



# Strategic collaboration between HPC and Cloud to address big data in global scientific challenges

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# A European cloud computing partnership: big science teams up with big business



## Strategic Plan

- ▶ Establish multi-tenant, multi-provider cloud infrastructure
- ▶ Identify and adopt policies for trust, security and privacy
- ▶ Create governance structure
- ▶ Define funding schemes



To support the computing capacity needs for the ATLAS experiment

EMBL



Setting up a new service to simplify analysis of large genomes, for a deeper insight into evolution and biodiversity



To create an Earth Observation platform, focusing on earthquake and volcano research



To improve the speed and quality of research for finding surrogate biomarkers based on brain images

## Suppliers



## Adopters



# Vision

The e-commons infrastructure marketplace

- Will provide access to worldwide and world class resources through a **dynamic and sustainable marketplace**.
- Be built on public and commercial assets, will cover the **entire scientific workflow**
- Will offer the broadest range of services
- Will ensure use of **open standard** and **interoperability** of service providers while adhering to **European policies, norm and requirements**.

