

From petascale to exascale and beyond: The Centres of Excellence challenge

Room: Extra 3

10:00-10:05	Introduction	
Session 1: Projects		
10:05-10:20	POP3: Lessons learned and challenges discovered from assessing European HPC codes	Marta García (BSC)
10:20-10:35	Plasma-PEPSC: Pushing the frontiers of plasma simulations in the exascale era	Pratibha Raghupati Hegde (KTH)
10:35-10:50	Building Digital Twins of Earth on EuroHPC supercomputers	Jenni Kontkanen (CSC)
10:50-11:00	Q&A	
11:00-11:30	<i>Coffee break</i>	
Session 2: Transversal research in CoEs		
11:30-11:50	Streaming scientific applications	Lara Peeters (Gent University)
11:50-12:10	Mixed precision in Earth-System Models	Maitane Farinas (BSC)
12:10-12:30	Ash fallout assessment in the HPC era	Alejandra Guerrero (GEO3BCN-CSIC)
12:30-12:50	Scientific Visualization for Exascale Simulations	Susanne Malheiros (HLRS)
12:50-13:00	<i>Q&A and Discussion</i>	
13:00-14:00	<i>Buffet lunch</i>	
Session 3: Dissemination and collaboration between CoEs		
14:00-14:20	TBC	Alexandra Kourfali
14:20-14:40	How CASTIEL 2 Enhances Access to HPC Training Across Europe	Aline Melinette (BSC)
14:40-15:00	TBC	Laura Bellentani (CINECA)
15:00-15:20	How HPC Spectra benefits in the supercomputing world	Alexandra Lopez (BSC)
15:20-15:30	<i>Q&A and Discussion</i>	
15:30-16:00	<i>Coffee break</i>	
16:00-17:30	Round table Women, HPC and CoEs: HPC challenges for the future	Thaleia Doudali, Madeleine Gray, Rosa María Badia, Alan O'Gais, Arnau Folch, Mario Acosta