EUPEX Forum 2024

EUPEX

EuroHPC Joint Undertaking

This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101033975. The JU receives support from the European Union's Horizon 2020 research and innovation programme and France, Germany, Italy, Greece, United Kingdom, Czech Republic, Croatia.

EUPEX Forum Agenda

14:00	Welcome and EUPEX introduction	Jean-Robert Bacou, Eviden
14:15	JUPITER: Paving the way for Application-centered Exascale Supercomputing in Europe	Damian Alvarez, FZJ
14:45	Introduction to co-design	Matteo Turisini, CINECA
15:00	Manual and Automated Vectorisation Techniques for the Integrated Forecasting System	Andrew Beggs, ECMWF
15:30	Coffee break	
16:00	High-throughput drug discovery on the Fujitsu A64FX	Filippo Barbari, CINECA
16:30	A EUPEX-ChEESE-2P cooperation: the SPECFEM3D+ example; context, preliminary results and next steps	Piero Lanucara, CINECA
17:00	The EUPEX Early Access Programme	Mario Kovac, FER-UNIZG
17:10	Alice Recoque, French exascale project	Eric Boyer, GENCI
17:30	End of Forum	

EUPEX webinars

- The EUPEX researchers will continue to share their results and lessons learnt beyond the Forum!
- Starting in November, we will organise monthly webinars
- We start with the applications that were analyzed/ optimized under EUPEX
- and will continue with components of the EUPEX software stack

EUPEX webinars

- Wednesday, 6 November 2024, 11am to 12pm CET
  Advances in Geospatial Foundation Models for Earth Observation: Scaling Machine Learning with Supercomputing on Large Remote Sensing Datasets
  Speaker: Gabriele Cavallaro, Forschungszentrum Jülich
- Tuesday, 10 December 2024, 11am to 12pm CET
  Bolt65–AI fusion: a case study in object detection
  Speaker: Hana Ivandić, FER/University of Zagreb
- February 2025: **StreamFlow**, by University of Torino
- March 2025: **Vectorization of FEM kernels** (ESPRESO FEM) by IT4I
- April 2025: **CEA's Ocean**, by CEA
- May 2025: **ParaStation Modulo**, by ParTec