

BIG HPC

A MANAGEMENT
FRAMEWORK FOR
CONSOLIDATED
BIG DATA AND HPC

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MISSION and GOALS

BigHPC's mission is to simplify the management of HPC infrastructures supporting Big Data and scientific applications.

Through a novel management framework, BigHPC aims at:

- Improving the **monitoring** of HPC services
- Improving the **deployment** of applications and the management of HPC computational and storage resources
- Alleviating HPC's **storage performance** bottleneck

OUTCOMES and IMPACT

The project provides the following main contributions:

- **3** Major prototypes



Monitoring



Virtualization



Software-Defined Storage



- **15** Scientific publications
- **12** Open source software contributions

These contributions have a **direct impact** on science, industry and society, by **accelerating** scientific breakthroughs in different fields and **increasing** the competitiveness of companies through better data analysis and improved decision-support processes.

CONSORTIUM

