











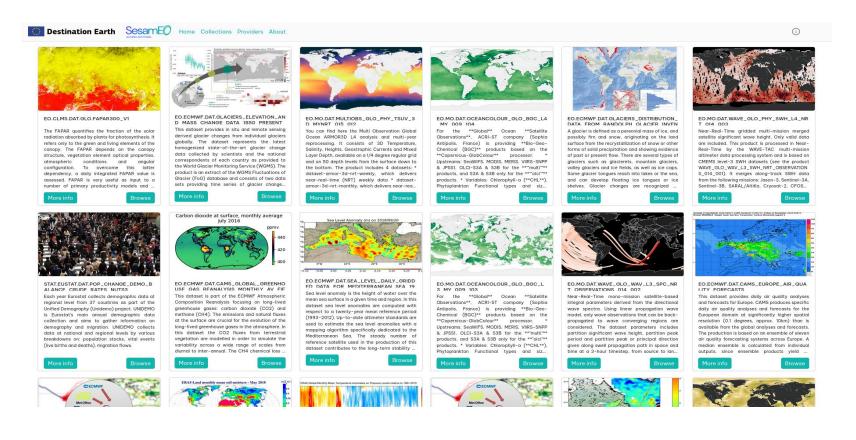


Introduction

SesamEO[®] makes heterogeneous data easily accessible. It acts as a bridge to access data served by different Providers.

Data is represented by products, which are accessible by Collections.

These Products can be metadata associated with one or more images, datasets in the form of json or xml, or even csv type datasets...

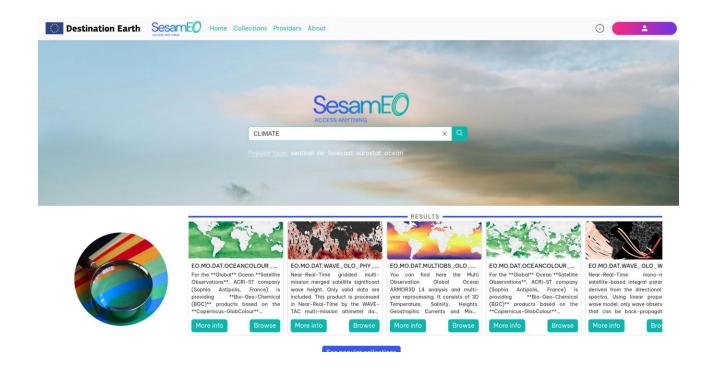




Browse collections

From your Home screen, search your Collections by keywords

The Collections are defined by the data providers, or are created by SesamEO® configuration has classified them in the form of a collection based on a filter on certain data

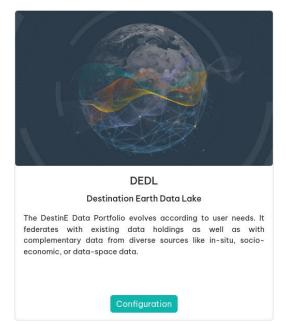




Providers

Three Providers are managed







Adding Providers will be even simpler if they support Odata, STAC or SDMX



Connection to Providers

Depending on the Providers, the users are requested or not to provide their authentication information.



Copernicus Data Space Ecosystem Access a wide range of Earth observation data from the Copernicus Sentinel missions and more. Provider link: https://dataspace.copernicus.eu/ Operations requiring credentials: download assets Registration: Register on Provider You can save your provider credentials below: Username: frederic.lefur@gael.fr Password: Change your password



Destination Earth Data Lake

The DestinE Data Portfolio evolves according to user needs. It federates with existing data holdings as well as with complementary data from diverse sources like in-situ, socio-economic, or data-space data.

 Provider link:
 https://hda.data.destination-earth.eu/ui

 Operations requiring credentials:
 search products,download assets

 Last synchronization:
 2024-10-08T02:03:35.144364Z

 Registration:
 Register on Provider

Access to DEDL can be effective via the DESP session, Please follow all steps of instruction available in DEDL documentation: https://destine-data-lake-docs.data.destination-earth.eu/en/latest/dedl-big-data-processing-services/Access-BDP-services/Access-BDP-services.html



Dynamic list of collections

The list of Collections and associated providers is enriched in several ways:

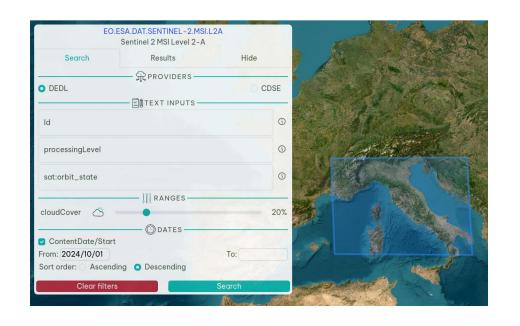
- This can be discovered dynamically and at regular time intervals, which is currently the case for the DEDL Provider
- In case SesamEO® finds a Eurostat Collection in DEDL, SesamEO® adds the Eurostat provider so that the user can access the dataset directly
- This can be created by SesamEO® according to filters or datasets, which is currently
 the case for CDSE



Filter Collections

Automatic discovery of filtering capabilities on a Collection/Provider

In order to unify some filter criteria across all criteria providers (for example cloud coverage)
SesamEO® converts some fields or filters.





Switch to another Provider and keep your filter

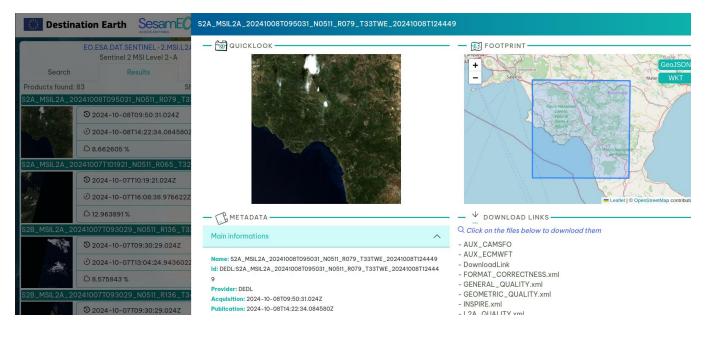
Some collections or some filter criteria can be hidden.

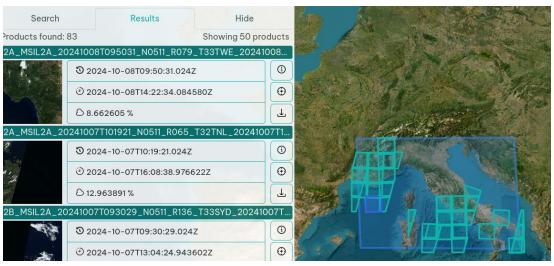


Products

The products from the selected Catalog are displayed

You can download or localize them on the map if geography information is present





Products metadata are displayed and each asset (if any) can be downloaded

Licensing information related to the Collections is indicated as given by the Provider.



SesamEO® today

- There are about 130 Collections discovered on DEDL.
- EUROSTAT Collections are accessible in SesamEO® over DEDL or EUROSTAT directly.
- Several Sentinel Collections are accessible in SesamEO® over DEDL or CDSE.



What's next?

- Possibility to create custom Collections, based on filters and Providers
- Possibility to order and download offline products
- API documentation
- Connection to DeltaTwin





Thank you