



## **EO bespoke processing service**

The user algorithm hosting services offered by Atos are based on the Mundi platform, taking advantage of Mundi's IaaS and DaaS services. Using the Mundi platform as a tremendous enabler for adaptive EO products processing, Atos provides hosted processing for user defined algorithms.

The satellites data on which the data processing services can be run on are Sentinel-1, Sentinel-2, Sentinel-3, Sentinel-5P and Landsat-8. VHR commercial data (Deimos, Pleiades, Maxar, Cosmo-Skymed, ...) can be added on-demand. Algorithms have to be provided as Docker images, with the ability of reading an input EO product as an HTTP stream. The corresponding K8S description file shall also be provided for scheduling. Atos can provide dedicated support for input adapters and output adapters to the result storage.

The description of the product input list can be either a list of products ID or tiles, or an OGC CSW query to be applied on Mundi's EO catalogue. Please see <https://mundiwebservices.com/data>.

As the processing is based on an elastic cloud environment, the duration of the processing of a list of tiles can be adapted to the user needs, shorter time meaning a larger number of processing units in parallel.

Results of processing are usually stored in a private AWS S3 compatible object storage, that can be later shared with other users. Depending on the interest of the resulting products for the EO community, the storage can also be taken care of by Mundi, as a public collection.

Specific milli-core granularity can be also provided through K8S cluster scheduling. Specific configuration with GPU models (NVIDIA M60, P100 and V100 graphic cards) are provided on demand.

The End User License Agreement (EULA) is a combination of the terms of use of the underlying cloud (Open Telekom Cloud) and of the processed products (ESA and USGS).

## **User Support Services**

Everyday Atos' 110,000 people in 73 countries are developing and implementing innovative digital solutions that support the business transformation of clients and address the environmental and social challenges we all face.

Atos can provide IT/IS support all over the world for platform training, algorithm implementation support, and EO products exploitation support. Communication language is usually English, but support can also be offered in German and French.

Please see <https://mundiwebservices.com/offer> or <https://atos.net/en/>.

The pricing is based on hours of dedicated support. Volume discount or monthly subscriptions shall be offered for large volumes.

## **For algorithm optimisation for cloud environment**

We are business technologist! Through our unrivalled experience in IT technology applied to Earth Observation domain, we can help you to improve your EO algorithms implementation on the cloud.

We provide application build support, expertise for move to cloud, cloud implementation and operations, or cloud costs optimisation, in both time & material and firm fixed.

## **For business model definition and implementation**

Improve the time to market of your business! Helping you, to better targeting of your clients and increase of your value proposal, we provide support on business and consulting streams.

You benefit in a close relationship of our consultancy in strategy, marketing, communication and commercial teams. Together, we establish the strategic analysis of your company/service, the most accurate marketing and communication solutions in your context, an efficient business model, the adapted strategy for go to market , the outreach campaigns and partners linking for your business, using state of the art tools (design thinking approach, agile methodology, canvas business model, digital marketing, UX design). Please see <https://mundiwebservices.com/offer> or <https://atos.net/en/>.