

**Programme**

5% - Brief summary of the development of European HPC and its Technology/Application eco-system – Jean-François Lavignon / Jean-Pierre Panziera, ETP4HPC Chair

5% - The key successes and achievements of the European HPC technology projects – Peter Hopton, Iceotope Project

15% - An overview of the international collaboration opportunities created by the European HPC Technology Projects – Guy Lonsdale, Scapos AG

5% - Extreme-Scale Demonstrators – Thomas Eickermann, Jülich Supercomputing Centre

5% - An overview of the European Centres of Excellence for Computing Applications (CoEs) – Jesus Labarta, Barcelona Supercomputing Center

65% - A discussion (involving a panel of experts from Europe and other regions, e.g. US and Japan) on: 1) the opportunities for international collaboration (e.g. in what areas would other regions like to collaborate), and, 2) the mechanisms needed to stimulate this process (e.g. are there any networking opportunities? What is needed to strengthen this process?). Material will be available summarizing our current knowledge on such opportunities (e.g. existing workshops, conferences, etc.).

**Panel Discussion Members:**

- 1 MODERATOR: François Bodin – the Scientific Director of EXDCI (Extreme Data and Computing Initiative, the European HPC Strategy Coordination Project)
- 2 Luis C. Busquets Pérez - The European Commission
- 3 Paul Messina – US Exascale Computing Project Director
- 4 Mitsuhsa Sato – Riken of Japan
- 5 Alison Kennedy – Hartree Centre Director
- 6 Jesus Labarta – BSC – Leader/member of a number of HPC technology projects
- 7 Jean-Pierre Panziera – Bull/Atos
- 8 Sai Narasimhamurthy – Seagate
- 9 Christian Simmendinger – T-Systems
- 10 Eric Van Hensbergen – ARM
- 11 Mark Asch – BDEC (Big Data and Exascale Computing)



This BOF attracted over 130 people. In the first part of this event, an overview of the European HPC eco-system was presented. Then, the US and Japan HPC eco-system representatives provided a summary of the developments in their regions. The conclusions from the panel discussion in the second part of the BOF are:

- We need to learn to collaborate within Europe first.
- We should communicate with other regions in relation to some focal areas
- We should identify a number of global tools
- Collaboration is a personal thing – some projects might need help with making the first contact. Such personal links are developed over a length of time.
- User Groups are a good way for making contacts and initiating collaboration

Questions raised:

- Europe should resolve the way it treats IPR – it is difficult to collaborate in the face of such a stringent regulation
- We should take advantage of the Belmont forum
- Benchmarking/Standard interfaces is where we should collaborate
- Communication/Being updated on what is happening in other regions is key
- We need to urgently agree on our Programming Models

The next steps will include, passing this feedback to the European Commission and the projects, who are coordinating the European HPC strategy with a view to identify actions, supporting the international collaboration activities of the European HPC projects.