https://platform.destine.eu/

Interacting with DestinE Platform and Edge Services

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Destination Earth
Funded by the European Union
Implemented by ECMWF esa EUMETSAT

Current status of DestinE System

The Destination Earth (DestinE) System was launched on the 10th June 2024 in Kajaani, Finland. From that day, the platform to access DestinE services has been up and operational.

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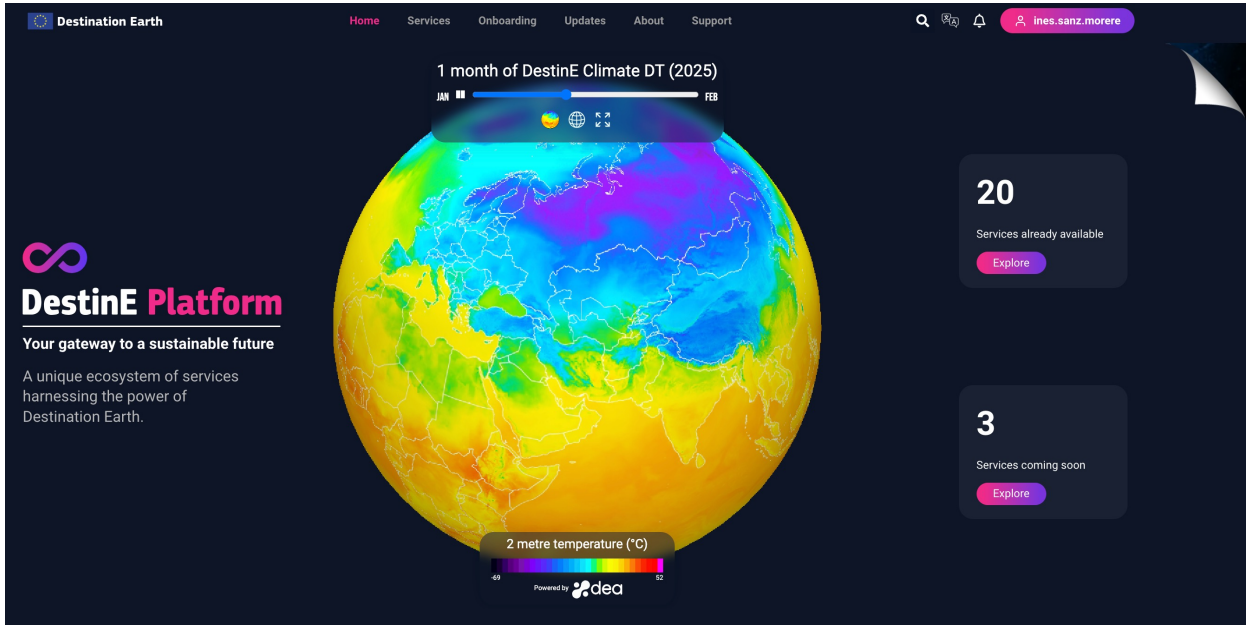
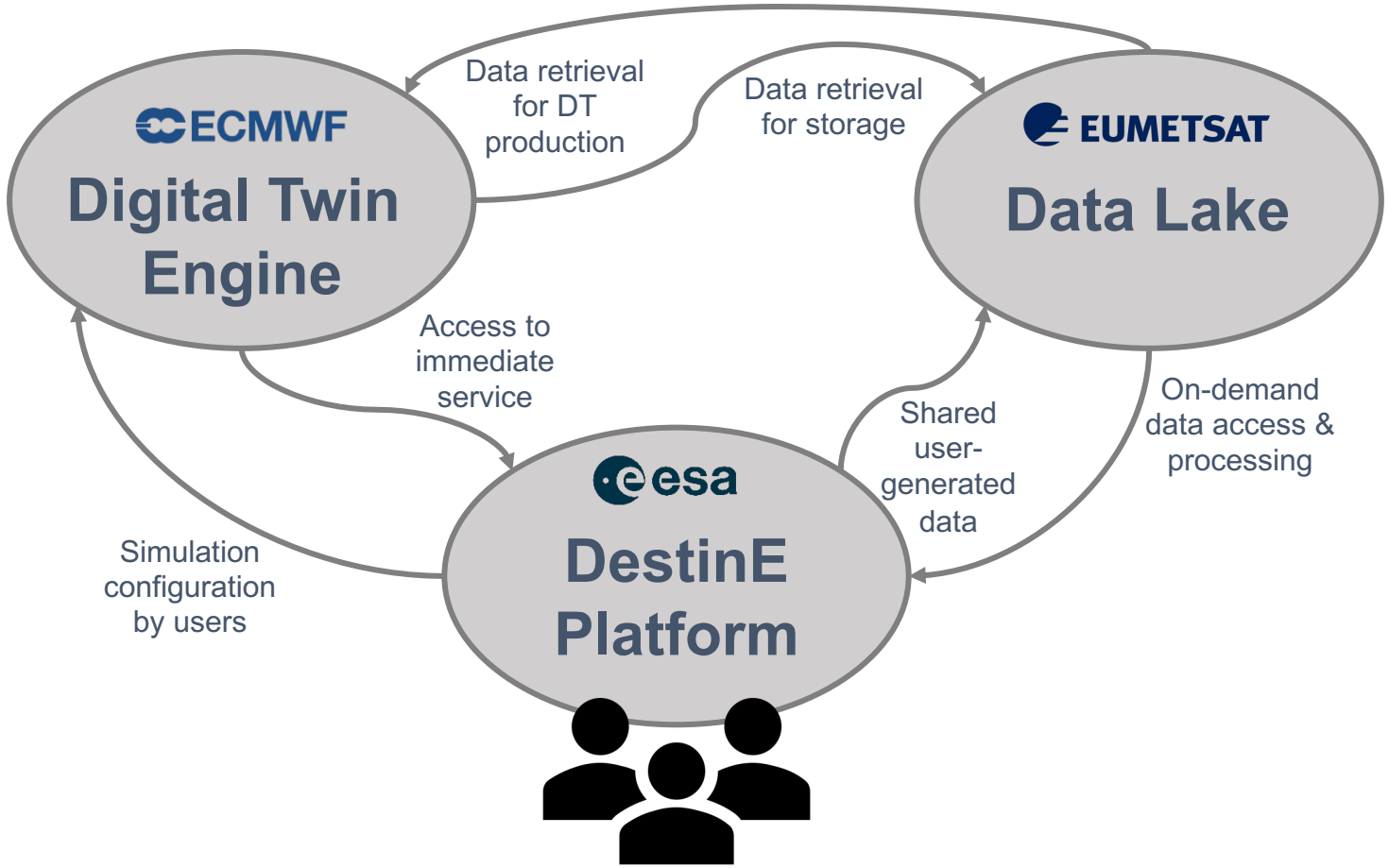


The User Access Policy to access DestinE System has now been defined by the European Commission, and the system is open for public registration through DestinE Platform.

The policy aims at a staged opening with a long-term objective of a broad opening of the system.

DestinE System high-level overview

DestinE is building a highly accurate digital model of the Earth, and the system allowing data exploitation.



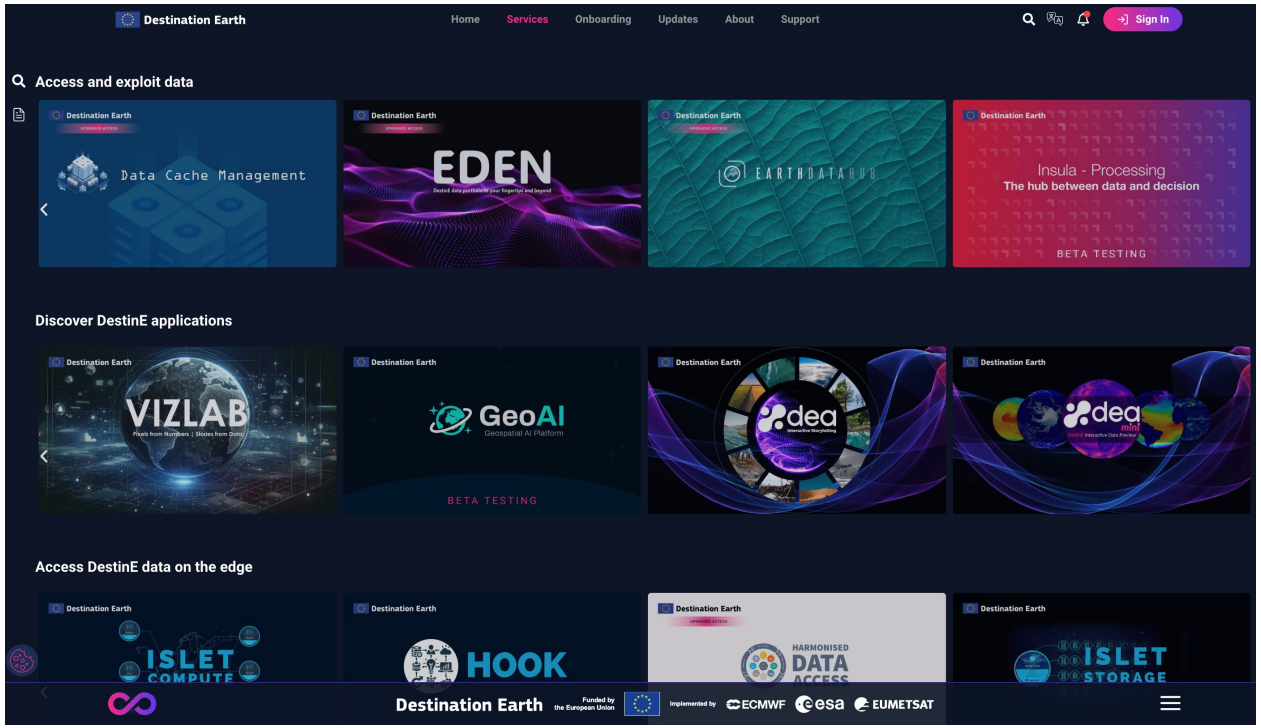
The DestinE Platform as an ecosystem of services

The DestinE Platform allows users to ***discover DestinE data and exploit them locally*** with:

- Data access services, for DestinE DTs data and multiple other data sources,
- Data processing services, for users to exploit and manipulate the data,
- Visualization services, for users to communicate the results of their activities.

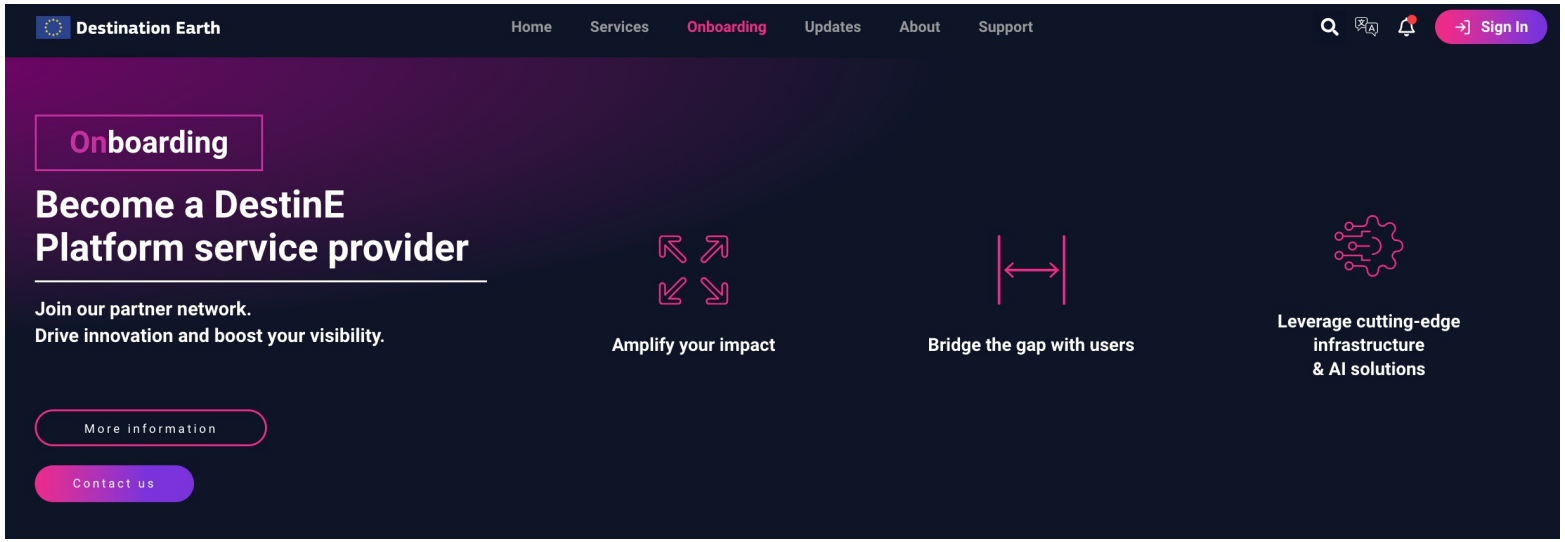
All services are scalable and designed to adapt resources consumption to demand.

A flexible ecosystem of services available to DestinE users



Enlarging and diversifying the DestinE Platform ecosystem

An Onboarding Procedure for integrating new services in the DestinE Platform is now ready to be used..



The 3Es (ESA, ECMWF, and EUMETSAT) and the European Commission are responsible of reviewing the evolution of DestinE services catalogue.

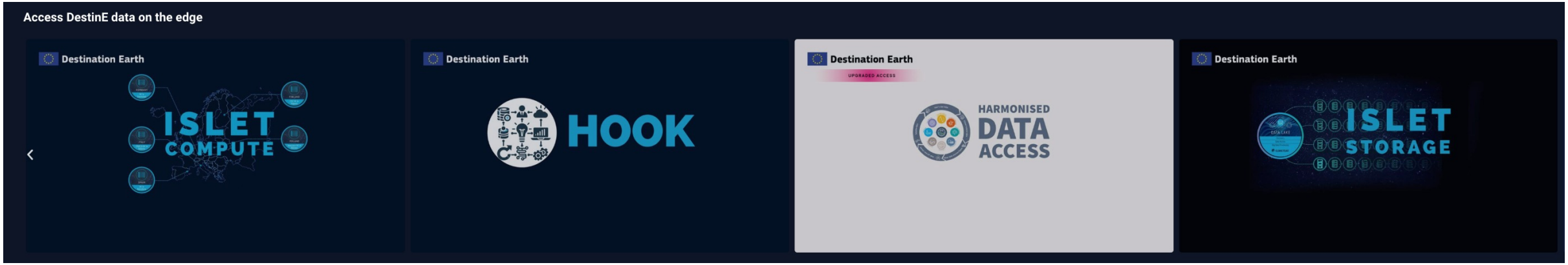
The DestinE Platform data offer

Users can directly access data from the platform through key services.

- DestinE Digital Twins data are always available from the source in native format and resolution (ECMWF Polytope Service).
- Multiple data sources are available from the DestinE's Data Lake data access services (DestinE DTs data, Copernicus data, Eurostat data, etc.).
- Dedicated Platform services document their data offer in the Service Registry (e.g. Platform Data Cache service that facilitates the local exploitation of extracted climate data with lat/lon reprojection)

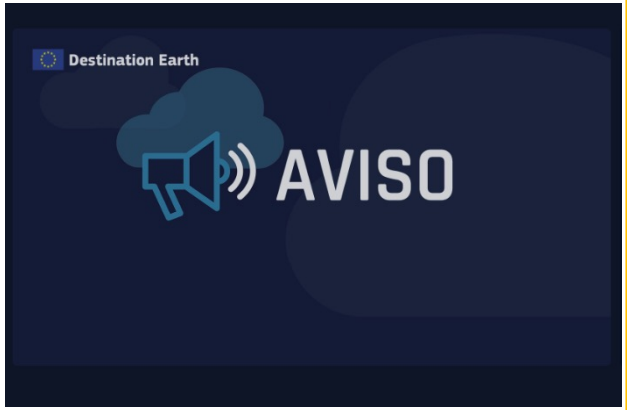
The DestinE Platform integrates the DestinE System

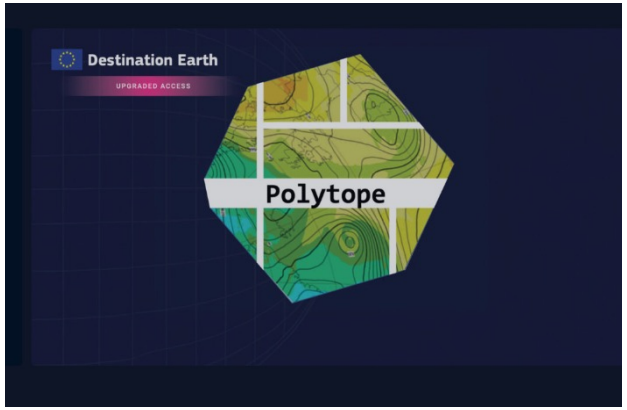
DestinE Data Lake (EUMETSAT)



DestinE Digital Twin Engine (ECMWF)

Provides access to DestinE data





The Platform ensures the integration of the Destination Earth System, e.g. allowing users to access the services provided by:

- DestinE Data Lake
- DestinE Digital Twin Engine

The DestinE System access overview

2 parallel processes

Open public registration in DestinE Platform

DestinE Platform
Registered User

Access to open services

After approval
(request through DestinE Platform)

DestinE Platform
Upgraded Access

Access to Upgraded Access services

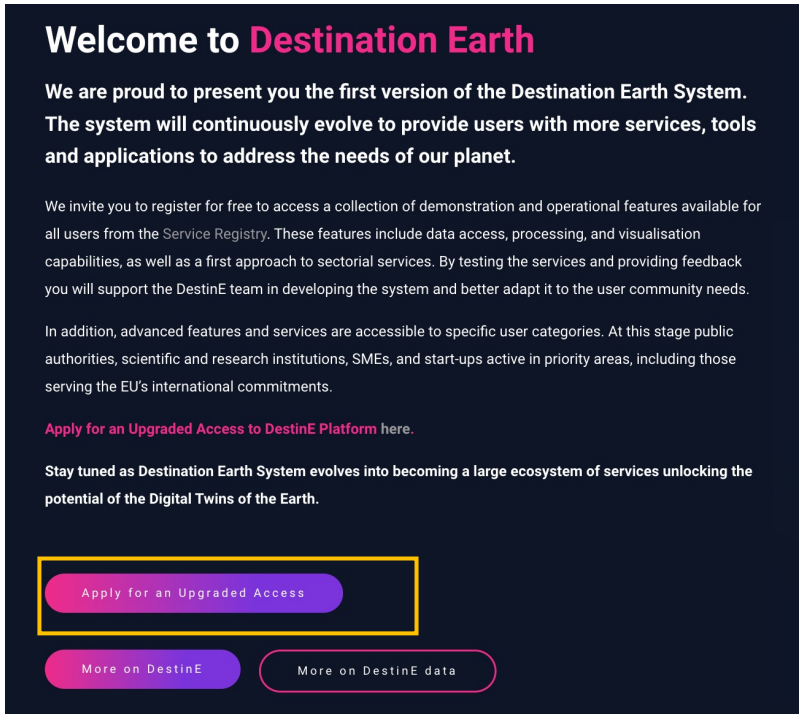
After approval
(request through DestinE Data Lake)

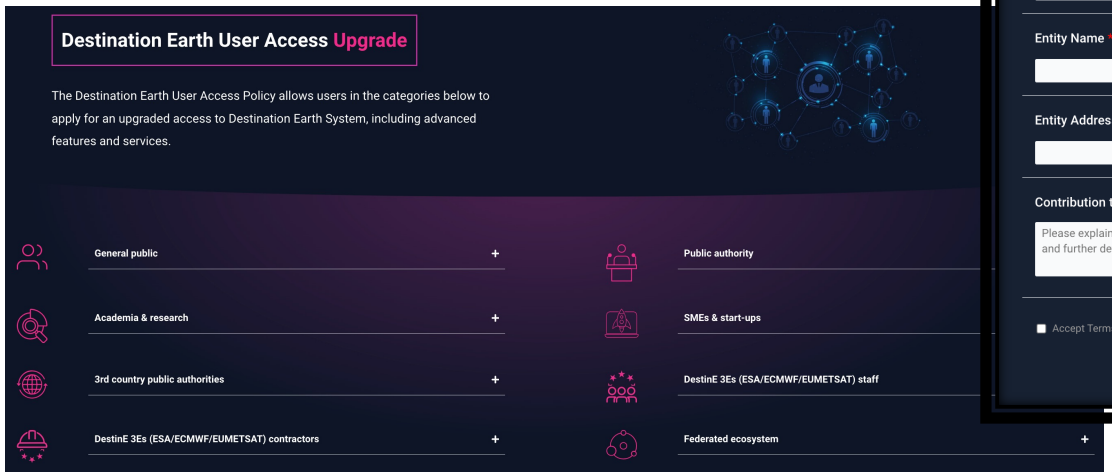
DestinE Data Lake
Edge Services Restricted Access

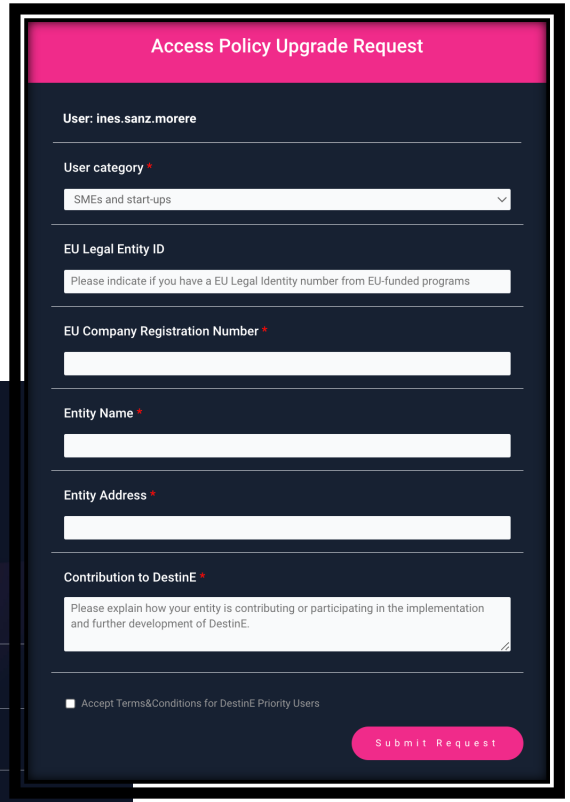
Access to Edge Services from DEDL

The DestinE Platform Upgraded Access

Some services of DestinE Platform Service Registry are only accessible after the approval of Upgraded Access by the European Commission. At this stage, the following categories are allowed to request Upgraded Access: ***public authority, academia & research, SMEs and start-ups, 3rd country public authorities, and DestinE 3Es contractors.*** This list will be enlarged through time.

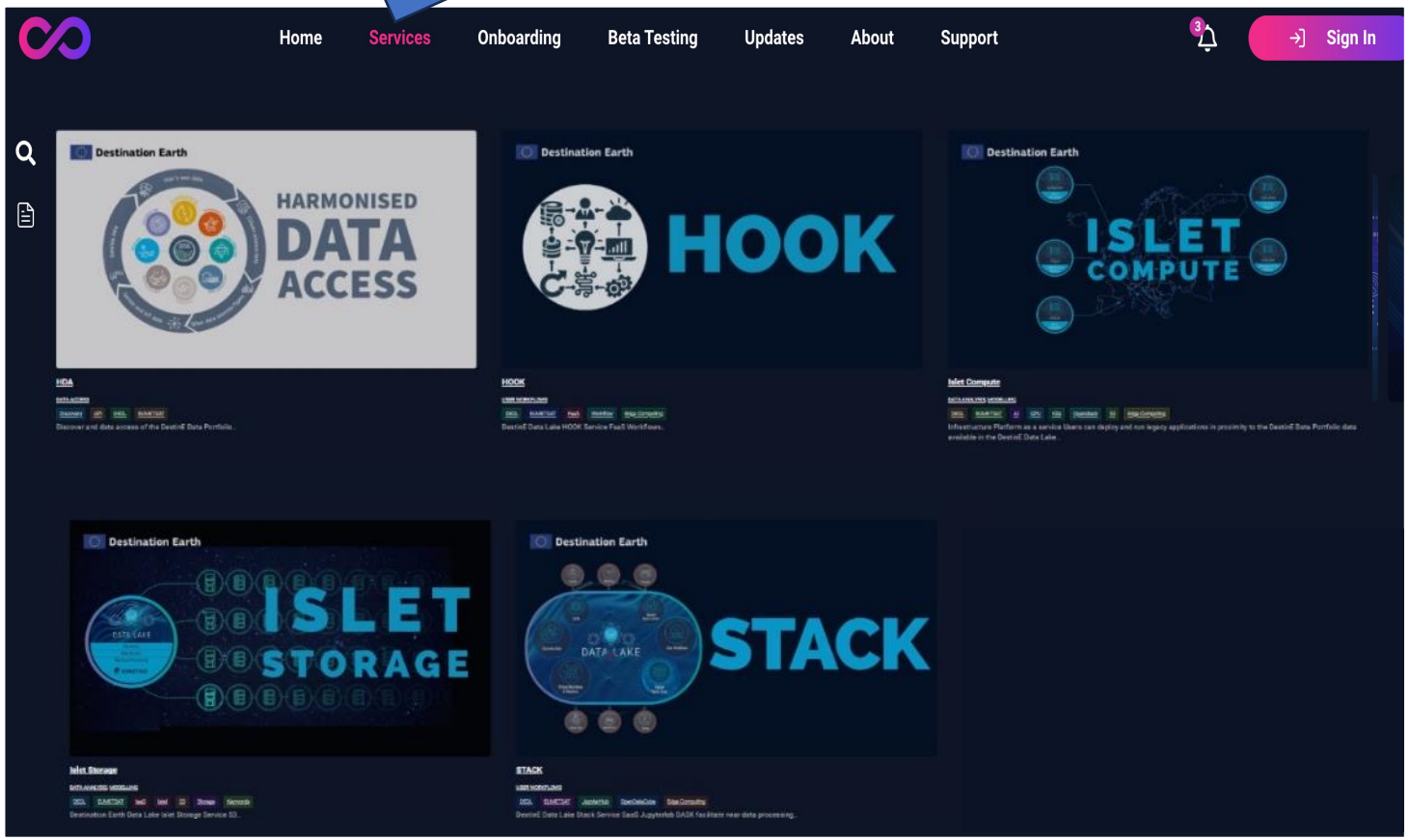






How to access DEDL services....

SERVICE REGISTRY

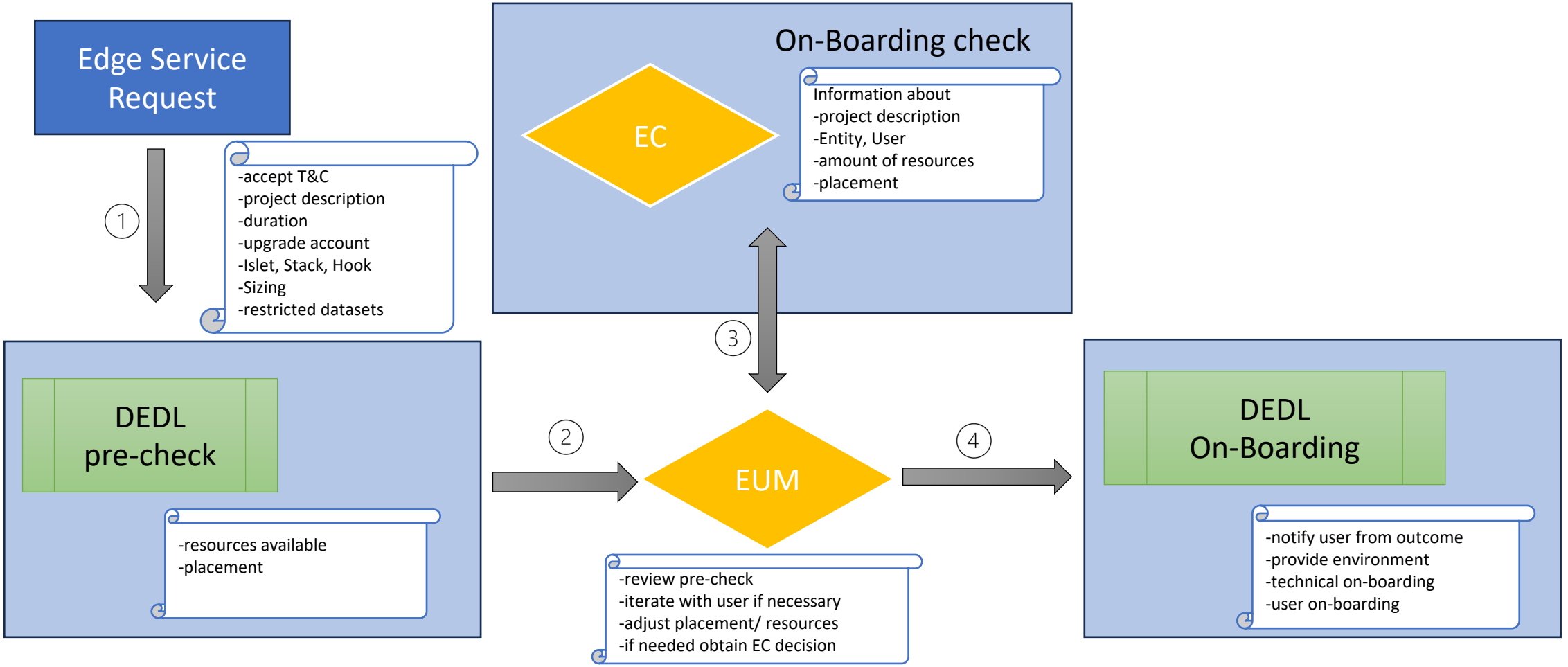


https://platform.destine.eu

- register/ sign in
- discover services
- **work with HDA**
- **request access** to edge services

The DestinE Data Lake Edge Services access

Access to the Destination Earth Data Lake Edge Services (near data computation): Islet, Stack, Hook



The DestinE Data Lake Edge Services access

Data Lake – **myServices** App

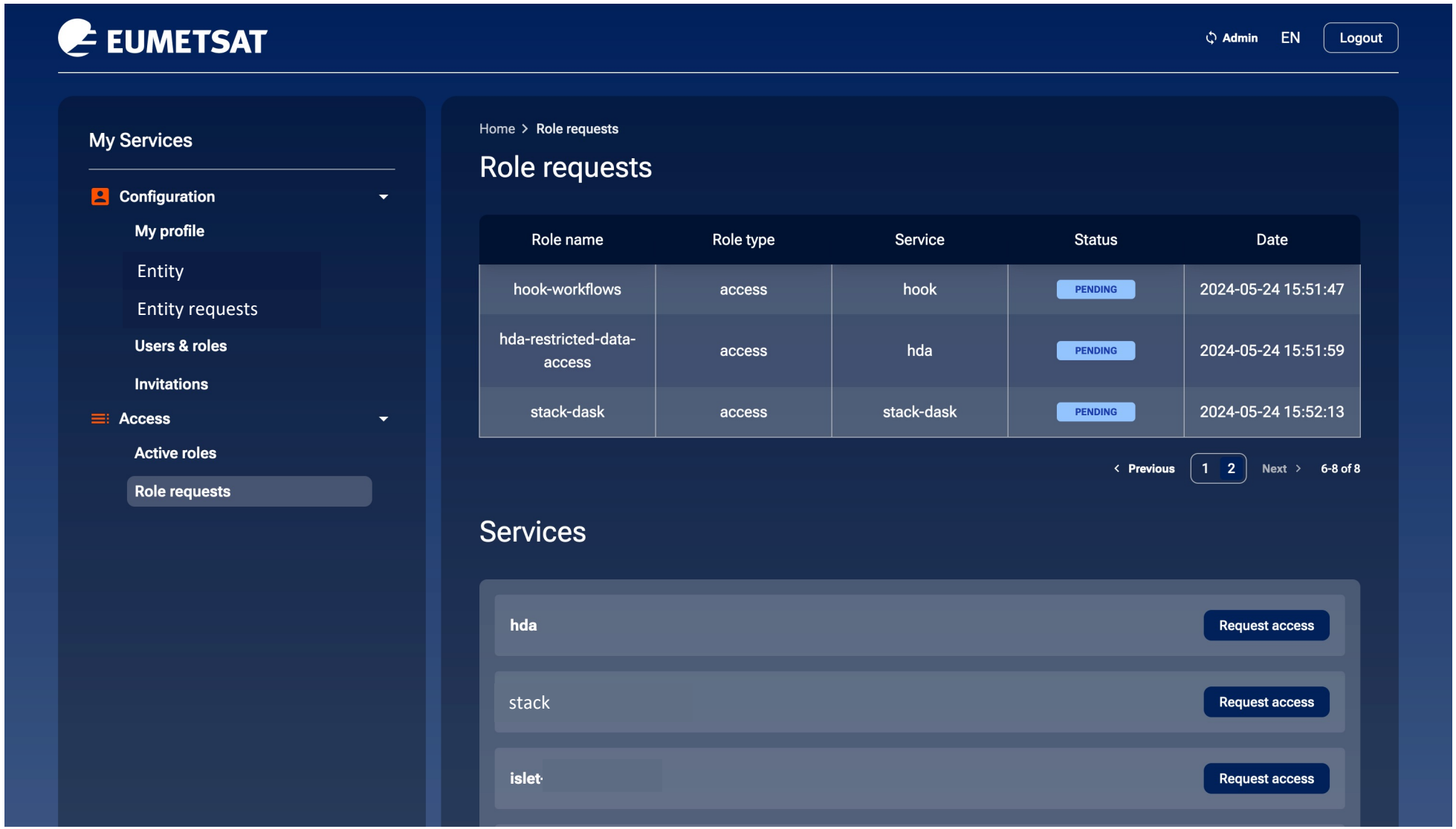
Self-service to request access to edge services (as in DESP)
- profile completion
- entity information
- accept T&C

near data processing services:
- STACK
- HOOK
- ISLET

upgrades to access:
- restricted datasets
- enlarged quotas

Edge Services are granted following approval process (whitelist) as in DESP

Under finalization…



The DestinE Data Lake Edge Services access

- DEDL My Services app development is completed
- The authorisation process to use Edge Services is being finalised with EC
- The Terms and Conditions are being finalised too

Until then….

Submit requests to **DESP services desk** requesting the edge services

https://platform.destine.eu/

Thank you!

Destination Earth

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