



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

Welcome/Introductions

13:00 CEA, Teratec: Jean-Philippe Nominé and Maike Gilliot, Hervé Mouren

HPC User Forum: Paul Muzio, Earl Joseph and Steve Conway

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
Exascale Storage perspectives

14:10 - Object oriented approaches - Philippe Deniel, CEA

- DAOS Technical/Strategy Update - Johann Lombardi, Inte

14:40 HPE Technical Update

14:50 ATOS Technical Update

15:00 *Break*

New HPC applications/end uses/environments

15:40 Destination Earth, Thomas Geenen, ECMWF

16:10 Qubit Pharmaceuticals, Jean-Philip Piquemal, Qubit Pharmaceuticals & Sorbonne Université

16:30 NASA HPC Update – or – What Will AI for Science Look Like in Ten Years? Rick Stevens, ANL

17:00 Lenovo Technical Update

17:15 D. Kusnesov, DOE

17:45 *After-Meeting Socializing, cocktail and dinner*

TUESDAY, OCTOBER 4

Quantum computing

9:00 Welcome, Paul Muzio and Earl Joseph, HPC User Forum

9:10 Quantum Computing Activities around the World, Bob Sorensen, Hyperion Research

9:30 Quantum Ecosystem, Venture Capital, Olivier Tonneau, Quantonation

9:50 HQI: French initiative/platform for hybrid HPC+QC,, Jacques-Charles Lafoucrière, CEA

10:10 Quantum Processing Units Out Of Atomic Arrays, Georges-Olivier Reymond, Pasqal

10:30 *Break*

HPC in Europe

11:00 EuroHPC Update (video), Josephine Wood, EuroHPC JU

11:20 SiPearl Vision, Jean-Marc Denis, SiPearl

11:40 ATOS Vision, Jean-Pierre Panziera, ATOS

12:00 EU Competence Centres, Bastian Koller, HLRS

12:20 Exascale France Project, Stéphane Requena, GENCI

12:40 Meeting Wrap Up and Plans for Future HPC User Forum Meetings

CEA, Teratec, HPC User Forum (Earl Joseph, Paul Muzio)

12:50 *Adjourn*