

How to use the DIAS for CCI

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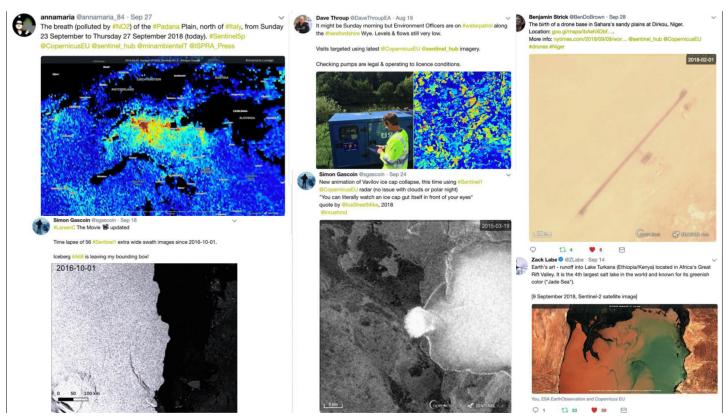
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What People can do with a DIAS ...





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DIAS Context and Objectives



Copernicus DIAS procurement is one of the cornerstones of the partnership and aligned programming established between DG-GROW (now DEFIS) and ESA

DIAS: Creating and enabling a European EO Data ecosystem for research and business

A common European approach to EO data exploitation with Copernicus data at its core



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DIAS Pillars: Data Offer



- Data Offer by each DIAS is public. Negotiations with the consortia are possible to meet users' needs better.
- Every DIAS provides access to all Sentinel data for local processing & access to the Copernicus Services information with some particularities per each DIAS:
- Different data offer implementation by each DIAS provider
- Complementary data available, DIAS-specific (including, e.g., ENVISAT, Landsat, commercial data with associated licencing, etc.)
- Data offers will evolve according to demand and Consortium strategy
- COM & ESA enforce a minimum common basis of an equivalent of two years of ESA Sentinel core products

DIAS Pillars: Service Offer



- The DIAS service offer is public, with all details and complementary support services documented and advertised by each DIAS provider
- All DIAS provide access to resources for local processing of Sentinel data and Services information for any interested user:
- Different IaaS computing/storage resources & PaaS options and costs
- Common open and free support services for users (Discovery, Catalogue, View services, ...) + Free download service with limited capacity
- Services offer will evolve according to demand and consortium strategy
- SLA towards DIAS users defined by each DIAS provider



















1+1

Highlights from DIAS Provider perspective



- SLA between each DIAS and ESA to enforce the respect of announced services.
- SLA towards users defined by each DIAS provider.
- Strong emphasis on protection of user information and IPRs.
- DIAS contracts do not include free resources to be allocated by ESA or COM to specific projects.

Highlights from Third-party point of view

- On the basis of the data and service offers published by each DIAS, users are able to autonomously assess the most appropriated DIAS for their activities and autonomously start using the selected DIAS
- Potential users are invited to contact the different respective consortium to clarify any specific conditions of use or any necessary potential support.
- Many DIAS providers provide access to additional data (sources).

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General Principle



- The usage of DIAS services is directly engaged between a Third-Party user and a DIAS Provider on the basis of:
 - The services offered by the DIAS (Service Offer)
 - The data available through DIAS (Data Offer)
 - The Service Level Agreement offered by the DIAS provider
- DIAS offering is public information accessible through each DIAS service portal.



Other Topics and Considerations



- CAP Monitoring: DG DEFIS, DG AGRI, JRC, various Paying Agencies
 - DG DEFIS request for CbM support through Work Orders.
 - Scope is ITC, data, technical support, consultancy.
- European IT independence and Big IT players
- Cloudification of operational services in many areas has progressed: Evolving eco-system: services, PDGS, LTA, ...
- Evolving best practises: transition to cloud paradigms
- Geographical distribution of activities:
 - Backup data centres
 - Redundant infrastructure: data, compute, services, community, ...
- Risk management, phase-in and phase-out.
- Preparation for next round of infrastructure evolution





DIAS PROVIDERS

Creotech (PL) with cloud provider CloudFerro (PL):





http://www.creodias.eu



Serco (IT) with cloud provider OVH (FR): http://www.onda-dias.eu



Airbus (FR) with cloud provider Orange (FR): http://www.sobloo.eu



ATOS (FR) with cloud provider T-Systems (DE): www.mundiwebservices.eu



EUMETSAT, with Mercator Ocean and

ECMWF: http://wekeo.eu

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Thank you very much for your attention!

























