



Dear ETP4HPC Partners,

In the third quarter of 2016, our organisation focused on developing the concept of the Extreme-scale Demonstrators (EsDs). These EsDs form part of our Strategic Research Agenda (SRA) and are foreseen as prototypes for future European Exa-scale systems, with the objective to verify the validity and usability of European HPC technology, which is funded under FP7 and H2020.

Further relationships with the Big Data Value Association (BDVA) - and Big Data PPP - were developed during the EXDCI annual meeting, which provided an ideal occasion for supporting these actions. We held two working sessions (21-22 Sept 2016, Barcelona) in order to receive feedback concept from European HPC system integrators and The Big Data Value Association (BDVA) on the current state of the EsDs.

The meeting was also an opportunity to bring together scientific cases and technology roadmaps, jointly elaborating on how to relate application specifications to HPC architectures, and to prepare the first set of global recommendations for European HPC technology development (i.e. the provision of supercomputing systems). These actions also contributed to the consolidation of the input delivered to the EC in preparation of the Work Programme 2018-2020, which will represent the next round of H2020 funding.

ETP4HPC Office

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## **Dr. Kalbe of EC HPC & Quantum Computing Unit met ETP4HPC on the occasion of his BSC visit, Sept 23**

26/09/2016

Dr. Gustav Kalbe, Head of the new EC HPC & Quantum Computing Unit, met ETP4HPC on the occasion of his BSC visit. He joined the steering board meeting, where he provided an update on the EC-related developments, saying that HPC remains one of the top priorities of this new DG with ETP4HPC remaining the body contributing to the EC's research work programme. He also met with Jim Kenneally (Intel) [Big Data Value Association](#) (BDVA) representative.



## **EU Public call opened for applications to extend membership**

22/08/2016

The European Commission has opened a public call for applications to extend membership of the high-level expert group on quantum technologies to include Type B and Type C members.

Type B members are "individuals applying to be appointed to represent a common interest shared by stakeholders in a particular policy area" and Type C members are "organisations".

More details of the scope and the application form on:

[http://ec.europa.eu/transparency/regexpert/index.cfm?do=calls.calls\\_for\\_app](http://ec.europa.eu/transparency/regexpert/index.cfm?do=calls.calls_for_app)

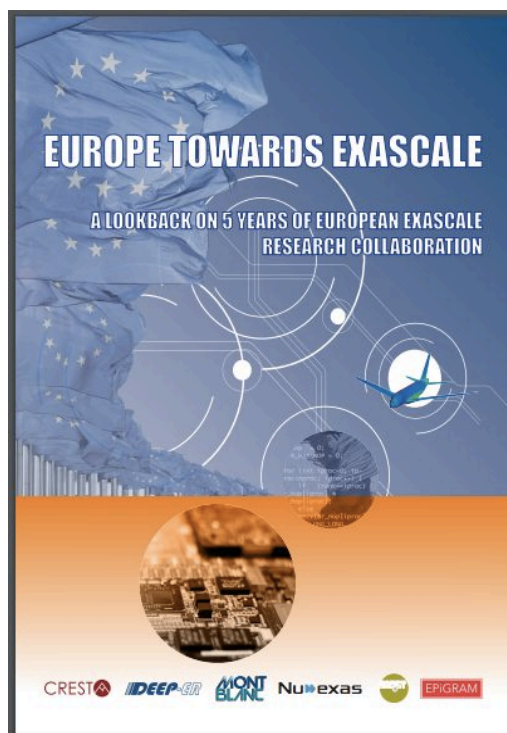
## New Report Looks at European Exascale Projects

18/08/2016

The European Exascale Projects team published a [new report](#), which summarises the results from the last five years of research.

This report includes the summaries of the six FP7 HPC Technology Projects (in operation from the European Commission's previous programme – Framework Programme 7 (FP7)), namely: CRESTA, DEEP and DEEP-ER, EPIGRAM, EXa2CT, Mont-Blanc (I + II), and Numexas.

You may download the report [here](#).





## ETP4HPC New Message Board

22/08/2016

We have created a message board on our website where announcements by our Members are posted.

The Office of ETP4HPC moderates the contents of the messages posted (e.g. we verify the source and we only allow our members or other organisations we know to send in their messages) however, we do not take responsibility for the contents.

The direct link to this message board is: <http://www.etp4hpc.eu/en/message-board.html>



## New Members - July-September 2016

Since the end of June 2016 we have new comers to ETP4HPC, as it grows in size and momentum. We have had the pleasure of welcoming three new members. These are as follows:

### Full members:

- Centro de Investigaciones Energéticas Medioambientales y Tecnológicas (CIEMAT) – Research Organisation
- University Carlos III of Madrid (UC3M) – Research Organisation

### Associated members:

- Streamcomputing BV - SME



[CIEMAT](#) (Centro de Investigaciones Energéticas Medioambientales y Tecnológicas) was formed in 1951 for the development and leadership of R&D projects in the fields of Energy, Environment and Technology, placing the institution at the forefront of science and technology. As a technological research centre, CIEMAT fosters links between academia and industry.



[University Carlos III Madrid](#) researchers have been working on high performance computing and parallel I/O for large scale distributed memory supercomputing architectures for several years with the aim of providing a collaborative environment.



[Streamcomputing BV](#) a Dutch SME optimises software and data-processing performance of existing code, programming CPUs, GPUs and FPGAs, giving training in HPC languages and developing high-performance software.



## **Roundtable on Digitising European Industry, September 20, Brussels**

21/09/2016

Centre Albert Borschette, Brussels

The Chair of ETP4HP attended, as an observer, the Roundtable on Digitising European Industry with Commissioner Oettinger, with also Commissioners Bienkowska and Moedas present.

This Roundtable kicked-off the governance and coordination framework for the "Digitising European Industry" (DEI) initiative. You can read the objectives, agenda and background to this kick-off [here](#).

The next Roundtable will take place in April 2017.



## **EXDCI Technical Meeting, BSC, September 21-22, Barcelona**

23/09/2016

The [European Extreme Data & Computing Initiative](#) (eXDCI) held a technical meeting at Barcelona Supercomputing Center, was facilitated by François Bodin, who is the scientific director of the initiative.

During the first day of this technical meeting, there was: a keynote given by Jim Kenneally, Intel, on behalf of [Big Data Value Association](#) (BDVA), with reviews and analysis of Big Data related use cases provided by BDVA (the objective of this workshop was to align the scope of the EsDs with the requirements of the association's community); a presentation by [Future Emerging Art and Technology](#) (FEAT); and Work programme presentations and interlock sessions.

The second day started with a presentation by Theo Ungerer and Paul Carpenter on [EuroLab4HPC](#), and was followed by two workshops on [Extreme-scale Demonstrators](#) (EsDs). These workshops consisted of presentations by European organisations as integrators of EsDs, the objective being to align the scope of the EsDs with the requirements of the European integrators and determine how they would like to get involved in potential EsD projects.

The afternoon brought a close to the technical meeting with a talk from François Bodin on 'Global Vision Consolidation' and he concluded the meeting with Sergi Girona.

EXDCI's objective is to coordinate the development and implementation of a common strategy for the European HPC Ecosystem. The two most significant HPC bodies in Europe, PRACE and ETP4HPC, join their expertise in this 30-month project with a budget of € 2.5 million, starting from September 2015. EXDCI aims to support the road-mapping, strategy-making and performance-monitoring activities of the ecosystem.



## **ETP4HPC EsD Integrators Workshop, BSC, September 22**

23/09/2016

ETP4HPC facilitated a workshop on Extreme-scale Demonstrators (EsDs) during the second day of the EXDCI Technical Meeting held at Barcelona Supercomputing Center (BSC), September 22. The facilitators were, Thomas Eickermann of Jülich Supercomputing Centre, and Michael Malm and Marcin Ostasz, ETP4HPC experts.

The objective of this workshop, ETP4HPC EsD Integrators Workshop – The voice of system integrators, was to align the scope of the EsDs with the requirements of the European integrators and determine how they would like to get involved in potential EsD projects. You can view the presentations used at the workshop [here](#).



## Big Data Value Association (BDVA) at BSC, September 21-23, Barcelona

26/09/2016

The [Big Data Value Association](#) (BDVA) assisted at several meetings at Barcelona Supercomputing Center (BSC) from September 21-23. Over these three days, BDVA took part in various meetings and workshops. During the first day of the EXDCI Technical Meeting, which took place September 21-22, Jim Kenneally of Intel gave a keynote on behalf of BDVA. He also facilitated a workshop with Michael Malms, an ETP4HPC expert, on 'Reviews and analysis of Big Data related use cases', which were provided by BDVA. The objective of this workshop was to align the scope of the Extreme-scale Demonstrators (EsDs) with the requirements of the association's community. You may view the slides used during this session [here](#).

Jim Kenneally also attended the ETP4HPC Steering Board meeting on September 23, where he delivered an update on BDVA to the board. He also met with Dr. Gustav Kalbe, Head of the new EC HPC & Quantum Computing Unit, who provided an update on the EC-related developments. Dr. Kalbe said that HPC remains one of the top priorities of this new DG with ETP4HPC remaining the body contributing to the EC's research work programme.

Read BDVA's article 'Strengthening Big Data Value PPP and HPC PPP collaboration' [here](#).



## Ideal-ist Workshop: Inside cPPP-ICT Proposers' Day 2016, Bratislava

29/09/2016

Incheba Conference Center

During the ICT Proposers' Day 2016, Marcin Ostasz, ETP4HPC Office expert/BSC, took part in the panel discussion, during the 'Inside contractual Public Private Partnerships' (cPPPs) Ideal-ist Workshop, with other cPPP representatives. The areas of discussion covered: 5G; Photonics; [HPC](#) (by Marcin Ostasz); Cybersecurity; FoF; Big Data; and Robotics.

Carlos Oliveira, DG Connect, gave an introduction to this workshop, where questions such as: What is a cPPP?; What role do they play within H2020?; What are the ECs expectations towards cPPPs and H2020?; What about the collaboration between EC and cPPPs (in particular regarding topic definition for the H2020 Workprogrammes)?; Looking forward to WP2018/19 – will the role of cPPPs change?; were addressed.



This workshop was coordinated by Idealist and jointly co-organised with the European Commission. The aim of the workshop was to give participants (proposers and policy makers) an idea about cPPPs work, their approach and vision, with the cPPPs statements giving answers to questions regarding membership, cPPP structure and vision and providing the audience with an insight into what it means to be linked with, informed about the PPP and to what extent it is important to know about the cPPP activities whilst being active in the research field.





## **Birds-of-a-Feather Session at Supercomputing'16, November 13-18 2016, Salt Lake City**

From 13/09/2016 to 18/11/2016

Salt Lake City, November 13th to 18th, 2016

ETP4HPC will attend [SC16, Supercomputing 2016](#) (13-18 November 2016, Salt Lake City) and will on behalf of EXDCI organise a [Birds-of-a-Feather Session on Wednesday 16th of November, Room 155-A, from 10:30am to 12pm](#) with the objective of continuing the presentation of the European HPC Technology, following the success of the [Birds-of-a-Feather session at SC15](#).

**Save the date!**



## **CompBioMed Kick-Off Meeting, London, October 3-4, 2016**

From 03/10/2016 to 04/10/2016

CompBioMed is a new user-driven Centre of Excellence in Computational Biomedicine, which nurtures and promotes the uptake and exploitation of high performance computing within the biomedical modelling community.

ETP4HPC will deliver a presentation for the CompBioMed Kick-Off meeting, which will be held in London on the 3rd to 4th of October 2016.



## **3rd International Conference on Research Infrastructures (ICRI 2016), October 3-5, 2016, Cape Town**

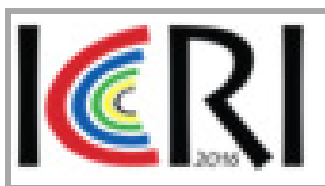
From 03/10/2016 to 05/10/2016

ICRI 2016 is the unique forum to structure international collaboration on global Research Infrastructures. Issues addressed range from long-term sustainability, openness and socio-economic impact to science diplomacy, partnerships, human resources as well as development and innovation.

ICRI 2016 will bring together high-level policy makers, scientists, and managers to engage in a vibrant debate on global research infrastructures. It is an international conference with a diversity of speakers representing the richness of the current global discourse.

The Conference will be accompanied by a series of activities that will form part of a larger engagement on Research Infrastructures, including several fringe events as well as an exhibition. You are invited to contact the organising committee if you would like to participate in the exhibition or host a fringe event. Further details are also available on the website.

We invite you to register early, as space is limited. To register, visit the conference web-site [icri2016.co.za](http://icri2016.co.za).



## **Research Agorà at the International CAE Conference, October 17-18, 2016, Parma, Italy**

From 17/10/2016 to 18/10/2016

The [International CAE Conference](http://www.caeconference.com) on October 17-18, 2016, in Parma (Italy) will host the 2016 edition of the [Research Agorà](http://www.caeconference.com), an area dedicated to the dissemination of Research Projects and where one can meet a variety of business stakeholders interested in the latest cutting-edge achievements on Europe's investing sectors, such as HPC, biomedical, aerospace, manufacturing and energy. Similar to previous years, ETP4HPC will be represented there. This year CINECA will be representing us.

For further details please visit: <http://www.caeconference.com/research.html>

Registration at: <http://www.caeconference.com/researchform.html>

For further questions please contact: [info@caeconference.com](mailto:info@caeconference.com)



## **E-CAM General Assembly, November 7, Paris-Saclay, France**

07/11/2016

E-CAM will hold their General Assembly at Paris-Saclay on November 7th. Representatives of ETP4HPC will give a presentation on our association during this assembly.



## **BDVA Valencia Summit, 29th November - 2nd December, 2016**

From 29/11/2016 to 02/12/2016

The BDVA Summit 2016 will take place in Valencia from November 29th to December 2nd. ETP4HPC will be represented at this summit by Marcin Ostasz, ETP4HPC Office expert, based at BSC. Paul Carpenter, from BSC, will also be joining him.

The aims of this summit are:

- To drive forward the Big Data Value ecosystem and improve visibility of BDVA and BDV PPP;
- To get real needs from users and data owners; understand the state of the art in Big Data Technologies and the new challenges;
- Continue working on main themes from previous summits and EDF conference;
- To provide the means for idea incubation and consortium building for 2017 calls.

Any entity interested in the field of Big Data is welcome to attend, from large organisations to SMEs, from Universities to Policy Makers or User Organisations, and from Business professionals to Technology implementers. Some meetings will be for BDVA members only.

Read more at: <http://www.bdva.eu/?q=node/412>



