# 7th ETP4HPC GA - Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:30 – 11:00</td>
<td>Registration</td>
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<tr>
<td>11:00 – 11:15</td>
<td>Welcome – ETP4HPC Chair, IBM host presentation</td>
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<tr>
<td>11:15 – 11:35</td>
<td>Presentation of the Activity report 2016, Jean-Pierre Panziera, Chair</td>
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<td>11:35 – 11:50</td>
<td>Presentation of the Financial report 2016, Frank van der Hout, Treasurer</td>
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<td>11:50 – 12:00</td>
<td>Vote on resolutions - Activity, Financial Reports – 2017 Membership fees</td>
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<td>12:00 – 13:00</td>
<td>Status update on the Work programme 2018-20 and the SRA3, Michael Malms, Office EC</td>
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<td>Presentation, Gustav Kalbe, DGCNECT</td>
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<td></td>
<td><strong>Discussion</strong></td>
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<tr>
<td>13:00 – 14:00</td>
<td>Lunch</td>
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<tr>
<td>14:00 – 14:40</td>
<td>Other highlights &amp; activities - EXDCI, Work groups</td>
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<td>ETP4HPC Office/SB members: SME, KPIs and cPPP report, HPC software</td>
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<tr>
<td>14:40 – 14:55</td>
<td>Report on BDEC in China, Jean-François Lavignon, TS-JFL</td>
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<td>14:55 – 15:10</td>
<td>Q&amp;A and discussion</td>
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<td>15:10 – 15:50</td>
<td>EU-MATHS-IN - TU Eindhoven (5 min)</td>
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<td>Business case study for the European Investment Bank (EIB) - Roland Berger (5 min)</td>
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<td>New member presentations, 3 min per member</td>
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<td>15:50 – 16:00</td>
<td>Perspectives, Jean-Pierre Panziera, Chair</td>
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Welcome ETP4HPC members!

Thank you IBM for hosting our General Assembly
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| 11:35 – 11:50| **Presentation of the Financial report 2016**  
Fabio Gallo, Treasurer  
**Frank Van der Hout** |
| 11:50 – 12:00| **Vote on resolutions**  
• Activity, Financial Reports – Membership fees |
| 12:00 – 13:00| **EC Presentation - 20 mn**  
Gustav Kalbe, DGCNECT  
**Status update on the Work programme 2018-20 input and the SRA3 – 20 mn**  
Michael Malms, Office  
Discussion |
<p>| 13:00 – 14:00| <strong>Lunch</strong>                                                            |</p>
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<td>- SMEs 10 mn</td>
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IBM PRESENTATION
IBM Watson IoT Center

Introduction

Video
The Watson IoT Center: IBM is investing in Europe to lead the global IoT market

- Global headquarters for Watson IoT unit
- European IBM Watson Research Lab
- Available to host up to 1,000 people in offices and labs
- Up to 1,600 global client visits and events per year
- Industry Lab (Automotive, Industrial Products/Manufacturing, Electronics, Insurance)
- Watson IoT Consulting for IoT driven digital reinvention
- “FabLab” for POC & showcase creation

Video about the IoT Center: https://youtu.be/unI0-OEjb0o
One of the world’s most advanced centers for cognitive and Internet of Things for IBM’s Clients, Partners and IBMers

• IBM experts, engineers and developers
• Clients and ecosystem partners (Avnet, BMW, BNP Paribas, Capgemini, Tech Mahindra and EEBus)
• Startups / Incubators / Public Projects (UnternehmerTUM)
• Conferences / Hackathons / Bootcamps
• University and Community Events

“We bring our best people together with clients and partners to do MAGIC.”
Niklaus H. Waser, Head of IBM Watson IoT Center
IBM Watson IoT Center – Overview of Experiences

Level 20: Client Experience Center

Level 29: WIoT Sales / Marketing / Functions
Level 28: Account Teams / Analytics / Channel / ISST
Level 27: Watson Core / CST / WIoT R&D / Offering | Fab Lab
Level 26: Cognitive Engagement / Cloud | Cafeteria
Level 25: Incubator Space & Digital Start-Up-School
Level 24: GBS / Lab Services | Design Thinking Lab – WIoT Garage
Level 23: Industry Lab for Autom., Electr., IP & Manufact., Insurance
Level 22: Joint Client Labs
Level 21: “Yorktown Room” – Multi Purpose Area | Event space
Level 19: Joint Client Labs

Welcome Area | Consumers, Visitors & Clients
User-centered.

Cross-industry perspective.

Ideate the right solutions.

Show, don’t tell.

Art of the possible.
“Together we will discover answers to questions we never thought to ask.”

Harriet Green, General Manager, IBM Watson IoT
LOOKING BACK AT 2016
... AND FORWARD

Building a globally competitive European world-class HPC technology value chain

www.etp4hpc.eu • office@etp4hpc.eu
2016 an eventful year for ETP4HPC

• Thank you Mr. President

• Jean-Lavignon left Bull/Atos

• Jean-Pierre Panziera (Bull/Atos) new Chair of ETP4HPC – Steering Board of Dec 15\textsuperscript{th}, 2016
2016: more members joined ETP4HPC

• Now 80 members, up from 72 one year ago
• 53 Full Members
  – 9 SMEs
  – 12 Industrial companies
  – 32 Research organisations
• 27 Associated Members
  – 16 SMEs
  – 3 Industrial Companies
  – 3 Associations or individuals
ETP4HPC members (March 2017)
Welcome 2016 new ETP4HPC members

Some will introduce themselves this afternoon
Main Activities

- **SRA: Strategic Research Agenda**
  - SRA2 printed, disseminated, open to comments (Q1/Q2)
  - Q3/Q4: expert recommendations for WP18-20
    Dec. 2016 => DGCNECT
    8 WGs incl. EsDs, 150+ experts, interlock with BDVA, PRACE, CoEs et al.
  - prequel to SRA3 (kick-off expert meeting yesterday, then process planned March-September 2017)

=> M. Malms/G. Kalbe’s presentations and discussion today
Main Activities

• HPC cPPP: contractual Public Private Partnership
  – Interaction with the EC (DGCNECT)
  – 2 Partnership Boards May & November – now involving CoEs

• EXDCI
  European eXtreme Data and Computing Initiative
  – Relations with BDVA, PRACE, CoEs, HiPEAC, Eurolab-4-HPC…
  – BDEC & international cooperation
  – SME actions
  – Impact assessment
A FEW HIGHLIGHTS EVENTS, MEETINGS...
EXDCI Workshop, HPC Summit May 9, Prague
Dr Michael Malms presenting the SRA2

ETP4HPC Extreme-Scale Demonstrators Workshop, May 9, Prague. With representatives of FETHPC, other European HPC technology projects, COEs, PRACE

ETP4HPC Extreme-Scale Demonstrators Workshop, Sept 22, Barcelona. With European integrators.
Conferences & Exhibitions

ISC 2016, June 20-22, Frankfurt

March 17th, Paris, J-F Lavignon gave an overview of HPC technology research in Europe

ORAP Oct 18th, Paris, J-Ph Nomine presented European initiatives in HPC, ETP4HPC and related cPPP
Joint Events with EXDCI & PRACE

1st EXDCI meeting Sept 21-22, Barcelona with ETP4HPC, BDVA, PRACE, PRACE, Eurolab4HPC

PRACE Days 16 / HPC summit week, Prague
J-F Lavignon gave a keynote. Development of HPC technology to serve the European HPC ecosystem

SC’16, Nov 15-18, Salt Lake City, Utah
EXDCI Birds-of-Feather session
“European Exascale Projects and Their International Collaboration Potential”
Participation in EC events

• Dr. Kalbe, EC’s HPC & Quantum computing unit participated in ETP4HPC Steering Boards

• cPPP-ICT Proposers Day Sept 27, Bratislava

• Round-Table on Digitising European Industry, Sept 20, Bruxelles. With Commissioner Oettinger, J-F Lavignon observer

• Round-table on Future FET Flagships, December 15, Brussels: ETP4HPC represented by Dr Bourgoin from CEA.

• think.BDPST Conference, March 8-10, 2016, Budapest: Marcin Ostasz for ETP4HPC. Innovation and new technologies, including security, economic,
Some links with Center of Excellence

• E-CAM General Assembly, Nov 7, Saclay
  J-Ph Nominé & Maike Gilliot

• CompBioMed kick-Off, meeting, Oct 3-4
  Hugo Falter
Connecting with BDVA (cPPP) and HiPEAC, BDEC

- HiPEAC’s Conference, Jan 18-20, 2016, Prague
  J-F Lavignon invited speaker
- HiPEAC Computing System Week, April 20-22, Porto

- BDVA Summit, Nov 29 - Dec 2, 2016, Valencia
  Marcin ostasz representing ETP4HPC
  ‘High Performance Data Analytics: Big Compute and Big Data
  Working Together for European Success’

- Big Data and Extreme-Scale Computing (BDEC),
  June 16-17 Frankfurt.
  With experts from the U.S., Japan and Europe
  “Pathways to Convergence” between big data and
  exascale computing.
A FEW HIGHLIGHTS OUTREACH
ETP4HPC has a new visual identity
HTTP://WWW.ETP4HPC.EU

Revamped in March 2016
Members’ area (resources)
Networking area
ETP4HPC TWEETING & LINKEDIN

more than 600 tweets 2016
thx Catherine Gleeson
WHERE DO WE STAND?

- European investment for HPC is important
- We saw a surge in 2011-2012 (coinciding with PRACE) with large HPC systems installations
- But USA and Japan are quickly moving towards Exascale, … and now China!
- We need to jump ahead
- Investments from EC are essential.
  So far 100 M€ in WP 2013-16 for technology R&D
  Total budget for HPC in H2020 is 700M€.
- EsDs and other HPC initiatives scheduled for WP2018-2020 represent the opportunity to boost our development towards Exascale