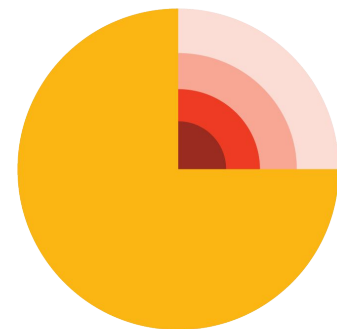


BSC@ChEESE-2p

Josep de la Puente



ChEESE



Project funded by EuroHPC under the grant agreement No 101093038.

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Barcelona Supercomputing Center

- Spanish National Supercomputing Center, hosting member of EuroHPC
- Host of MareNostrum4 (11 PFLOPS) and future MareNostrum5 (200 PFLOPS)
- 800 people (~650 scientific personnel)
- 4 Scientific Departments:
 - Computer Sciences
 - Life Sciences
 - Earth Sciences
 - Computer Applications in Science and Engineering



Participation in WPs

Work Package	Effort (PM)
WP1: Project Management	2
WP2: Exascale technical challenges in flagship codes	18
WP3: Co-design with European HPC vendors and technologies	12
WP4: Simulation ecosystem	6
WP5: Farming Pilot Demonstrators	18
WP6: SCs and service enabling using EuroHPC infrastructures	18
WP7: Dissemination, outreach and capacity building	32*



BSC Teams involved

01

Seismology

Simulation of waves, ML/AI,
hazard

02

Performance

Performance analysis,
optimization and co-design
with EPI

03

Exploitation & Communication

Training, sustainability



Team Seismology

- Experts in wave propagation modelling
- Developments in ML/AI related to seismology
- Lead “Urgent Computing Service Enabling” tasks and deliverable
- Participate in SC1.3 (seismic hazard) and PD 1 (seismic modelling)
- Collaborate in tomography (PD2, SC2.1)
- Participate in CD/CI and QA (task 4.3)



Marisol Monterrubio



Cedric Bhihe



Natalia Zamora

Team Performance

- Expertise in
 - Performance analysis and optimization
 - Extrae/Paraver, TALP and other performance analysis tools.
 - EPI Software development Vehicles (SDVs)
 - Co-design with EPI platforms
- Lead
 - T2.4 Continuous performance efficiency monitoring
 - T3.3 EPI/TheEUPilot
- Participate in
 - T2.3 Optimization for Exascale



Marta
Garcia-Gasulla



Filippo
Mantovani



Victor
Lopez

Team Exploitation and Communication

- Lead WP7 (Dissemination, outreach and capacity building)
- Lead community building, training and sustainability plan
- In charge of deliverables related to “Exploitation Plan” and “Training Plan”
- Project Innovation Manager



Joan Farnós



Rose Gregorio



Maria Paz Baghetti

Thank you



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