



**Barcelona
Supercomputing
Center**
Centro Nacional de Supercomputación



BSC-CNS Technologies Catalogue

Enhancing Workflow Lifecycle in Distributed Computing Infrastructures

PyCOMPSs and the eFlows4HPC software stack provide tools for developing and managing complex parallel workflows in distributed computing infrastructures. PyCOMPSs simplifies parallel workflow development by annotating Python scripts, auto-converting them into parallel workflows. eFlows4HPC automates deployment on distributed platforms, reducing time-to-market for computing solutions with HPC-ready container images.

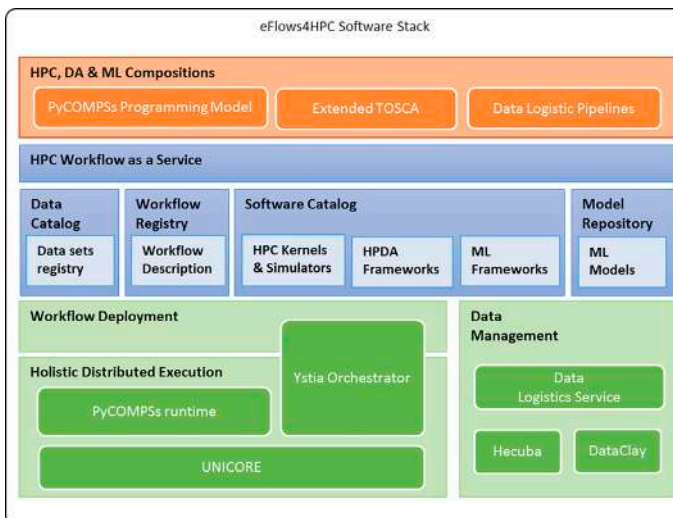


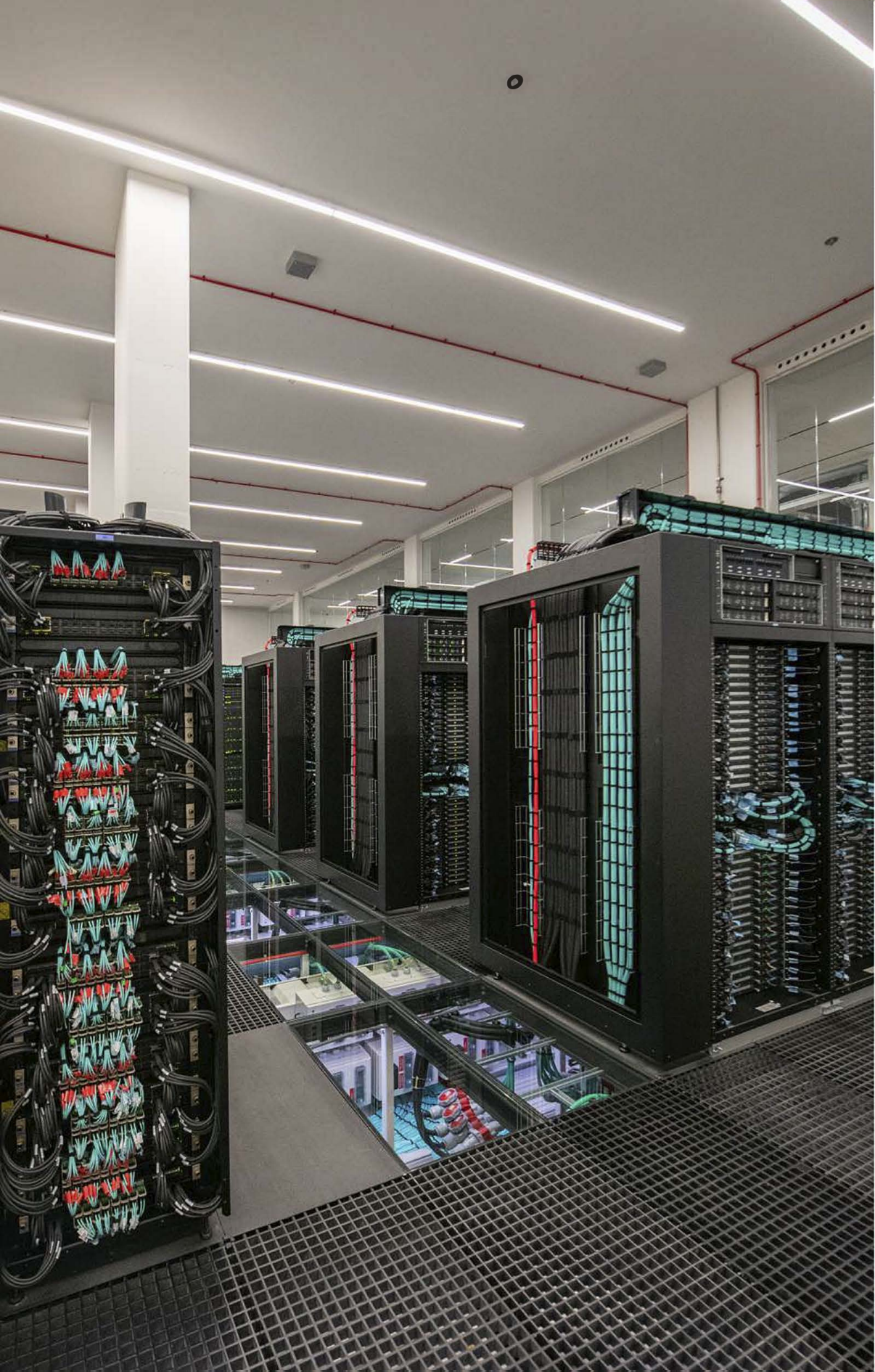
TARGET INDUSTRIES

- Sector** Engineering, bioinformatics, climate forecast, machine learning and software companies.
- Why** Reduce the development and management time of complex workflows in distributed computing platforms.
- Uses** Programming parallel complex workflows for distributed computing platforms. Facilitate the development of complex workflows through HPC ready container images.

TECHNOLOGY

- Software Stack Provider
- Industries Target
- Machine Learning
- Bioinformatics
- Programming
- AI Platform





BSC is a public consortium made up of:



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HR EXCELLENCE IN RESEARCH



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