

PATC Course: Earth Sciences Simulation Environments

All PATC Courses at BSC do not charge fees.

Registration for this course is now open. Please follow the link below to register.

PLEASE BRING YOUR OWN LAPTOP.

Objectives:

The objective of this course is to cover the main basic topics of HPC environment oriented to Earth Sciences applications. Attendants will learn how to access an HPC facility, install some Earth Sciences models and utilities, run specific test cases, monitoring an execution in batch mode, and visualize the results.

More specifically, the course will cover:

- Basic usage of shell environment, compilers, and parallel programming paradigms (MPI, openMP)
- Build a targeted Earth Science application
- Execution and monitorization of submitted experiment
- Introduction to some commonly used tools to visualize and analyse model outputs

Learning Outcomes:

The students who finish this course will be able to access, build, run, and visualize a collection of Earth Sciences numerical models. Furthermore, the students will gain a general knowledge on Earth Sciences applications within an HPC environment. The course will provide basic HPC skills for future Earth Sciences modelers.

Recommended Accommodation:

Please follow [the link](#) for map of some local hotels.

Contact Us:

[CONTACT US](#) for further details about MSc, PhD, Post Doc studies, exchanges and collaboration in education and training with BSC.

For further details about Postgraduate Studies in UPC - Barcelona School of Informatics (FiB), visit the [website](#).

Sponsors:

The PATC training courses at BSC are funded by BSC and PRACE 3IP project.

If you want to learn more about PRACE Project, visit the [website](#).

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