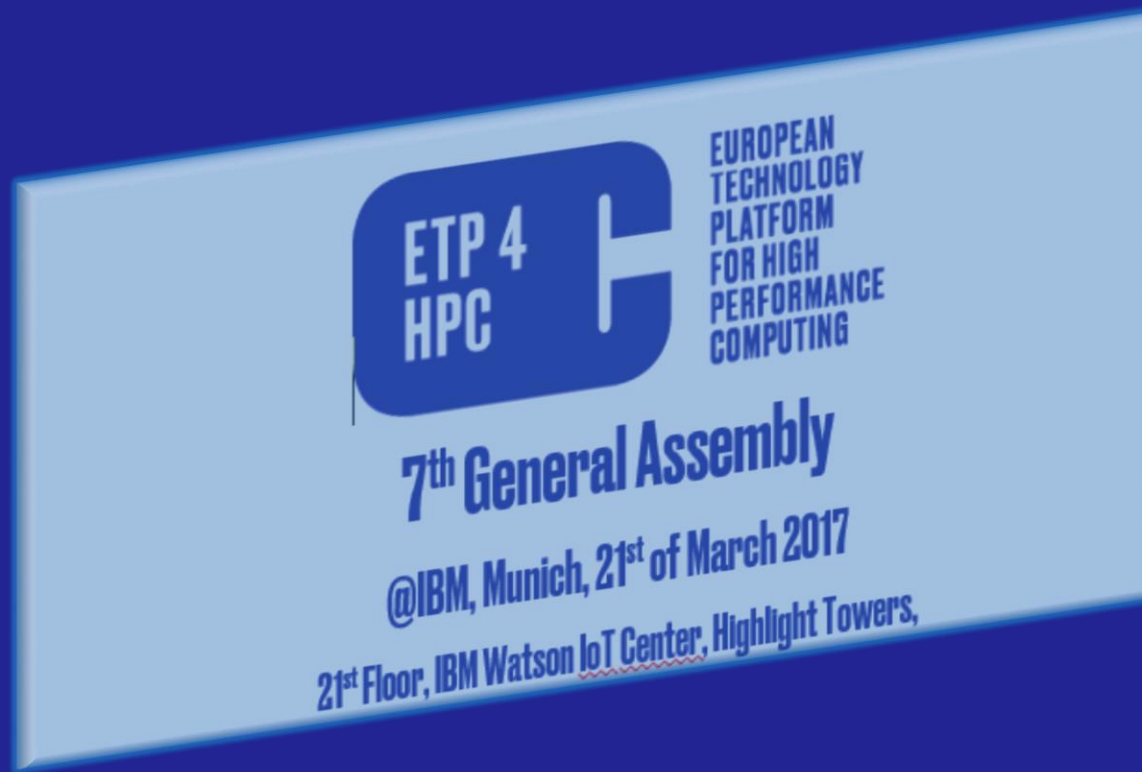# 7ᵀᴴ ETP4HPC GA - AGENDA

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

Welcome ETP4HPC members!

Thank you IBM for hosting our General Assembly

Tuesday, 21st of March 2017

10:30 – 11:00	**Registration**
11:00 – 11:15	**Welcome** – ETP4HPC Chair **IBM host presentation**
11:15 – 11:35	**Presentation of the Activity report 2016** Jean-Pierre Panziera, Chair
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**
13:00 – 14:00	**Lunch**

HIGH PERFORMANCE COMPUTING FOR EUROPE

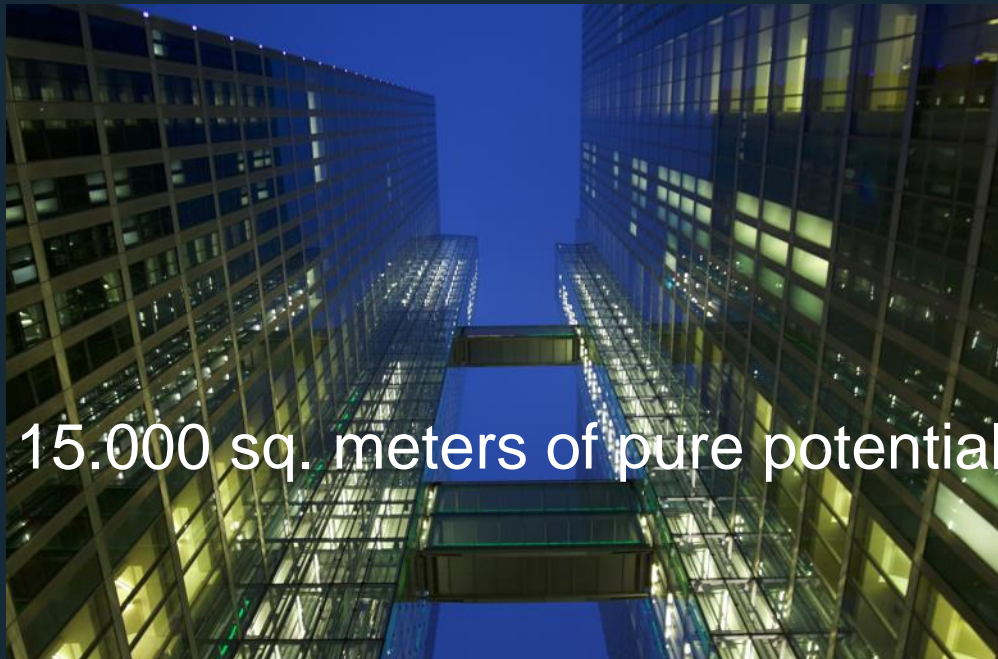|	
14:00 – 14:30	**Other highlights & activities** ETP4HPC Office/SB members/WG leads - **SMEs 10 mn** - **KPIs and cPPP report 5 mn** - **HPC software work group 10mn**
14:30 – 14:45	**Report on BDEC in China** Jean-François Lavignon, TS-JFL
14:45 – 15:00	**Q&A and discussion**
15:00– 15:50	**EU-MATHS-IN - TU Eindhoven (5 min)** **Business case study by the European Investment Bank (EIB) - Roland Berger (5 min)** **New members presentations** 3 mn per member (11)
15:50 – 16:00	**Perspectives** Jean-Pierre Panziera, Chair

IBM PRESENTATION

IBM Watson IoT Center Introduction

Video

IBM

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

15.000 sq. meters of pure potential

Video about the IoT Center: https://youtu.be/unI0-OEjb0o

- 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

Watson IoT

One of the world's most advanced centers for cognitive and Internet of Things for IBM's Clients, Partners and IBMers

*"We bring our best people together
with clients and partners
to do MAGIC."*
Niklaus H. Waser, Head of IBM
Watson IoT Center

- 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

Watson IoT

IBM Watson IoT Center – Overview of Experiences

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 Engagament / 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

Level 20:
Client Experience Center

Welcome Area | Consumers, Visitors & Clients
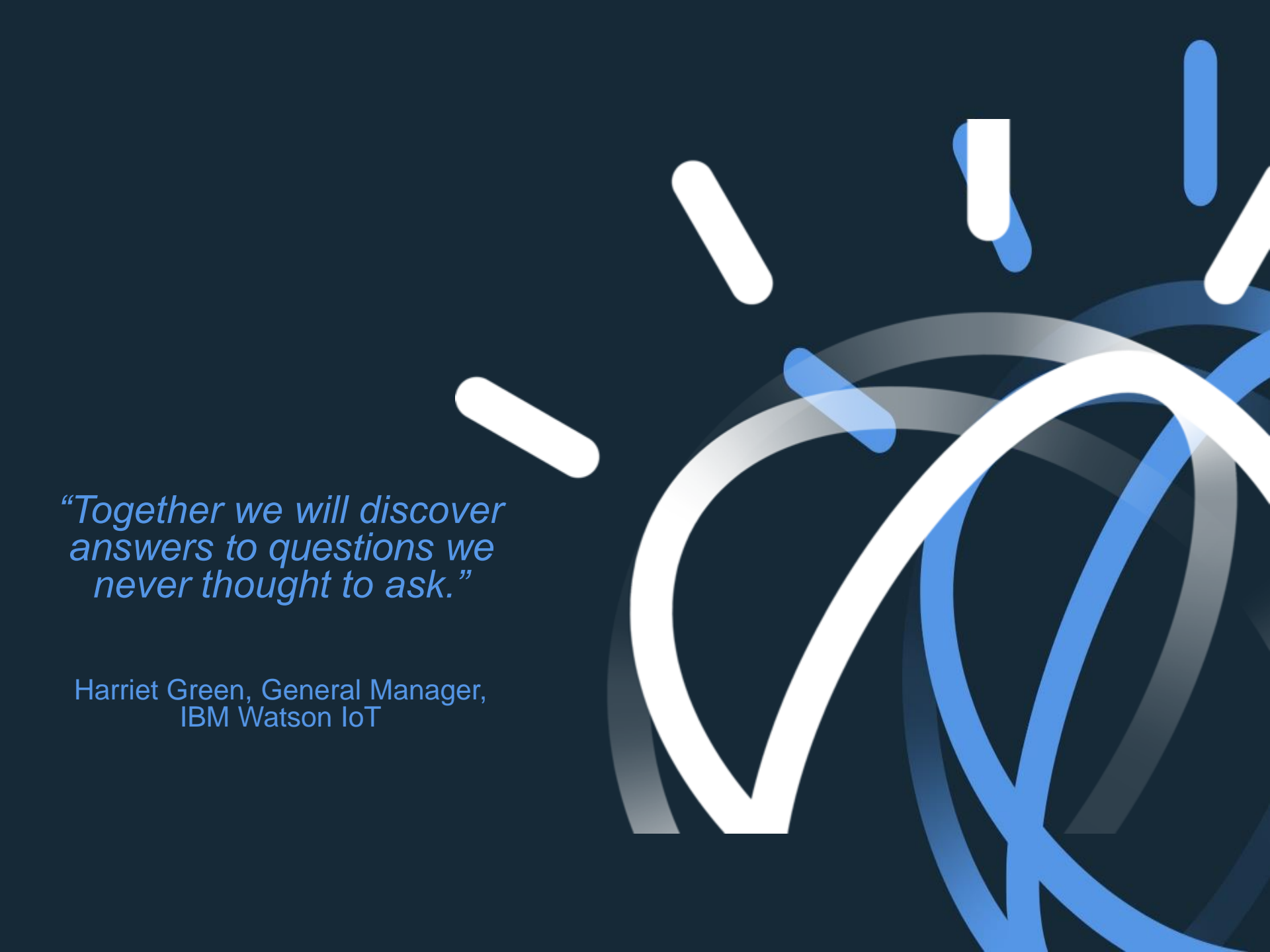
Watson IoT

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 15th, 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…

SRA & EsD workshops

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

Teratec Forum 2016
June 28-29, Palaisau

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

HTTP://WWW.ETP4HPC.EU

Revamped in March 2016

Members' area (resources)
Networking area
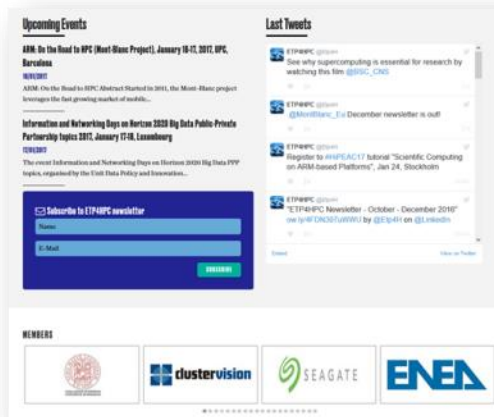
ETP4HPC TWEETING & LINKEDIN

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