WEBINAR

PHIDIAS

in collaboration with ESCAPE

Steps forward in detection and identification of anomalous atmospheric events

13th October 2020, 15:00 - 16:00 CEST

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ESCAPE project

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Objectives

- **Develop a catalogue** that will allow users to discover and access data, open-source software, public Application Programming Interfaces (APIs) and interactive processing services.
- **Optimise and industrialize workflows** to allow the largest degree of reusability of data as possible.
- Implement an end-user web common interactive processing service based on notebook and datacube technologies allowing new users to easily have **open access to HPC** capacities and develop new algorithms.
- **Improve the FAIRisation** of satellite and environmental datasets and preserve FAIR (Findable Accessible Interoperable Reusable) datasets into a Remote Data Access (RDA) certified repository.
- **Develop new data pre-processing models** coupled with HPC capabilities, by building a new and innovative on-the-fly computing service for smart processing of data, addressing the problem of efficient filtering and on-the-fly first diagnostics on incoming in-situ data.
- **Deploy data post-processing methods** as a service for several end-users, including scientific communities, public authorities, private entities and citizen scientists.

Consortium of 13 committed partners from 5 different EU countries, led by **CINES** (*French national Computing Centre for Higher Education*)

Webinar Series

Next Webinar will be on «**Big Data Earth Observation**» Use Case –
All recorded Webinars are available on Phidias HPC website under the Webinar page
https://www.phidias-hpc.eu/events/webinars/

Webinar Agenda

- 15:00 - 15:05 - **Introduction of PHIDIAS project**
  - Francesco Osimanti, Trust-IT Services, PHIDIAS WP7 Leader
- 15:05 - 15:15 - **Thematic and objective: proposed approaches and available Sentinel measurements**
  - Pascal Prunet, SPASCIA & PHIDIAS WP4 Leader
- 15:15 - 15:25 - **HPC/HPDA Infrastrucuture and capacities for implementing intelligent screening in an operational context**
  - Nicolas Pascal, ICARE & SPASCIA Technical Partner
- 15:25 - 15:30 - **Q&A Session**
- 15:30 - 15:40 - **Implementation of processing and products**
  - Dominique Jolivet, HYGEOS & SPASCIA Technical Partner
- 15:40 - 15:50 - **ESCAPE: A dive into a Datalake for Open Science**
  - Xavier Espinal, CERN & ESCAPE project
- 15:50 - 16:00 - Q&A and Closing Remarks

Thank-you

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

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