 €	1 841 224 529,76 €	17,17%	13,93%
Poland	7951	946	3 109 739 685,31 €	218 435 809,77 €	11,90%	7,02%
Portugal	9498	1252	4 274 956 007,18 €	385 192 875,42 €	13,18%	9,01%
Romania	4259	532	1 519 731 476,24 €	89 607 857,66 €	12,49%	5,90%
Slovakia	1934	273	835 365 424,90 €	70 187 223,01 €	14,12%	8,40%
Slovenia	4519	504	1 770 318 343,41 €	143 370 545,67 €	11,15%	8,10%
Spain	42371	5929	22 331 663 684,92€	2 095 218 035,89 €	13,99%	9,38%
Sweden	11146	1786	6 943 132 487,69 €	821 672 320,72 €	16,02%	11,83%
United Kingdom	47352	7354	28 259 079 969,19 €	3 571 231 966,88 €	15,53%	12,64%
Suma	351956	52388	190 407 889 328,86 €	21 958 464 190,54 €	14,88%	11,53%

^{*} PRACE – Partnership for Advanced Computing in Europe ** European Technology Platform for High Performance Computing *** European Extreme Data & Computing Initiative **** Supercomputing Expertise for Small & Medium Enterprise Network, ***** Future Emerging Technologies calls concerning HPC



The MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V is the main beneficiary of H2020 with total 454.3 million € EC contribution, which corresponds to almost 2% (1.92%) of the whole H2020 budget.

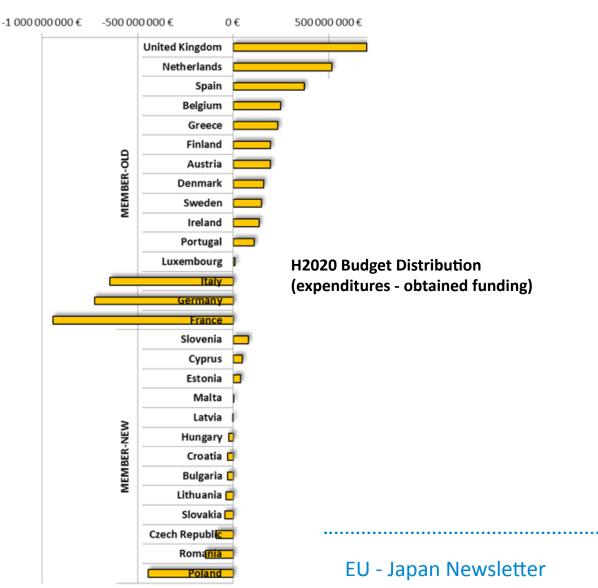
TOP 10 beneficieries	EC contribution [M€]	% participation in H2020 budget
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV	453,3	1,92%
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	379,6	1,61%
FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHU	251,3	1,07%
COMMISSARIAT A LENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	246,4	1,05%
The Chancellor, Masters and Scholars of the University of Oxford	196,8	0,84%
The Chancellor, Masters and Scholars of the University of Cambridge	189,3	0,80%
University College London	185,9	0,79%
IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE	134,9	0,57%
CONSIGLIO NAZIONALE DELLE RICERCHE	122,3	0,52%
Katholieke Universiteit Leuven	122,3	0,52%
	2 282,2	9,68%

In the face of Brexit, we will also take a closer look at UK participation. To summarise UK participation so far in the whole H2020 programme:

UK in H2020 Pillars and Thematic Areas	Number of	Number of	Promised EC
ok iii n2020 Filiais and Thematic Areas	Projects	participations	Contribution
Excellent Science	2462	3167	1 664 747 129
European Research Council	564	614	848 383 665
Future and Emerging Technologies	86	194	114 444 578
Marie Sklodowska-Curie actions	1682	2039	526 497 973
Research infrastructures	130	320	175 420 912
Societal Challenges	1350	2617	1 251 607 102
Climate action, environment, resource efficiency and raw materials	154	334	135 412 391
Europe in a changing world - inclusive, innovative and reflective Societies	108	169	61 929 494
Food security, sustainable agriculture and forestry, marine and maritime and inland water resea	172	365	116 913 387
Health, demographic change and wellbeing	288	623	432 369 115
Secure societies - Protecting freedom and security of Europe and its citizens	108	211	70 384 808
Secure, clean and efficient energy	241	441	241 301 970
Smart, green and integrated transport	279	474	193 295 938
Industrial Leadership	738	1297	536 146 560
Advanced manufacturing and processing	74	141	55 445 884
Advanced materials	39	77	38 438 07
Biotechnology	16	19	12 498 651
Information and Communication Technologies	421	717	329 345 252
Innovation in SMEs	36	80	11 349 464
Nanotechnologies, Advanced Materials and Production	71	112	49 243 770
Space	78	148	39 374 300
Access to risk finance	3	3	451 150
Euratom	34	85	43 841 564
Euratom	34	85	43 841 56
EC	47	86	41 864 303
Cross-theme	47	86	41 864 303
Spreading excellence and widening participation	39	42	18 756 676
Spreading excellence and widening participation - Cross-theme	1	1	38 75
Teaming of excellent research institutions and low performing RDI regions	9	9	12 464 97
Twinning of research institutions	29	32	6 252 950
Science with and for Society	37	60	14 268 633
Develop the governance for the advancement of responsible research and innovation	12	18	4 150 30
Integrate society in science and innovation	10	19	5 415 20
Make scientific and technological careers attractive for young people	8	13	2 140 82
Promote gender equality in research and innovation	5	5	1 269 39
Science with and for Society - Cross-theme	1	2	999 999
Develop the accessibility and the use of the results of publicly-funded research	1	3	292 909
Total	4707	7354	3 571 231 967



If we look at H2020 budget distribution in terms of expenditure vs. obtained funding we can easily find that the biggest beneficiaries of HORIZON 2020 among the EU15 countries are UK, Netherlands and Spain while at the same time France, Germany and Italy are "losing" the most.





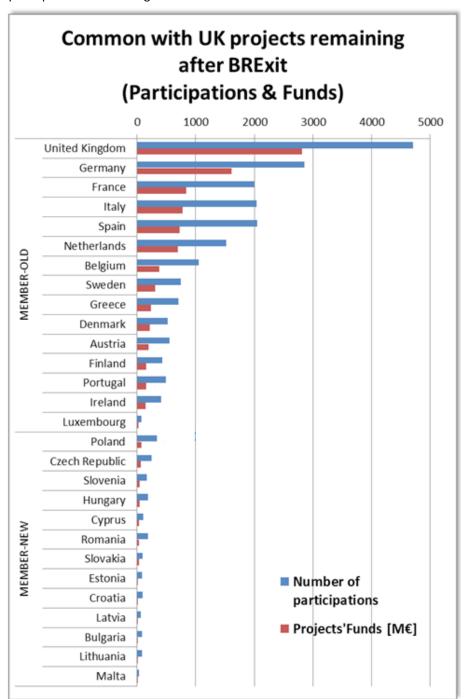
The EU-Japan Centre is pleased to present to you the latest issue of its EU-Japan Newsletter and hope you will enjoy reading it:

http://www.eu-japan.eu/sites/default/files/publications/docs/june17.pdf

The next issue will be released in October.



For the current on-going projects with UK in the consortium, number of EU Member States' participation and financing looks as follows:



Statistics are based on the H2020 database version released after 323 calls.

Follow Ideal-ist!

Visit our website http://www.ideal-ist.eu/

and please follow us on our social media channels:



https://twitter.com/ICT_IDEALIST



https://www.youtube.com/channel/ UCw_3QmWIYPvHCB3Zyg98xcg





https://www.facebook.com/Idealist.ict

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