

DestinE Platform



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Destination Earth

Funded by
the European Union



Implemented by



DestinE Platform

<https://platform.destine.eu/>

DestinE Platform

Your gateway to a sustainable future

A unique ecosystem of services harnessing the power of Destination Earth.

Register

1 month of DestinE Climate DT (2026)

2.940 Users
Join us

23 Services already available
Discover

Data available from 2 DestinE Digital Twins
Explore

Surface thermal radiation (J/m2)

Powered by dea

Evidence-based decision making

Climate Change adaptation

Cutting-edge infrastructure

Open & flexible framework

Collaborative environment

Welcome to DestinE Earth

The DestinE Platform is **at the service of the European's digital and green transitions**, and designed to:

- Operate on a European sovereign solution (OVHCloud)
- Enable climate critical services by making DestinE Digital Twins data accessible,
- Stimulate innovation and new operational usages,
- Foster the **growth of European Industry**.
- Scale with diverse users' community adopting the governance.

Good to know

The cloud provider offers flexibility, and our approach is to use a generic platform deployment model that can be administered either by us or by a local entity, ensuring compliance with national, local, or organizational requirements. (Planned for Phase 3)

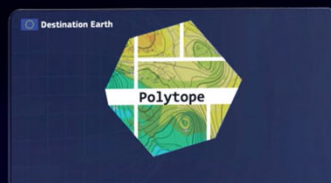
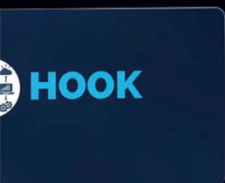
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- **Enable climate critical services** by making DestinE Digital Twins data accessible,
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A Flexible Ecosystem of Services

<https://platform.destine.eu/>

The DestinE Platform represents a **flexible**



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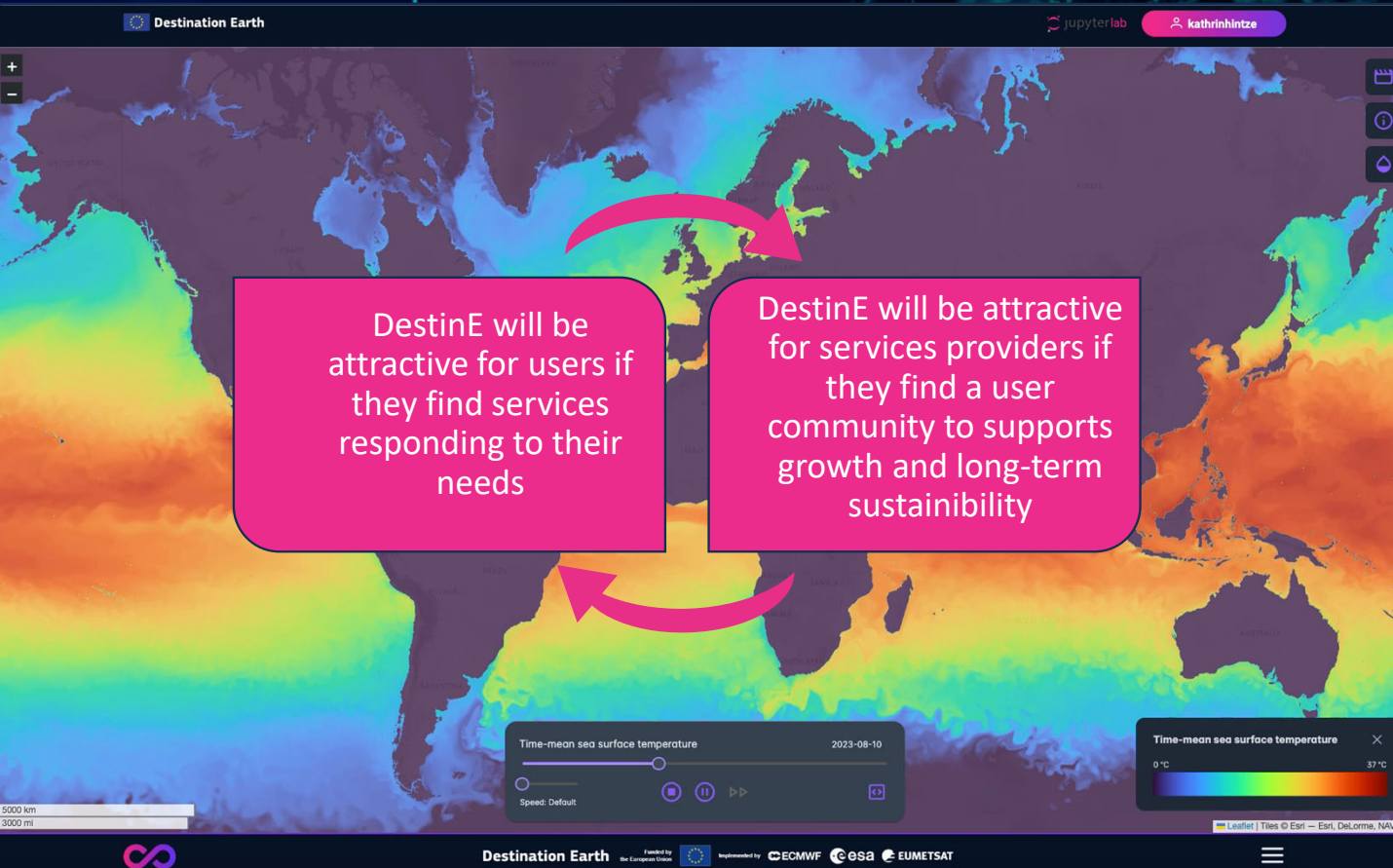
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Destination Earth funded by the European Union
Implemented by ECMWF, ESA, EUMETSAT

Current Service Offer

<https://streamer.destine.eu/>



Currently **23 services** are in operations, those include:

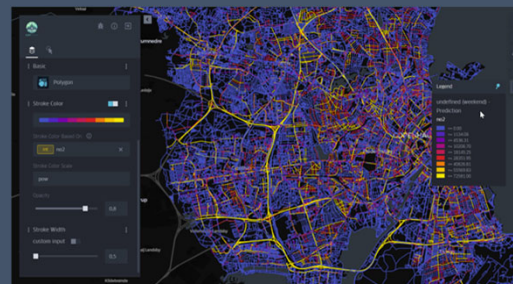
- 🌐 **Data access services**, for DestinE DTs data and more
- 🌐 **Data processing services**, for users to exploit and manipulate the data,
- 🌐 **Visualization services** based on storytelling approach, for users to communicate the results of their activities.

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

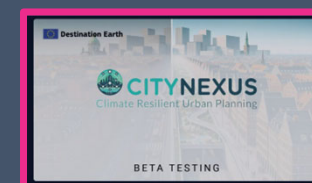
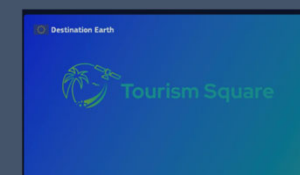
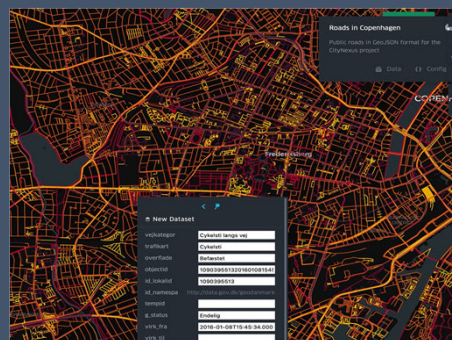
Services addressing user needs

<https://citynexus.destine.eu/>

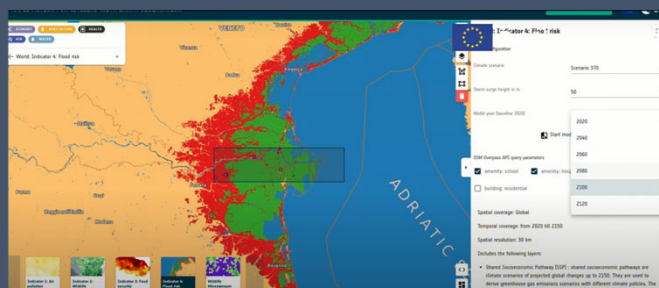
CityNexus is a novel digital twin application that enables scenario modelling and data-driven planning for resilient, inclusive, and sustainable cities.









Additionally, services addressing the needs of end users are gradually being added to the service registry:



Urban Square is a digital twin application for city-scale climate resilience planning, providing hyperlocal simulations to support green infrastructure decisions and urban transformation



The Access Point to DestinE System

	Data Cache Management	The Data Cache Management Service (DCMS) is a local storage on the DestinE Platform for frequently used data, flexible to be adapted to user needs. It contains a subset of DestinE Digital Twins data in ZARR format and lat-long projection.	Go To Service
	DestinEStreamer	The DestinE Streamer service provides optimized data access through advanced compression and access techniques. Among others, it provides access to DestinE Digital Twins data retrieved from the DCMS.	Go To Service
	EDEN	The EDEN service is a service providing access to a variety of datasets. It includes a direct interface to the HAD service to access native DestinE Digital Twins data.	Go To Service
	HDA	The Harmonised Data Access (HDA) is a service offering a STAC API allowing users to browse through the wide variety of data made available in the DestinE Data Portfolio, including the native DestinE Digital Twins data.	Go To Service
	Polytope	The Polytope service is a service providing access to the full data portfolio of native DestinE Digital Twins data. These native data are shared in healpix projection and in the form of hypercubes.	Go To Service
	SesamEO	The SesameEO service is a service providing a direct interface to different data access services making heterogeneous data easily accessible. It includes sources such as the HDA, to retrieve native DestinE Digital Twins data, the local Cache A of DestinE Platform, as well as Copernicus or Eurostat.	Go To Service

The DestinE Platform acts as the **access point to DestinE System** by providing access to all DestinE users to a variety of services supporting the exploitation of:

- the DestinE Digital Twins* data, generated by ECMWF and stored in EUMETSAT's Data Bridges, and
- the data from the federated data sources interfacing EUMETSAT's Data Lake.

*the DestinE Digital Twins data are only accessible by upgraded access users approved by DG-CNECT.

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

Enlarging and Diversifying the DestinE Platform

Best Practices

Objective: Enhance the set of Data Management services.

Context: DestinE Platform Core services.

Funding: ESA funds service operations based on a cost model linked to the number of active users.

Open Calls

Objective: Onboard advanced services.

Context: Advanced Applications and Services contract.

Funding: ESA funds for the onboarding process and for the first 6 months of operations.

Onboarding

Objective: Enhance the overall set of services supporting DestinE.

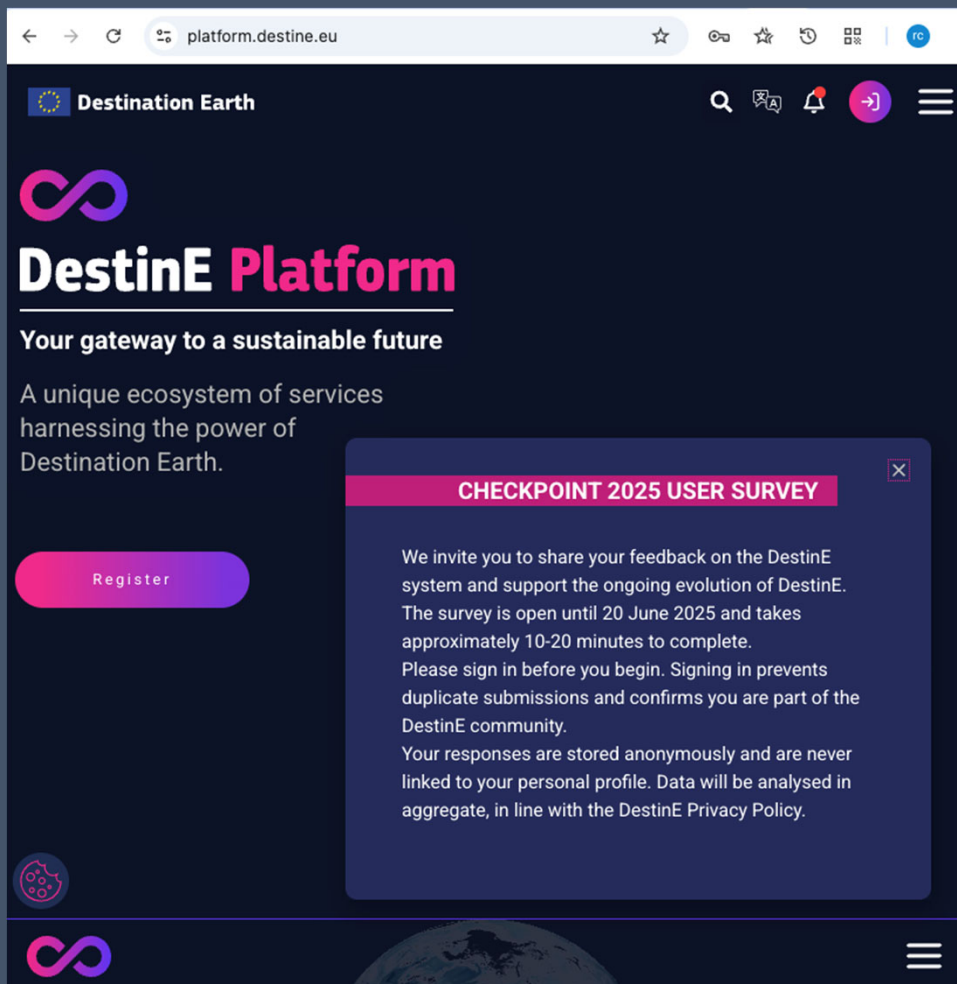
Context: DestinE Platform.

Funding: Candidate services seeking onboarding must provide evidence of their plans for sustaining operation costs.



Note: Stable Platform Management services to ensure a continuation of the basic capabilities during time

Your feedback is important!



Don't forget to register!



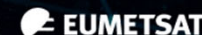
Use the Survey
to convey immediate reaction!


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A graphic featuring two globes. The left globe is a realistic Earth showing continents and oceans. The right globe is a blue, pixelated or dotted representation of Earth. Both globes are surrounded by a complex network of glowing purple and pink lines and dots, resembling a satellite constellation or a global communication network. The background is a dark blue space with faint stars.

We're here to **support adoption, use, or co-development** of DestinE
for your local applications
Open to **new ideas and tailored support**.
Contact us: engage@destine.eu