

DECEMBER 2016

Newsletter

IN THIS ISSUE:

- 1 Big Data PPP
.....
- 2 HPC PPP
.....
- 3 Cybersecurity PPP
.....
- 4 5G PPP
.....
- 5 Summary of the ICT
Proposers' Day Bratislava
.....
- 6 Swiss participation in H2020
.....
- 7 EU – BRAZIL 2017: jointly
engaged in Information and
Communication Technologies
(ICTs)
.....
- 8 Follow Idealist!
.....

Editorial

Dear Readers

The Idealist consortium invites you to read the December 2016 edition of the project newsletter. This is a special issue focusing on contractual public-private partnerships (cPPP) for research and innovation in Horizon 2020. You will find introductory materials, news and highlights from 5 different cPPPs related to ICT: BDVA (Big Data PPP), ETP4HPC (HPC PPP), Cybersecurity and 5G. Idealist2018 has introduced the position of “cPPP ambassador”, so that - for each cPPP there is a project representative responsible for closer cooperation with each particular association. Ambassador will keep an eye on cPPPs and share all important news with the rest of the consortium.

Also in this edition, you can find a short summary of the ICT Proposers' Day in Bratislava, information about Swiss participation and some updates on international cooperation.

We wish you a Happy New Year!

Yours,
The Idealist2018 team



**Special cPPP
Issue**

Big Data PPP



The Big Data Value Association AISBL (BDVA) is a cPPP which is fully self-financed non-for-profit organisation under Belgian law. The Big Data Value Association (BDVA) is the private counterpart to the EU Commission for implementing the BDV PPP programme (Big Data Value PPP). BDVA has over 150 members all over Europe with a well-balanced composition of large and small and medium-sized industries as well as research organizations. It was established in October 2014, is industry driven and has 180 members.

As the ambassadors of this cPPP (Shared by Luxembourg, Hungary and Israel) we have created relations with Ms. Nuria de Lama - Vice-Secretary General, BDVA, Atos Research & Innovation is also active in the Idealist2018 advisory board and has invited the Idealist2018 BDVA ambassador to serve as an associated member in BDVA.

Short introduction – What is the cPPP about

The EU and Industry launched the Contractual Public Private Partnership (cPPP) on Big Data Value in October 2014.

Rationale

Big Data is one of Europe's key economic assets. Harnessing its potential could give European industry a huge competitive advantage. However, today only two out of the top twenty companies changing lives and making money out of big data are European.

For this situation to be reversed, Europe needs to invest to strengthen all parts of the "data value chain", including the people and organisations involved in data whether producing, analysing, using or creating value from it.

What is the PPP about?

The Public Private Partnership links with European industry (large players and SMEs), researchers, academia and the European Commission to cooperate in data research and innovation. The Commission will respond in future Horizon 2020 work programmes and calls for proposals to the main research challenges and needs identified by industry and academia in a Strategic Research and Innovation Agenda (SRIA).

BDV PPP Investment

The European Commission and Europe's data industry have committed to invest €2.5 billion in a public-private partnership (PPP) that aims to strengthen the data sector and put Europe at the forefront of the global data race. Of this, the EU has earmarked over €500 million of investment over 5 years (2016-2020) from Horizon 2020. Private partners are expected to leverage the EU investments of 500 million Euro through sector investments of four times the cPPP budget (ie €2 billion).

- "In the Commission's view, strategic cooperation through a contractual Public-Private Partnership (cPPP) Can play an important role in developing a data community and encouraging exchange of best practices. In line with the principles set out in H2020, the Commission considers that a sufficiently well-defined cPPP would be the most effective way to implement H2020 in this field". Commission Communication "Towards a thriving data-driven economy"-2 July 2014
- "EU action should provide the right framework conditions for a single market for Big Data ". European Council Conclusion – 24/25 October 2013.

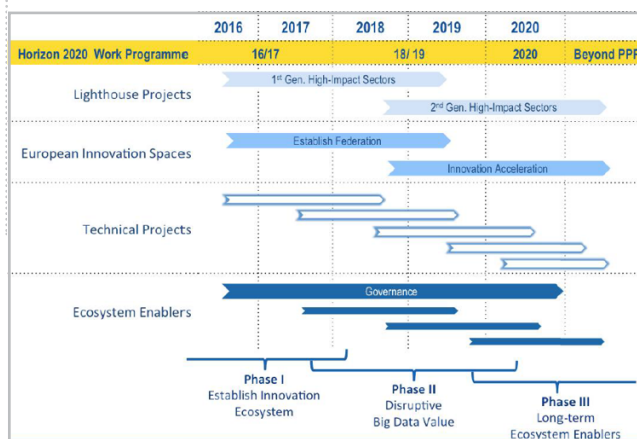
Strategic objectives

I. EU leadership in Big Data technologies through increased investments

II. Create a data market

III. Create a thriving data economy – engine for growth and jobs. The main objective is to roll out an industrial strategy to develop Europe's data driven economy as outlined in the EC Communication- "Towards a thriving data-driven economy" COM(2014)442

The Work Programme 2016-17 implements the 1st phase of Big Data PPP's Strategic Research and Innovation Agenda (<http://www.bdva.eu>)



cPPP H2020 timeline

So far:

- 15 starting projects
- Covering many sectors (business report, retail/fashion)
- Two lighthouse projects in the fields of agriculture and transport

Ambassador profile – Dr. Aviv Zeevi Balasiano

ICT Director at the Israeli Directorate for EU FP – A government agency aimed at promoting joint Israeli-EU R&D ventures within the EU's R&D Framework Program.

Upcoming calls with cPPP related topics

- ICT 14 - Big Data PPP: cross-sectorial and cross-lingual data integration and experimentation (IA) – aka Innovation Spaces (see below) - Budget 27 M€
- ICT 15 - Big Data PPP aka Lighthouse projects (see below): large scale pilot actions in sectors best benefitting from data-driven innovation (IA) – Budget 25 M€
- ICT 16 - Big Data PPP: research addressing main technology challenges of the data economy- Budget 33 M€
- ICT 17 - Big Data PPP: support, industrial skills, benchmarking and evaluation (1 RIA) - Budget 2 M€
- Inducement Prize: Big Data technologies (Other Actions 7). - Budget 2 M€

Details:

- I-Spaces are cross-organisation, cross-sector, interdisciplinary Innovation Spaces aimed at anchoring targeted research and innovation projects. They offer secure accelerator-style environments, bringing technology and application development together for the mining and analysis of private and open data. I-Spaces will act as incubators for new businesses and the development of skills, competence and best practices.
- Lighthouse projects are large-scale data-driven innovation and demonstration projects that will create superior visibility, awareness and impact.

Next PPP call for proposals: 89 M€ from December 2016 to April 2017

Dates of the calls for proposals

- H2020-LEIT-ICT-2017 ICT-14, ICT-15, ICT-16, ICT-17
The Call opens on 8/12/2016 - The Call closes on 25/04/2017 at 17:00 CET

- Inducement Prize: Big Data Technologies Opening of the contest: Q2 2017 Deadline for application: Q4 2017 Award of the Prize: Q2 2018

cPPP inside

The Strategic Research and Innovation Agenda (SRIA)

SRIA defines the overall goals, main technical and non-technical priorities, and a research and innovation roadmap for the European contractual Public Private Partnership (cPPP) on Big Data Value.

The SRIA explains the strategic importance of Big Data, describes the Data Value Chain and the central role of Ecosystems, details a vision for Big Data Value in Europe in 2020, analyses the associated strengths, weaknesses, opportunities and threats, and sets out the objectives and goals to be accomplished by the cPPP within the European research and innovation landscape of Horizon 2020 and at national and regional levels.



The Big Data Value Strategic Research and Innovation Agenda (BDV SRIA) version 2.0 was published by BDVA in January 2016 (resulting from several iterations and consulting processes).

BDVA input for WP2018-2020

The BDVA Strategic Research and Innovation Agenda (SRIA) defines the overall goals, main technical and non-technical priorities, and a research and innovation roadmap for the European contractual Public Private Partnership (cPPP) on Big Data Value.

SRIA as reference document in defining the topics (open consultation from BDVA)

Beginning December'16:

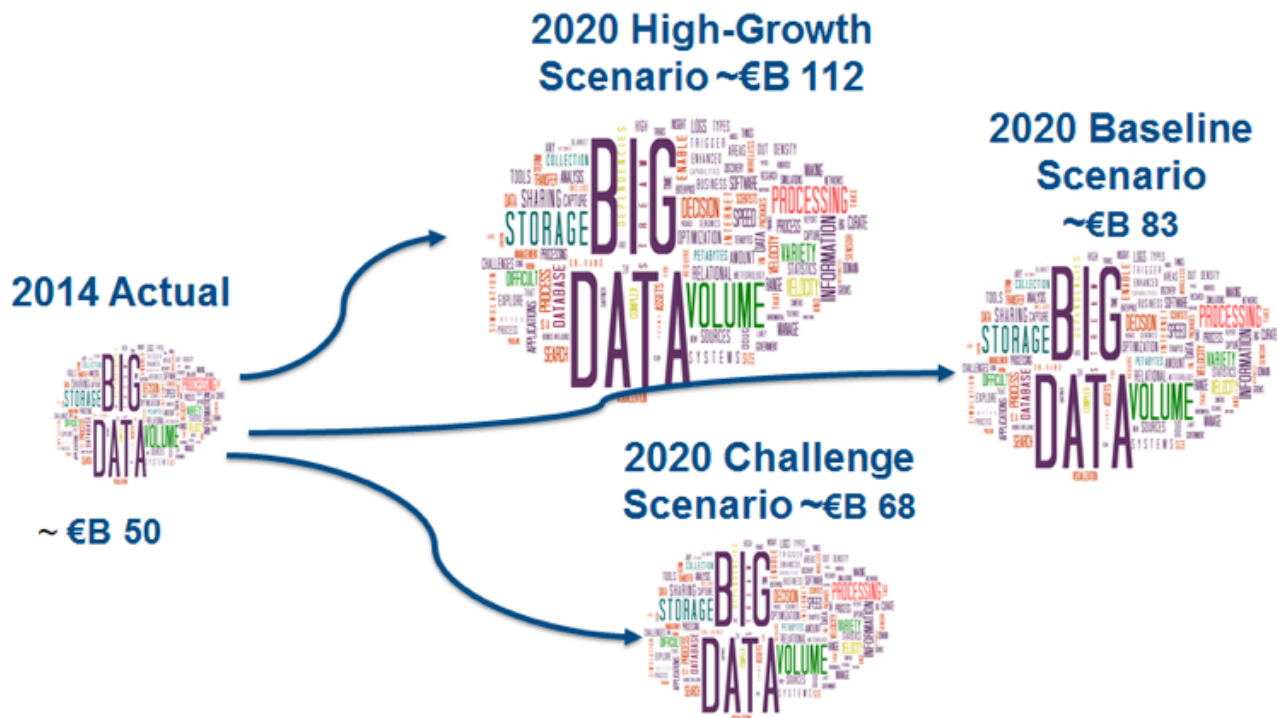
update of this input to WP2018-20, from two main sources: New SRIA update (in process).

Valencia Summit: Parallel sessions at Valencia Summit. General audience.

Mid December'16: final version input to WP2018-20.

Burning questions and answers

A European Data Portal as a one-stop shop. Datasets will be created & managed by public bodies in the European Member States and Associated States. The datasets can be mined via: multi-lingual search/querying; advanced visualization; data aggregation & linking; reuse of Open source code.



Some Issues presented by Javier Hernandez Ros at BDVA summit Valencia 2016

The EU has lost the battle of platforms and must not lose the battle for the Big Data Economy. Except for the technology issues (covered also by H2020) other issues should be covered: Legal environment to access the data, data ownership, licensing, free flow of data, education in the universities, Europe needs to move to:

- Industry 4.0 in order to be competitive,
- Digitization of the EU industry (Cloud, HPC),
- Initiatives like Health 4.0

Javier pointed out that:

- PPP is an opportunity to work with the industry.
- There is a question of where to invest: skills, analytics, HPC.

Industrial Data Platforms

These are virtual environments facilitating the exchange and connection of data between different companies and organisations through a shared reference architecture, common governance rules and within a secure business ecosystem.

- Support the development of competitive data platforms
 - Support the availability of world class data infrastructure in Europe
- Session on cooperation with other European initiatives/projects

- IPCEI- HPC
 - Copernicus- earth observation data by satellites
 - Artemis-Embedded systems industry association.
- There is a BVDA CSA for collaboration which can help cooperation between EU initiatives and the BVDA.

Open Data

- Study on the state of play of Open Data in the EU. Open Data policies and portals in the EU28+: countries are developing more advanced features on their data portals.
- Assessment of Open Data readiness and portals maturity in 2016.
- Open Data Readiness: IE, CZ, LU and SK best performers in 2016.
- Open Data Maturity: ES, FR, IE NL, AT, UK, BG and FI.

Big data opportunities beyond the big data PPP calls (Fernando Martin Galende)

- Societal Challenge 6 (Europe in a changing world – inclusive, innovative and reflective Societies). Call open now, submission deadline 2/2/2017: CO-CREATION-06-2017: Policy-development in the age of big data: data-driven policy-making, policy-modelling and policy-implementation
- Space Program. Call open now, submission deadline 1/3/2017: EO-2-2017: Big Data Shift Adaptation of Big Data technologies to Copernicus user scenarios.
- Societal Challenge 1 (Health). Topic already closed: SC1-PM-18-2016: Big Data supporting Public Health policies
- Societal Challenge 3 (Transport). Call open now, submission deadline 1/2/2017: MG-8-2-2017: Big data in Transport: Research opportunities, challenges and limitations. Studies (CSA) for potential use and application of Big Data in the Transport sector.

Fernando Martin Galende's recommendations:

- Keep an eye on BDV PPP Calls.
- Identify opportunities to use Big Data techniques in other parts of H2020.

- Always evaluate the convenience to use Big Data to solve big challenges in different verticals addressed by Societal Challenges.
- Pay attention to initiatives such as Digitization and other Focus Areas intending to extend the use Of IT in other sectors.
- Consult your National Contact Point.

Byte project:

Big data roadmap and cross-disciplinary community for addressing societal externalities

BDVA SRIA inputs + BYTE considerations

- Data as a service model and paradigm
- Techniques and tools for processing real-time heterogeneous data
- Efficient mechanisms for storage and processing

Session on emerging topics on Big Data.

Topics were as follows:

- User centricity
- Data and algorithms ‘as a service’
- Standardization
- Deep learning
- Alternative computing paradigms
- Data ownership
- Big Data in Software Engineering
- Big Data for Social Benefits
- Free and protected flow of data
- Big Data for Social Benefits

The audience raised two more topics: New sources of data, User defined data

Interesting documents to read

- H2020 ICT-LEIT Work Programme 2016- 17:
<http://bit.ly/1X6je3s>
- SRIA Research Agenda document
<http://bit.ly/2ibI3wi>
- List of BDV PPP Call 1 projects
<http://bit.ly/2jaK4gr>

Relevant events

DG CONNECT-G1 will organize an Info & Networking Day on the 2017 Big Data call in Luxembourg, 17-18/01/2017

Registration is open:

<http://bit.ly/2iixPKQ>

Technical Background Notes are available at:

<http://bit.ly/2ggZCxD>

BYTE project

Final conference

- 9 February 2017
- London, UK

Focus on:

- Smart cities, environmental data and healthcare
- Data analytics for efficient, responsive and innovative environments

Meet key practitioners and policymakers



HPC PPP



Short introduction – What is the cPPP about

ETP4HPC is the European Technology Platform (ETP) in the area of High-Performance Computing (HPC). It is an industry-led think-tank comprising of European HPC technology stakeholders: technology vendors, research centres and end-users. The main objective of ETP4HPC is to define research priorities and action plans in the area of HPC technology provision (i.e. the provision of supercomputing systems). cPPP issues and maintains a Strategic Research Agenda as a mechanism to help the European Commission define the contents of the HPC Technology Work Programmes. It also acts as the “one voice” of the European HPC industry in relations with the European Commission and national authorities. ETP4HPC was formed in October 2011.

High Performance Computing is a key enabler for science, technology and business. Progress in HPC has direct and measurable benefits for tackling grand societal challenges, improving national economies and increasing global competitiveness. Europe need to leverage a stronger HPC value chain to generate value for all stakeholders.

Europe can create a competitive European HPC ecosystem through the following objectives:

- Build a globally competitive, world-class European HPC technology value chain by achieving a critical mass of convergent resources.
- Leverage the transformative power of HPC to boost European competitiveness in science, business and industry.
- Expand the HPC user base, especially among SMEs, through the facilitation of access to HPC resources and technologies.
- Open opportunities for SMEs to participate in the provision of competitive HPC technology solutions.
- Facilitate the provision of innovative solutions to tackle grand societal challenges in Europe.
- Foster international cooperation in research and industry

What ETP4HPC does:

ETP4HPC is the European Commission's partner in the contractual Public-Private Partnership (cPPP) for High-Performance Computing. The objectives of this cPPP are to:

- Develop the next generation of HPC technologies, applications and systems towards exascale (pillar 1).
- Provide access to the best supercomputing facilities and services for both industry including SMEs and academia (pillar 2).

- Achieve excellence in HPC applications delivery and use (pillar 3).

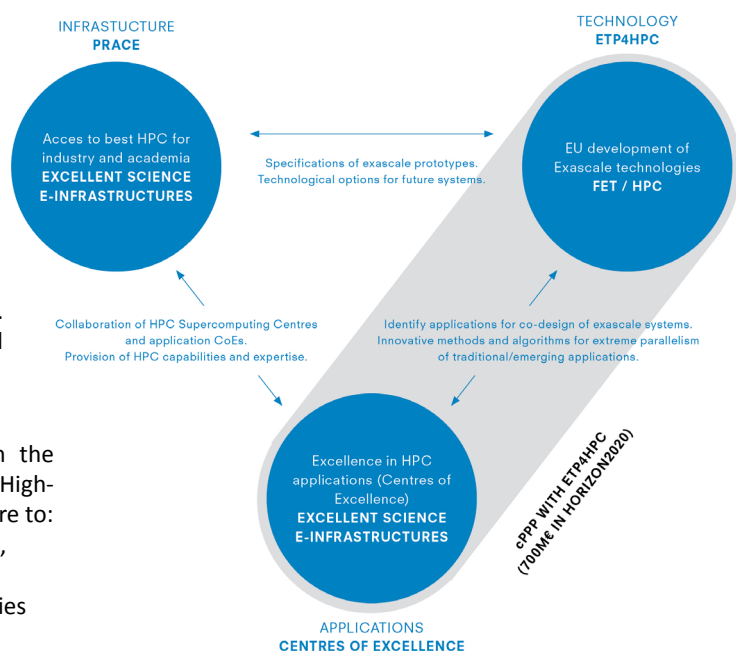
ETP4HPC will:

- maintain the ETP4HPC Strategic Research Agenda as an up to date guideline for the HPC roadmap in Europe
- act as advisory board for the European Community to direct the EC HPC investments to the areas of most impact for HPC development
- organize communication and events (including general assemblies, info days, conferences and trade show participation) to keep Idealist2018 members and the HPC community updated on ETP activities, initiatives, progresses, results and EC communications /decisions.

The HPC cPPP brings together technology providers and users via the ETP4HPC Association and Centres of Excellence (CoE) for computing applications. The cPPP focuses on technologies, usage and applications (pillars 1 & 3) of the European HPC strategy along with training, education and skills development.

The cPPP works in close cooperation with the EU co-funded PRACE e-infrastructure initiative providing access to the best supercomputing facilities and services in Europe to both industry (including SMEs) and academia, thus spanning all aspects of the value chain of HPC and all three pillars of the EC HPC strategy in Horizon 2020.

The cPPP for HPC covers two pillars of the European HPC eco-system: technology provision and application expertise:



Ambassador profile

Aleksandra Ihnatowicz, is an H2020 ICT and FET priority expert of the Polish-NCP, with over 10-years' experience in EC funded research projects. She has been working for the National Contact Point in Poland since the beginning of 2010.

Upcoming call – information on upcoming cPPP related topics

ETP4HPC is working on a draft for the proposal of the next EC Work Programme (2018-20). This document will be delivered to the European Commission in January 2017 and will form the basis of the text for the next HPC Work Programme and related calls for proposals in the area of HPC technology, HPC system prototypes and HPC applications.

The new ETP4HPC SRA will reflect the forthcoming calls. There will be a call for small testing machines (e.g. 4-6 test beds/pilots) to become the base for further development and building of High Performance Computing in Europe.

There will be also a call resulting from the discussion and cooperation with BDVA- HPC in the area of "HPC for big data application".

cPPP inside

Roadmap: The Strategic Research Agenda (SRA):

The objective of the Strategic Research Agenda (SRA) is to outline a roadmap for the implementation of a research program for the development of European HPC technologies. The structural approach used for the creation of the SRA was to combine the technical and market knowledge of ETP4HPC members with feedback from external experts and sources such as:

- Analyses completed by other initiatives (including HiPEAC, EESI and PlanetHPC)
- Input obtained from PRACE
 - Input obtained during workshops and interviews involving industrial HPC end-users
- Input from ISVs obtained through a survey and interviews

Future ETP4HPC Roadmap – Are there any changes expected?

The Strategic Research Agenda is published once every two years. The first one was published in 2013 with an update in 2015. In 2017 there will be new SRA with an update planned for 2018.

Work on the new SRA is in progress and is very complex as more than 200 people from industry, research institutes etc. are working on it. The SRA will be a summary of feedback from all working groups under ETP4HPC (HPC System Architecture and Components, System Software and Management, Programming Environment,

Energy and Resilience, Balance Compute, I/O and Storage Performance, Big Data and HPC usage Models, Mathematics and algorithms, Extreme-scale Demonstrators).

New elements that will be introduced:

- HPC prototypes- PPP aims to build 4-6 pilots-small machines.
- Big Data- setting a tight cooperation with BDVA and including their suggestions. HPC as a tool for big data analytics.

Membership: Why join ETP4HPC?

- Influence the updates of the SRA
- Participate in the definition of the European HPC R&D strategy
- Share your ideas about the evolution of HPC technology
- Pool your actions with those of the other members
- Anticipate evolutions related to your activity
- Increase the visibility and the voice of your organization
- Run workgroups on various HPC matters
- Exchange ideas, make plans, strengthen relationships among HPC leaders to create a stronger European HPC value chain
- Provide opportunities for networking

ETP4HPC currently has 52 full members and 28 associated members.

Full (active) Members

Any organisation which carries out significant research and development activities in the field of HPC technology in Europe (e.g. EU-based or international corporate organisations, SMEs or research organisations) are welcome to join ETP4HPC as Full/ Active Members. These members have the right to vote at the General Assembly in order to elect the Steering Board and they are able to be elected to the Steering Board.

Associated Members

Any organisation with activities related to HPC technology is welcome to become an Associated Member. These members cannot vote or be elected to the Steering Board, but they can participate in all activities of the association.

For 2016, the ETP4HPC board has set the annual membership fees as follows:

Full members	Associated members
Large company 6000 Euro	Associated 200 Euro
Research 3000 Euro	Associated SME 350 Euro
SME 2100 Euro	Associa. individual 350 Euro

Relevant events

Date	Place	Event	Link
16-17 /01/2017	Barcelona	ARM: On the Road to HPC (Mont-Blanc Project)	http://bit.ly/2iiCTyy
17-18 /01/2017	Luxemburg	Information and Networking Days on Horizon 2020 Big Data Public-Private Partnership topics 2017	http://bit.ly/2ggZCxD
03/2017	Munich	ETP4HPC General Assembly	
15-19 /05/2017	Barcelona	European HPC Summit Week 2017	http://bit.ly/2iilG3t
18-22 /06/2017	Franfurt	International Supercomputing Conference (ISC'17)	http://bit.ly/2hZpWMk

Interesting documents to read

- Vision document outlining goals and vision of European HPC: <http://bit.ly/2j5Zw9J>
- First Strategic Research Agenda, 2013: <http://bit.ly/2hRPNTa>
- Strategic Research Agenda Update, 2015: <http://bit.ly/2hSq8if>

Cybersecurity PPP



Short introduction – What is the cPPP about

The cPPP in Cybersecurity, ECSO (European Cybersecurity Organisation) began life in July 2016 and has been working quickly, under pressure, to produce a draft SRIA for use by industry and Horizon 2020. ECSO members include a wide variety of stakeholders such as large companies, SMEs and start-ups, research centres, universities, end-users, operators, clusters and associations as well as European Member State's local, regional and national administrations. Member countries include those from the European Economic Area (EEA), the European Free Trade Association (EFTA), H2020 Associated Countries and Member States.

The ECSO organisation addresses all the cybersecurity challenges Europe is facing. It supports the development of a sustainable, European trustworthy cybersecurity industry providing a suitable level of security and trust in the digital economy and society.

Working groups in which members participate include:

- WG1: Standardisation, certification, labelling and supply chain management
- WG2: Market deployment and investments
- WG3: Sectoral demand
- WG4: Supporting SMEs; coordination with EU and AS countries (in particular East EU) and regions

- WG5: Education, training, awareness, exercises
 - WG6: Strategic Research and Innovation Agenda (SRIA)
- For more information see <http://www.ecs-org.eu/>

Ambassador profile

Kim Davis is the NCP for ICT LEIT in Norway and a member of Working Group 6 of the ECOS cPPP in Cybersecurity.

Upcoming call – any information on cPPP related topics

Although the cPPP contributions will only appear in the 2018-2020 work programme, three calls in Cybersecurity appear in the H2020 2016-2017 SC7 Secure Societies Work Programme:
DS-06-2017: Cybersecurity PPP: Cryptography
RIA Research and Innovation action
25 April 2017 17:00:00

DS-07-2017: Cybersecurity PPP: Addressing Advanced Cyber Security Threats and Threat Actors
IA Innovation action, RIA Research and Innovation action
24 August 2017 17:00:00

DS-08-2017: Cybersecurity PPP: Privacy, Data Protection, Digital Identities
IA Innovation action
24 August 2017 17:00:00
Please note the different due dates.

cPPP inside

Initially membership in the cPPP association was restricted to Member States. After many discussions with the European Commission, EFTA, EEA and Associated Countries in Horizon 2020 were allowed to apply for membership.

The SRIA is in draft form although it has been sent to the Commission for use in composing the next H2020 work programme.

Burning questions and answers

A major question for researchers is where research is being done, as much of what is in the SRIA is close to the market.

Relevant events

Cybertech (31 Jan-1 Feb)

Jan 31, 2017, Tel Aviv (IL)

FIC 2017 - International Cybersecurity Forum (24-25 Jan)

Jan 24, 2017, Lille (FR)

5G PPP



Introduction – What is the cPPP about

The 5G-Infrastructure-PPP is a 1.4 Billion Euro joint initiative between the European ICT industry and the European Commission. The aim is to rethink the infrastructure and to create the next generation of communication networks and services that will provide ubiquitous super-fast connectivity and seamless service delivery everywhere.

The 5G PPP will deliver solutions, architectures, technologies and standards for the ubiquitous next generation communication infrastructures of the coming decade.

The challenge for the 5G Public Private Partnership (5G PPP) is to secure Europe's leadership in the specific areas where Europe is strong or where there is potential for creating new markets such as smart cities, e-health, intelligent transport, education or entertainment & media.

The 5G vision is to create a high capacity ubiquitous infrastructure integrating telecoms and IT within the next 10 years.

Strategic Documents for 5G

5G for Europe: An Action Plan, Brussels, 14.9.2016

A lack of coordination between national approaches concerning the roll-out of 5G networks creates a significant risk of fragmentation in terms of spectrum availability, service continuity across borders (e.g. connected vehicles) and implementation of standards. This is why the Commission is proposing an action plan, as a means of fostering coordination, which aims to build momentum for investment in 5G networks and to create new innovative ecosystems. Thus enhancing European competitiveness and delivering concrete benefits to society.



"5G Manifesto for timely deployment of 5G in Europe", Brussels, July 7th 2016

The manifesto presents a consolidated industry view developed by board-level executives from the telecoms sector (BT Group, Deutsche Telekom, Ericsson, Hutchison Whampoa Europe, Inmarsat, Nokia, Orange, Proximus, Royal KPN, SES, Tele2 AB, TIM - Telecom Italia, Telefonica, Telekom Austria Group, Telenor Group, Telia Company and Vodafone) and leading companies.

The 5G Manifesto intends to foster effective interactions and collaboration with industry verticals, the formation of ecosystems as a result of large-scale demonstrators and, last but not least, an investment-centric policy framework - bringing together the key levers to ensure European digital leadership in 5G and beyond.

<http://bit.ly/29kVOoh>

Upcoming call – any information on cPPP related topics

There are no specific 5G related call topics in the remaining calls of the ICT WP 16/17.

In the scoping paper, which is the basis for the H2020 ICT WP2018-20, the third phase of the 5G cPPP strategic R&I agenda will be outlined. Phase 3 aims at moving towards technology validation, implementation and usage, with an increased share of innovation actions. It will be structured around the following priorities:

- End-to-End 5G platform
- Trials for KPI validation involving verticals
- 5G Long Term Evolution
- 5G core technologies innovation
- Network innovation with 5G third party services

Related Initiatives

The Commission strategy for the Digital Single Market (DSM strategy) and the Communication "Connectivity for a Competitive Digital Single Market: Towards a European Gigabit Society" underlines the importance of very high capacity networks like 5G as key assets for Europe to compete in the global market.

Developments of regional hubs (Digital Innovation Hubs) and 5G competence centres. Direct links to 5G standards research/innovation hubs in multiple member states developments through 3G PP and ONF. Regular coordination concerning 5G activities with Member States through FIF (Future Internet Forum).

Links with other cPPPs like PPP Big data or another upcoming cPPP – a large initiative that will be launched, with the objective of addressing in a holistic and interdisciplinary way the essential architectural and service building blocks of a next generation Internet (cPPP NGI), strengthening its open character and driving it towards decentralisation.

Idealist Ambassador

Thomas Zergoi (FFG, Austria) is the ambassador for the 5G cPPP. Thomas is responsible for keeping Idealist updated on 5G related information relevant for H2020. He has good links to 5G representatives and continuously follows PPP developments.

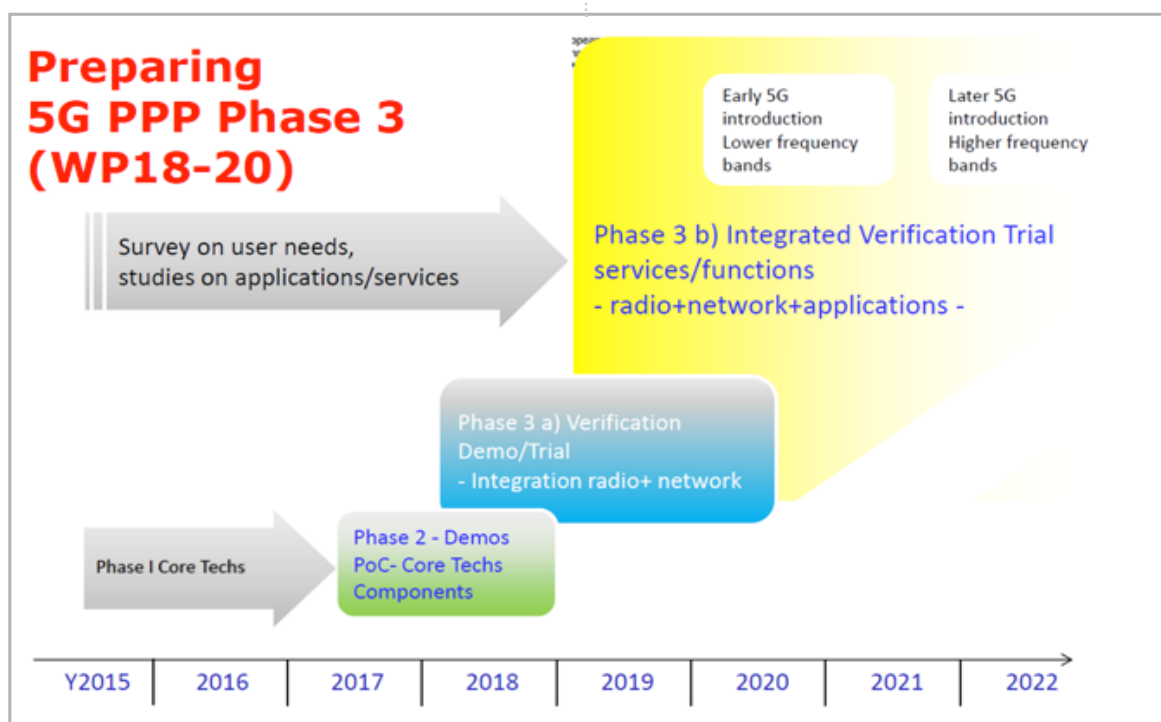
5G - highlights, news, events

Past events with useful presentation and information: Second Global 5G Event on 9-10 November 2016, Rome (Italy)

<http://bit.ly/2ifVVFI>

BERLIN 5G Week, October 31 - November 4, 2016

<https://5g-ppp.eu/event/berlin-5g-week/>



Summary of the ICT Proposers' Day Bratislava

For each major H2020 ICT event Idealist2018 works closely with the European Commission to design and offer a set of NCP activities that are of value to the participants. This year Idealist2018 organised the following series of activities at the ICT Proposers day in Bratislava (26-27 September, Slovakia). Idealist2018 highly appreciated the help and support of the European Commission for planning and organising these activities.

Face2Face Brokerage Event

The Face2Face event addressed ICT topics across Horizon 2020, also highlighting cPPP areas of activity. This year the event attracted 900 registered participants from 46 countries who took part in 3,400 bilateral meetings. To ensure productive meetings with best matching of participants, Ideal-ist National Contact Points, with support from quality team members, checked profiles and project ideas, and advised participants on how to improve them. 31 NCPs and 15 EEN members took part as support staff for this brokerage event.



Idealist Booth

The main objective of the Idealist exhibition booth was to attract the attention of conference participants and share with them information about the project and its activities at the conference.

The Idealist2018 booth was very well situated in the front of the main entrance close to the EC info point and attracted the attention of many the participants.

The new video trailer and bright green T-shirts ensured high visibility and caught participants' attention. Those who passed by received an Idealist leaflet and multifunctional tool gadget that emphasised the various services that Idealist offers our clients. Passers-by also received information about:

- Idealist services in general
- Workshops taking place in the NCP room
- Face2Face brokerage
- Idealist's full proposal check event
- National NCP representative

Workshop: Help! I am a proposal coordinator!

Around 125 attendees participated in the workshop "Help! I am a proposal coordinator!". Responses to the evaluation questionnaire were solidly supportive of the event. The workshop format had three elements: a presentation by Richard Sanders of SINTEF in Norway on his experiences with well managed and poorly managed proposals; a panel discussion with six experienced project coordinators concerning challenges in proposal coordination and a question and answer dialogue with the audience. The project coordinators came from: a large industrial company, a university, two SMEs, and two RTOs. Countries represented at the workshop included Norway, Greece, Israel, Ireland, Latvia and Italy. A report has been drafted and will be available publicly when finalised. A film will be produced based on the results at a later date.

Workshop: Inside contractual Public Private Partnerships

The objective of the workshop was to give participants an answer to strategic, organisational and political questions on Public Private Partnerships of relevance to ICT. All seven ICT relevant cPPPs (5G, BigData, Cybersecurity, Factories of the Future, HPC, Photonics, Robotics) were represented and all speakers actively contributed to the discussions. Following the discussion it is obvious that there are strong synergies among the cPPPs and that further cooperation between cPPPs should be followed. More than 50 people participated in the workshop. The presentation of the cPPP Cybersecurity was highlighted as very useful. Furthermore having all cPPPs together in one place and giving the audience the chance to ask questions was much appreciated. Overall the workshop was successful and rated highly.



Workshop: SMEs in Horizon 2020 - Looking for Horizon 2020 support beyond the SME Instrument

The workshop's objective was to explore approaches, risks and opportunities that can help SMEs increase their competitiveness through Horizon 2020, especially those participating for the first time. The workshop was moderated by Michael Remes from EFPC (UK) Ltd. Four SMEs that are successfully participating in collaborative actions presented their experiences and important lessons learnt, providing information to proposers on the challenges and obstacles - SMEs may face concerning their participation in H2020. They also pointed out the added value that an SME can bring to a consortium. The scope of the workshop was to link SMEs in a dialogue with the main support networks (Ideal-ist, Enterprise Europe Network, Access4SMEs) which provide tools that aim to facilitate their participation. Among the key messages that emerged from the presentations and the Q&A session that followed were: proposers should define their goals first; be specific and start early with their proposal preparation; pay special attention to the Consortium Agreement; clarify IPR issues; and refer to their local NCP for further support. The attendees numbered around 65 and the feedback was strongly positive, mostly due to the - SME representatives' - highly targeted approach.



Participation in Work Programme & Information Sessions

At least one Idealist representative was scheduled to be present at each Work Programme and networking session. Idealist representatives took notes of presentations of call requirements, as well as question and answer sessions that provided clarifications. Idealist compiles this informal information as a valuable knowledge base to support proposers.



Workshop "EU-CELAC Synergies and Cooperation Opportunities around ICT"

This workshop aimed at introducing concrete opportunities and advantages for collaboration of the EU-CELAC scientific community with stakeholders in ICT and e-Infrastructures. Jointly organized by the ALCUE NET project, the Idealist Network, and the RICH project, the participants received information about specific calls and initiatives where the CELAC institutions can have a significant role. In addition, "newcomer" ICT and e-INFRA NCPs will be able to strengthen their capacities and be involved with major networks in which they can better do their work.



During the first session, RICH and Idealist representatives presented the respective NCP networks and the services that the Networks provide to the European and Third Countries stakeholders. In addition, experiences and best practices, in particular in the areas of ICT and e-Infrastructures, were shared with all participants. In the second session information about specific calls and initiatives where the CELAC institutions can have a significant role were presented. Finally, during the last session a discussion among all participants was focused on identifying common needs to support future cooperation on ICT research and proposing recommendations for the SOM process.

Presentation of Idealist services, with focus on the Online Tool for Pre-Proposal Check (pilot phase) within the "H2020: How to make a Proposal" sessions

The objective of the presentation given by Idealist representatives during the three "How to make a proposal" sessions was twofold: first, to present Idealist services in general to the participants, and secondly, to inform them of the launch of the new Pre-proposal Check Service, available online as of October 2016. The main message conveyed during the presentation was that Idealist offers a support mechanism to the ICT research community addressing all stages of the preparation of proposals as well as project management. Support covers the early stage of a proposal idea/outline through the online pre-proposal check service launched in October 2016. It also supports proposers in finding partners for their proposals through networking events and an online partner search tool, and provides expert advice before proposal submission by organising on-site and/or remote full proposal check activities with the involvement of experts.



Additionally, an online toolbox for proposers, functions as a continuously updated database of information openly accessible to proposers through the network's website, and includes various presentations, factsheets, videos and other material. The online pre-proposal check tool ensures ease-of-use and includes a form to be completed by proposers online and submitted to their local NCP for feedback. It provides a mechanism to facilitate the process of pre-proposal checks at the national level in an effort to fill the gap following the EC's decision not to perform pre-proposal checks for Horizon 2020 proposals. For the pilot phase of the launch, 21 Ideal-ist representatives expressed an interest to provide the service to their local research community.

Participation in the sessions was very satisfactory, as was the feedback received. The main questions raised were regarding matters of confidentiality and the choice of experts for the full proposal checks. During the "Meet the speaker" session following the end of the presentations, comments received by participants were overall positive with regard to the ongoing and new services provided by Idealist.



Swiss participation in H2020

Following the signature of the Croatia protocol on Friday Dec 16 by the Swiss government, the EC announced that Switzerland is fully associated to Horizon 2020 as of 1.1.2017:

<http://bit.ly/1qzPFXh>

<http://bit.ly/1mAP4mM>

and updated the list of Associated Countries accordingly:

<http://bit.ly/1nvSTaF>

If you are aware of Swiss partners in consortia, please make sure that they apply as an Associated Country (and not as a Third Country). Euresearch also maintains a FAQ that you can find here:

<http://bit.ly/2ilSxnQ>

under: Frequently Asked Questions to the New Status of Switzerland as Associated Country in Horizon 2020

The Swiss partner can contact her/his Euresearch Regional Office if further clarifications are needed:

<http://bit.ly/2iMMQb6>

or Swiss NCP (Francesco Kienzle, francesco.kienzle@euresearch.ch).

EU - BRAZIL 2017: jointly engaged in Information and Communication Technologies (ICTs)

The established cooperation between Europe and Brazil has a long-lasting origin, based on the first Bilateral Agreement for scientific and technological (S&T) cooperation, signed in 2004, which came into force in 2007 and was renewed in 2012 for 5 more years.

On October 2016, the European Commission renewed its commitment to fostering International Cooperation in research and innovation through the adoption of the Communication COM(2016) 657 and the Commission Staff Working Document related to "Priorities for international cooperation in research and innovation".

The EU and Brazil, which are close trading partners, have been cooperating on Information and Communication Technologies (ICT) since 2008 through the agreement of a Joint Action Plan. More recently, the Bilateral Agreement and the European Communication COM (2016) 657 represent the legal basis of the establishment of the past three coordinated calls jointly funded by Brazil and the EU in the last six years.

Günther H. Oettinger, in charge of the Digital Economy and Society, in the frame of the Mobile World Congress 2016, said: "After landmark agreements with China, Japan and South Korea, today's cooperation initiative with Brazil is a new key step towards 5G. Neither Europe, nor Brazil can afford to lag behind in the digital era.

With today's agreement we have notably committed to cooperating on the take-up of 5G in so-called vertical industries such as transport or energy. International agreements are complementary to our efforts to deploy the technology in the EU and the work we are starting today to prepare a 5G action plan for the EU".

The fourth Joint Call under the LEIT-ICT part of the WP 2016-17 of Horizon 2020 is currently open (H2020-EUB-2017) with deadline 14th March 2017. A total of 16 M€ (8M€ from EC and 8M€ from Brazil - Ministry of Science, Technology, Innovation and Communication, through Rede Nacional de Ensino e Pesquisa) will be redistributed to organizations from EU and Associated Countries and from Brazil which will submit Research and Innovation (RIA) proposals in the following areas:



Cloud Computing:

the focus of the joint research will be the development of innovative technologies for next generation cloud infrastructures and services able to cope with the challenges from different application domains in business and societal contexts.

IoT Pilots:

the joint call aims to support three pilots each addressing a distinct area among the following areas of interest for EU-Brazil collaboration: Environmental monitoring; Utilities: smart water management; Utilities: energy management at home and in building; Smart assisted living and well-being; Smart manufacturing: customization.

5G Networks:

the focus of the joint research in 5G Networks will be to test and validate (through prototypes and user experiments) technologies currently contemplated for early 5G standardization, primarily at radio access level but with a clear use case focus.

When preparing RIA proposals organizations should pay attention to specific eligibility criteria for this call:

- Proposal submission needs to be done on both sides (in English): European Commission through the Participant Portal (deadline 14th March 2017; 17.00 CET); Rede Nacional de Ensino e Pesquisa (deadline 14th March 2017; 23.55 BRT).
- Different annexes for both sides as budget for EU side needs to be defined in Euro and budget for Brazil side needs to be defined in Reais.
- A coordination agreement with all the participants in the coordinated project. A draft of this agreement has to be provided with the proposal.



Several initiatives have been launched during the last few years on Cloud Computing, Internet of Things and 5G:

Cloud Computing	IoT Pilots	5G Networks
<p>Several EU- Brazil collaborative projects has been launched in the field of Cloud Computing during past Joint Calls (e.g. SecureCloud and EUBRA-BIGSEA projects).</p> <p>The main entry point for the international dialogue between Europe and Brazil in Cloud Computing, is the EU Brazil Cloud Forum project, which aims to establish a cooperation model in order to formulate EU-Brazil common policy and research strategy in the field.</p>	<p>On March 2015, the Alliance for Internet of Things Innovation (AIOTI) was established, as a primary consultation board in order to develop and support the dialogue and interaction among the Internet of Things (IoT) various players and the EC. The Brazilian Ministry of Science has an equivalent initiative called the IoT Chamber, which brings together various stakeholders to support a formulation of the national IoT policy. Also, important to note is the IoT-EPI, a cluster of H2020 funded projects which will establish a common knowledgebase on IoT-platform technologies.</p>	<p>On December 2013, the European Commission launched the Public Private Partnership on 5G (5G PPP). This is the EU flagship initiative to accelerate research developments in 5G technology, through the European Commission's support formed by €700 million public funding to be provided through the Horizon 2020 Programme.</p> <p>The 5G PPP represents the main industrial association in fifth generation technologies and the main consultation board of the European Commission.</p>

Special provisions are required to be met by the Brazilian counterparts with regard to the eligibility rules, in particular:

- Although any Brazilian institution can be part of a consortium, only Research institutions accredited by CATI (Comitê da Área de TI) and Companies incubated in CATI accredited centres can get funding:

<http://bit.ly/2j9ozIV>

- The reimbursement of indirect costs from RNP will be restricted up to 10%;
- A minimum of 44.45% of the budget must fund institutions in priority regions of influence: SUDAM (Amazonia region), SUDENE (Northeast) and West-centre.

Idealist offers a unique and quality-labelled Partner Search and other services aimed to help ease participation in Horizon 2020.

Additional partner as well as more information on the Joint Call are also provided by the INCOBRA project (Increasing international STI cooperation between Brazil and the European Union) which organized on 6th of December 2016 a recorded webinar on the "EU-Brazil ICT joint call 2017", available at <http://bit.ly/2iJDE4Z>

Where can I find more information on the call for proposals H2020-EUB-2017?

H2020-EUB-2017- Participant Portal :

<http://bit.ly/2iGM4w2>

Rede Nacional de Ensino e Pesquisa:

<http://bit.ly/2iVC3Zp>

H2020 Brazilian National Contact Point- Dr. Moacyr Martucci: mmartucci@usp.br

Follow Idealist!

Visit our website

<http://www.ideal-ist.eu/>

and please follow us on our social media channels:



<https://www.linkedin.com/company/ideal-ist-eu>



https://twitter.com/ICT_IDEALIST



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



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