SPACIOUS

Science PlAtform Cloud Infrastructure for Outsize Usage Scenarios

Cloud based **Data Mining** platform

Simplified **Big Data** access

Boost **scientific exploitation** of ESA missions

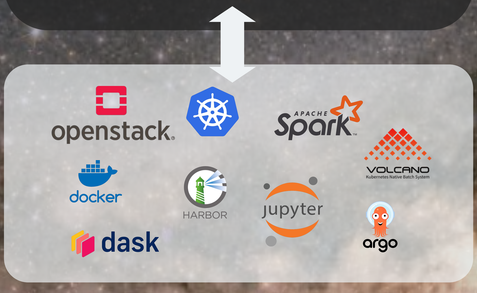
Collaborative astrophysical research

BREAKING BARRIERS IN BIG DATA ANALYSIS

SPACIOUS meets the growing demand for **analysing vast datasets** from ESA missions like Gaia and Euclid, offering:

- Advanced **Big Data** & **Data Mining** platform.
- **Cloud-based** for seamless access & scalability.
- Pre-**integrated** ready-to-use Big Data & Data Mining **technologies**.

SPACIOUS **empowers researchers**, enabling deeper, large-scale data analysis **beyond current limits**.



USE SPACIOUS

- **On the Barcelona Supercomputing Center:** Through open calls for research proposals based on scientific and technical merit.
- **On Commercial clouds**: Deploy on hired cloud services for flexibility.
- **On your own facilities**: Install locally for full control over infrastructure.

LEGACY

Enhanced data products for the community, supporting:

- **Research.**
- **Target definition of future missions.**
- **Ground based follow-up.**
- **And more!**

BEYOND ACADEMIA

Public engagement: Actively sharing results with the educational sector, industry, and the public.

Educational activities: introducing Big Data and cloud computing technologies to to learners of all ages.

Citizen Science: Citizens contribute compute time to research projects.

FIND US ON

https://spacious.ub.edu

Stay connected and **explore the future** of astrophysical research

PARTNERS

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