



HPC User Forum Agenda
80th HPC User Forum
Organized with CEA and TERATEC
Cercle des Armée, Paris
3rd and 4th of October 2022

MONDAY, OCTOBER 3

12:00 Lunch

13:00 Welcome: CEA, Teratec: Jean-Philippe Nominé and Maïke Gilliot, Hervé Mouren; HPC User Forum: Paul Muzio and Earl Joseph

13:15 HPC Market Update, Earl Joseph, Hyperion Research

Architectural Trends

13:30 CEA Computing Centres Vision and Evolution - Gilles Wiber, CEA

13:50 Building a Balanced Exascale System, David Martin, Argonne National Laboratory

14:10 Exascale Storage perspectives:

- **Object oriented approaches, Philippe Deniel, CEA**
- **DAOS Technical/Strategy Update, Johann Lombardi, Intel**

14:40 HPE Technical Update, Utz-Uwe Haus

14:55 ATOS Technical Update, Jean-Pierre Panziera

15:10 Break

New HPC Applications/End Uses/Environments (Moderator: Earl Joseph)

15:40 Qubit Pharmaceuticals, Jean-Philip Piquemal, Qubit Pharmaceuticals & Sorbonne Université

16:00 Destination Earth (recorded), Thomas Geenen, ECMWF

16:30 The Future of High Performance Fabrics, Patrick Schots, Cornelis Networks

16:45 Lenovo Technical Update, Matthieu Wong Hang

17:00 New Directions in HPC, Earl Joseph and Bob Sorensen, Hyperion Research

17:30 After-Meeting Socializing



HPC User Forum Agenda
80th HPC User Forum
Organized with CEA and TERATEC
Cercle des Armées, Paris
3rd and 4th of October 2022

TUESDAY, OCTOBER 4

Quantum Computing (Moderator: Jean-Philipp Nominé)

- 9:00** Welcome, Paul Muzio and Earl Joseph, HPC User Forum
- 9:05** Quantum Computing Activities Around the World, Bob Sorensen, Hyperion Research
- 9:25** Quantum Ecosystem, Venture Capital, Olivier Tonneau, Quantonation
- 9:45** HQI: French initiative/platform for hybrid HPC+QC, Jacques-Charles Lafoucrière, CEA
- 10:05** Quantum Processing Units Out of Atomic Arrays, Chayma Bouazza and Christophe Legrand, Pasqal
- 10:25** Vendor Technology Update: Graphcore, Pawel Gepner
- 10:40** Break

HPC in Europe (Moderator: Hervé Mouren)

- 11:10** EuroHPC Update (recorded), Josephine Wood, EuroHPC JU
- 11:30** SiPearl Vision, Jean-Marc Denis, SiPearl
- 11:50** EU Competence Centres, Bastian Koller, HLRS
- 12:10** ATOS Vision for Europe, Jean-Pierre Panziera, ATOS
- 12:25** Exascale France Project, Stéphane Requena, GENCI
- 12:50** Meeting Wrap Up and Plans for Future HPC User Forum Meetings
CEA, Teratec; HPC User Forum (Paul Muzio and Earl Joseph)
- 13:00** Adjourn