

## MaX Hackathon 2018

### Objectives

The **2018 MaX Hackathon** will offer an informal brain-storming environment and practical coding sessions on the **MaX** flagship codes (Quantum ESPRESSO, Siesta, Fleur, Yambo, AiiDA), including:

1. Working groups active in the development of each flagship code, e.g. targeting the development of new features, performance improvements, performance portability to new architectures including GPUs, benchmarking and profiling.
2. Advanced training for developers on selected topics (novel parallel paradigms, emerging MPI and OpenMP features/standards, support of GPUs & HW heterogeneity, HDF5 and parallel IO).
3. Transversal coding activities (eg parallel IO, support of common electronic structure formats, GPU support).

Further information here: <http://www.max-centre.eu/max-hackathon/>

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

---

**Source URL (retrieved on 19 abr 2024 - 16:25):** <https://www.bsc.es/ca/education/training/other-training/max-hackathon-2018>