



| Data type | Available (Yes/No) | Completeness of the archive per catalogue | Data Description/Specifications |
|---|------------------------|---|---|
| Sentinel | Yes | <p><u>Sentinel 1</u> - RAW and SLC: Full availability, since the beginning of the mission. - GRDH and OCN: Full availability, since June 2016</p> <p><u>Sentinel 2</u> Full availability, since the beginning of the mission.</p> <p><u>Sentinel 3 Marine and Land</u> Full availability, since June 2018.</p> <p><u>Sentinel 5 products</u> to come in February 2019</p> | <p><u>Sentinel 1 Products</u> = All levels and product types in the original format</p> <p><u>Sentinel 2 Products</u> = All levels and product types, in the original format.</p> <p><u>Sentinel 3 Land Products</u> = All levels and product types, in the original format, for OLCI and SRAL instruments.</p> <p><u>Sentinel 3 Marine Products</u> = All Level-2 product types, in the original format, for SRAL, OLCI and SLSTR.</p> <p>Products are available few hours after publication on the ESA hubs/source servers. ONDA retrieves these data without other delays than transfer time.</p> <p>NRT products are not offered as the rapidity to access the data is the critical parameter. To not add additional time lags in getting these data from the DIAS, data must be recovered through the ESA Hubs.</p> |
| HR/VHR | Yes | <p>ENVISAT From January 2007 to January 2010</p> <p>LANDSAT-8 Coverage over Mediterranean countries from April 2018</p> | <p>ENVISAT = ASAR L0 products</p> <p>LANDSAT-8 = OLI/TIRS L1T products</p> |
| Other EO data (please specify in the description) | Yes | Commercial/Private Data (Customer property) | ONDA IaaS provide solutions to host commercial/private data. Portfolio include SSD/HDD Disk or Object Storage solutions. For license protection reasons, data are not publicly accessible through the Catalogue but through the specific and private virtual environment of the customer. |
| Non-EO Data (please specify in the description) | No (Planned - Q2 2019) | | ONDA gives priority in giving access to customer of multi petabytes on satellite data freely accessible on the web. The ONDA evolution lines planned to offer a service where indexes derived from these satellite data are accessible (e.g NDVI, Urban Index or Burnt Index, etc. from Sentinel-2A, landsat-8, etc.) |
| Other types of data (please specify in the description) | No (Planned - Q2 2019) | | <p>In situ Measurements foreseen in the future (Coriolis Dataset, Argo Floats data, etc.)</p> <p>The future ONDA service based on REST API (WMTS service) allows merging any type of georeferenced information (raster, vector, etc.)</p> |
| Services | Available (Yes/No) | Which ones? | Comments |
| Copernicus core services available locally | Yes | <p><u>CMEMS - Copernicus Marine Environment Monitoring Service</u> Selected datasets since June 2017</p> <p><u>CLMS - Copernicus Land Monitoring Service</u> Selected datasets since June 2017</p> <p><u>CAMS - Copernicus Atmosphere Monitoring Service products</u> to come in February 2019</p> | <p><u>CMEMS</u>: Processing level L3 and L4 Observation and information produced in the following application: Marine Safety Marine resources Coastal and marine environment Weather seasonal forecasting and climate</p> <p><u>CLMS</u>: Processing Level L3 Information produced by the service (land cover/land use and indexes related to the vegetation state or the water cycle)</p> <p><u>CAMS</u>: Processing Level L4 Real-time analyses and forecasts of chemical species and aerosol</p> |
| Backend services for developers | Yes | | ONDA offers 2 APIs to access multi petabytes of data (EODATA and Advanced API ENS). ODATA queries can be used directly in the Catalogue for data search, view and download. ENS API allows accessing within products and dive into it up to the thinnest level of information (e.g spectral band). No download nor unzip are required to process the data |
| EO Processing Tools | Yes | <p>Open Source tools for Data processing, software development, dissemination of value added products and Administration of front end services.</p> <p>Focusing on data processing, most widely used open source tools for data processing are available = SNAP, QGIS, Orfeo Libraries, ESA Toolboxes, GDAL</p> | A number of dedicated Software tools are available as part of the Custom Environments service (see below), which provides pre-configured virtual environments and is free for all users who sign up with our Virtual Server service. Non exhaustive list is available at https://www.onda-dias.eu/cms/services/catalogues/tools/ Note that any missing Open source tool can be added under request. |
| EO applications Professional services | No No | | <p>ONDA strategy is to be an "Enabler of Capabilities" and, as a consequence, does not directly generate or produce EO applications or professional services. ONDA provides its portfolio to make users capable of developing and commercializing their thematic services. With ONDA services, customers develop and make use of their own application with no other interaction with SERCO. They are the full and lonely owner of their application/service.</p> <p>Of course, SERCO can participate offering its expertise for some services (users support and management, engineering services etc...). Furthermore, ONDA market place gives a free vitrine to all applications/services developed with ONDA (non exhaustive list at https://www.onda-dias.eu/cms/marketplace/cataloguem/).</p> <p>In this perspective, ONDA applies an "Horizontal" approach as it serves a wide variety of potential customers, regardless of what type of thematic application or business they are dealing with.</p> |

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|---------------------|--------------------|--|---|
| | | Data Hosting Business Support Service | <p><u>Data Hosting</u> ONDA Data Hosting service allows customer to store their own data and make it available through the ONDA interfaces and services. Customer decides to keep them private or to share them openly or the selected partners.</p> <p><u>Business Support Service</u> ONDA Business Support service provides users with the benefit of dedicated services that include:</p> <ul style="list-style-type: none"> • Dedicated Architect for Engineering support and troubleshooting and investigations • Dedicated billing: Flexible payment possibilities and ad-hoc SLAs negotiations • Security reporting • Delivery optimisation + minimum delay guaranteed |
| Managed services | Yes | | |
| | | Custom Environments | <p><u>ONDA Custom Environments</u> service allows you to optionally benefit from pre-configured templates when ordering a Virtual Server. These available virtual environments also include dedicated Software Tools. The Custom Environments service is optional and free-of-charge for all users ordering a Virtual Server: Customer has just to select its custom template at the moment of ordering the virtual machine</p> <p><u>Customized cloud solution</u> relies on private cloud (VMWare technology). Customer has dedicated cloud resources (i.e. no other users will access resources physically in the host reserved to the customer). All the native features are included with the High Availability as well.</p> |
| Other services | Yes | | |
| Support | Available (Yes/No) | Comments | |
| | | |  |
| Manuals | Yes | | |
| | | Tutorials to access ONDA services |  |
| Tutorials | Yes | | |
| | | ONDA team can be reach through one single and clear contact point = the "Contact us" email. A heldesk support is available to respond to all requests from generic information to customer troubleshooting. | |
| Support | Yes | | |
| Type of Cloud offer | Available (Yes/No) | Comments | |
| | | ONDA Cloud provider is OVH. 2 payment models are proposed = 1) pay per use or 2) a monthly fee Public offer relies on OpenStack technology and propose a high level of granularity in terms of VM'specification, starting from a single 2-CPU host, up to entire multi-layered systems. In case of more complex requirements/requests, ONDA develops ad-hoc solution based on B2B quotation. | |
| Pay-per-use | Yes | | |
| | | ONDA has a public portfolio. Users select a model (VM, Storage, customized environment...) and increase/decrease its specifications according to needs at any time. Packaged offer can also be configured with the customer through bilateral exchanges. Some are currently offered such as the ONDA 4 Education package including Infrastructure, Data but also training on EO based thematic applications. | |
| Package offer | Yes | | |