Ellip Operational Algorithm Hosting

The Operational Algorithm Hosting pack deploys and operates a previously packaged algorithm, delivered as a service in the Cloud and exposed through a Web Service endpoint, compliant with the Open Geospatial Consortium Web Processing Service (OGC WPS) standard interface.

This pack is targeted for service providers who want to deliver an operational processing service to a group of selected end-users, portals and B2B client applications. The authorized users of the service are able to define processing parameters, trigger data processing jobs or setup systematic processing requests, and to establish the data pipelines for the retrieval of the information produced. Data access mechanisms to Earth Observation data products from Copernicus Sentinel-1/2/3, Landsat 8 products or user-provided datasets are also available from that environment. Other missions (e.g. SPOT, Pléiades) are available on a case by case depending on the agreements with the providers.

This offering includes the provision of the ICT resources necessary for the planned usage scenario, the operations management for the hosted service and the Web Applications customized for the service execution and monitoring.

This pack provides services in a pure pay-per-use model. This pack comes with 1TB persistent storage with subscription. Additional storage is available in pay-per-use at €35 per TB/month, or you can bring your own data and host it for €40 per TB/month.

Ellip Support to Algorithm Integration

The Support to Algorithm Integration pack provides a dedicated Cloud application integration environment with software tools, libraries and access to distributed Earth Observation data repositories powered by dedicated ICT resources and storage.

This pack is targeted for developers that want to adapt and package their existing algorithms written in a specific language (e.g. Python, R, Java, C++, C#, IDL) to fully exploit the power of distributed computing on a production Cloud.

The support provided is focused on guiding the developer to define the parallelisation strategy, the data management requirements, the tools and libraries necessary, and identify the overall best production plan in a Cloud environment that can be matched by the integrated algorithm. Ultimately, the algorithm is included in an Application Package ready to be deployed and scaled in a Ellip-powered production Cloud and exposed through a Web Service endpoint, Web Processing Service (OGC WPS).

This pack includes the access to Earth Observation data from Copernicus Sentinel-1/2/3, Landsat 8 products or user-provided data. Other missions (e.g. SPOT, Pléiades) are available on a case by case depending on the agreements with the providers.