

PHIDIAS Mission

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

Key figures

Start date: 1 September 2019

End Date: 1 September 2022



Driven by:

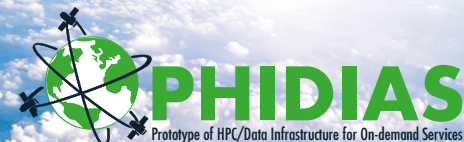


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**Prototype of
HPC/Data Infrastructure
for On-demand Services**


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Building a prototype for Earth Science
Data and HPC services

Use Case 1

Intelligent screening
of satellite data



Improving the efficiency of
the intelligent screening of
environmental satellite data

Use Case 2

Big data earth
observation



Enhancing the scalability EO
data processing chains for
environmental monitoring
to meet end-users needs of
the THEIA land data centre
network

Use Case 3

Ocean



Boosting the use of cloud
services for marine data
management, service and
processing, with the EO SC
challenge and DIAS top of
mind

Key impacts



Integrated datasets in the EO SC catalogues



A single framework combining computing,
dissemination and archiving resources for
massive earth scientific data



New data post-processing methods coupled
with HPC capabilities deployed as end-user
services for scientific communities, public
authorities, private entities and citizen
scientists



Ensured sustainability through service
evolution from experimental to production
phase



Availability of data and services on the EU
Open Data Portal, EUDAT and EO SC with
long-term preservation services of EO SC

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events and updates



Discover the benefits of
standardised Data/HPC services for
Earth sciences



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