



PHIDIAS

Prototype of HPC/Data Infrastructure for On-demand Services

Creation of generic access services to **increase the HPC and data capacities** of the European Data Infrastructure

- Building a prototype**
Build a prototype for earth's scientific data and high-performance computing services.
- Optimising and industrialising**
Optimise and industrialise treatment workflows for extensive reusability.
- Open access**
Ensure open access to standardised HPC services.
- FAIRisation**
Improve FAIRisation processes and open access.
- Data pre-processing**
Develop new data-processing models coupled with HPC capabilities.
- Data post-processing**
Deploy data-processing methods as a service for the scientific community.

**MAIN
GOALS**

**USE
CASES**



Intelligent screening
of satellite data



Big Data earth
observations



Ocean



The PHIDIAS project has received funding from the European Union's Connecting Europe Facility under grant agreement No. **INEA/CEF/ICT/ A2018/1810854**.

www.phidias-hpc.eu



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KEY IMPACTS



Create sustainable HPC data-powered services for the earth, atmospheric and marine data towards researchers, industry and public sectors.



Leverage networking infrastructures such as GEANT (GN4-2 Research and Education Networking), RENATER (Réseau National de Télécommunications pour la Technologie, l'Enseignement et la Recherche), FUNET (Finnish University and Research Network) to ensure end-to-end scientific workflows.



Federate infrastructure to infrastructure services, including authentication, access to resources (pre- and post-processing, management and preservation of large volumes of digital information over time).



Define and create a FAIR portal for the scientific community and data providers.

PHIDIAS PARTNERS



MARIS



SPASCIA



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