



# EXPLORING THE DESTINE PLATFORM

Your Gateway to a Sustainable Future

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DestinE Platform - Serco Italia S.p.A.

Media Workshop  
19 June 2026



# DestinE Platform Journey: from access to operational use



## DestinE Platform

Your gateway to a sustainable future

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

Home

Services

Onboarding

Updates

About

Resources

Search

Help

Notifications

Sign In

Global temperature from DestinE Climate DT - GEN 2

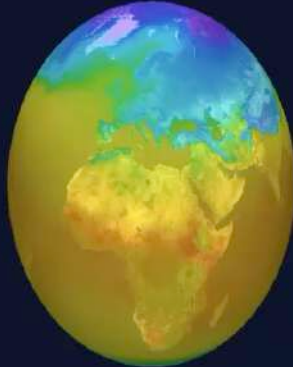
2015

2050

☀️

🌍

☁️



Monthly 2m temperature with IFS-NEMO model (°C)

-60

50

Powered by

dea

NEW - GEN 2

Climate DT

Explore Climate DT

8.468

Registered Users

Register

48

Services already available

Discover



Evidence-based decision making



Climate change adaptation



Cutting-edge infrastructure



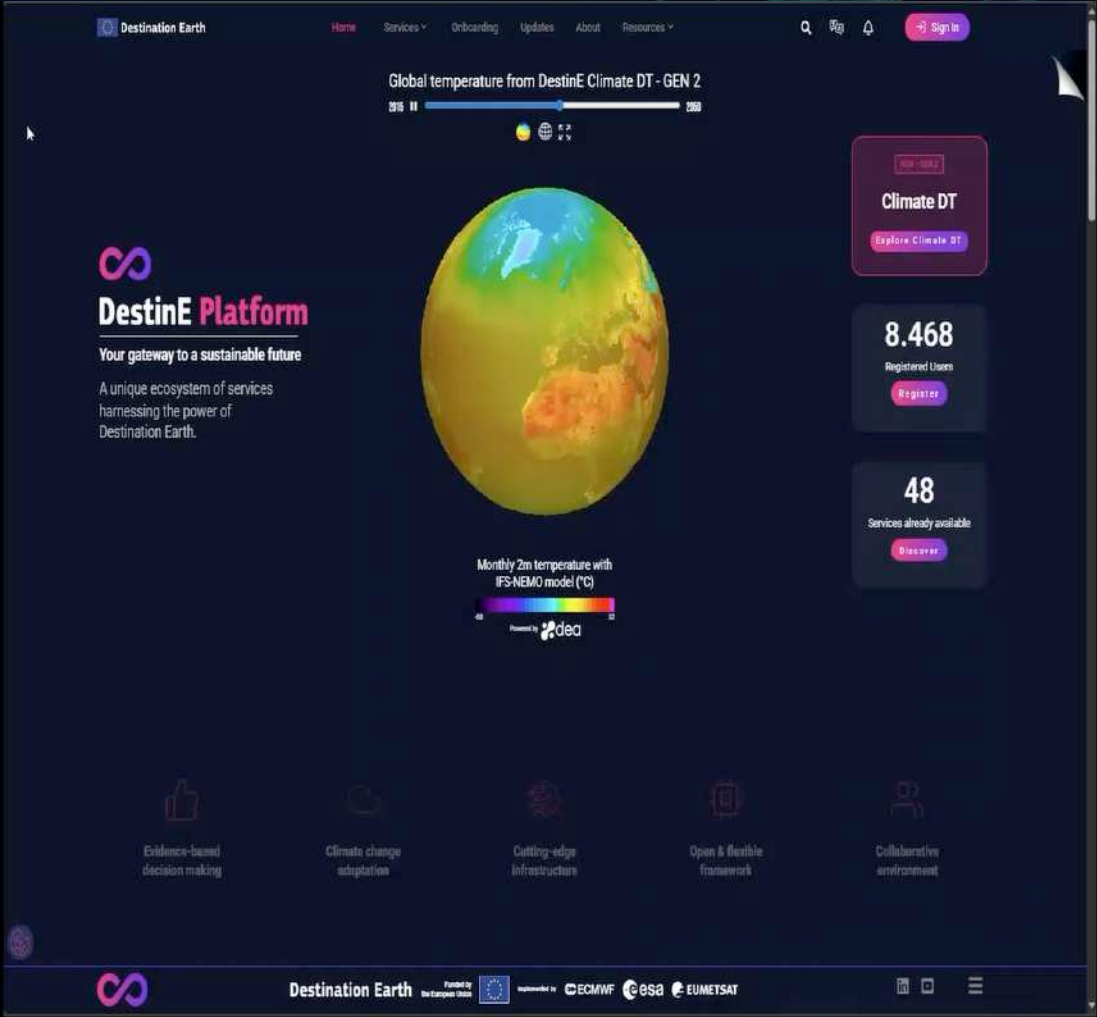
Open & flexible framework



Collaborative environment



# DestinE Platform Journey: from access to operational use



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decision making



Climate change  
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Cutting-edge  
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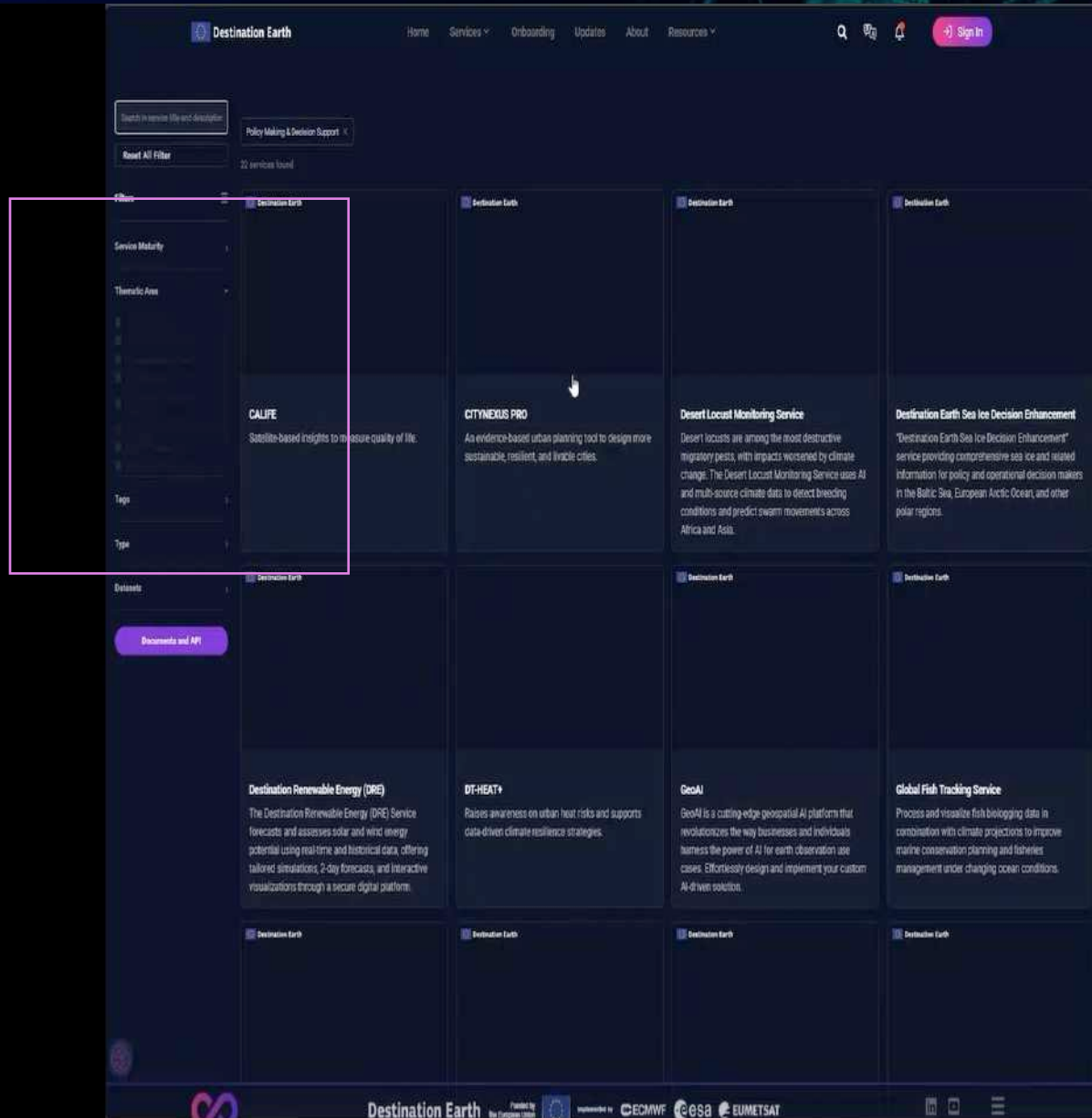
Open & flexible  
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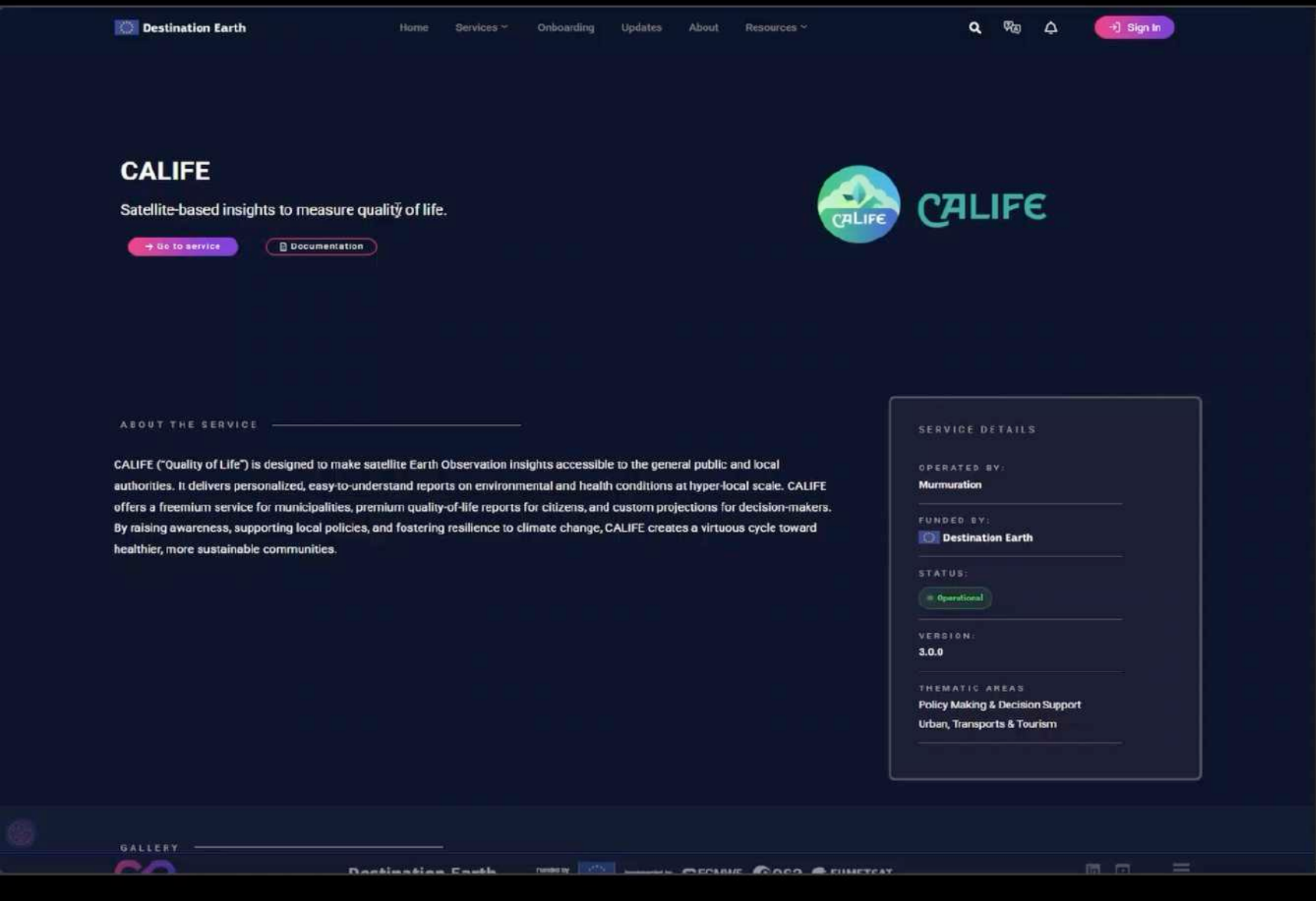


## Ecosystem in numbers

- 8 Thematic areas
- 48 operational services
- 4 beta services



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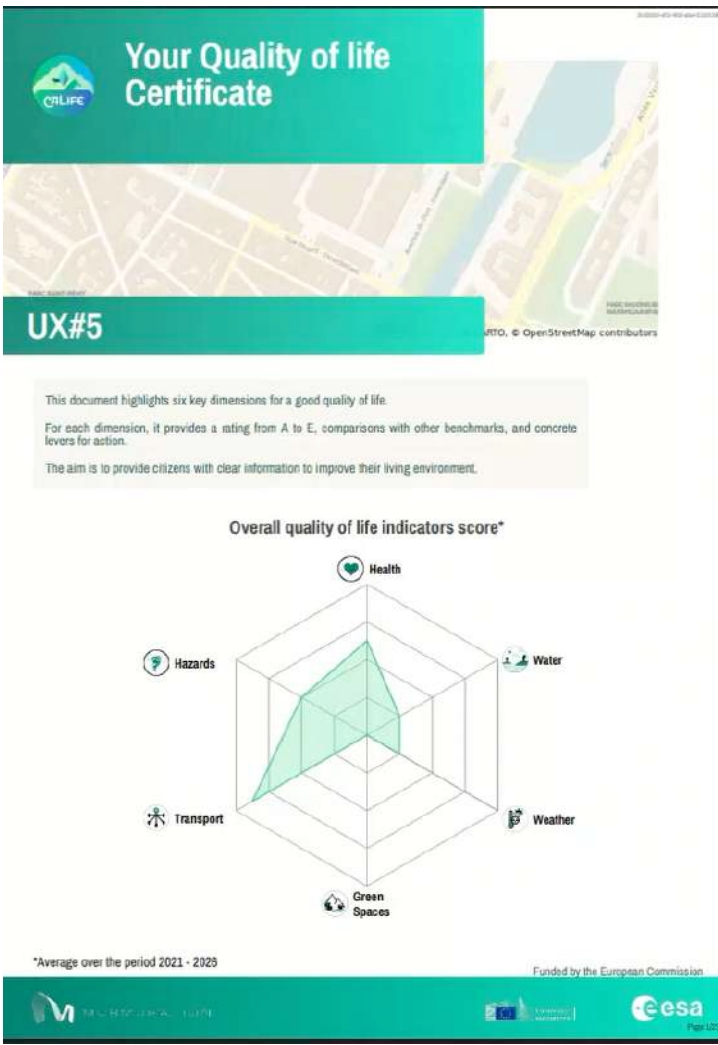
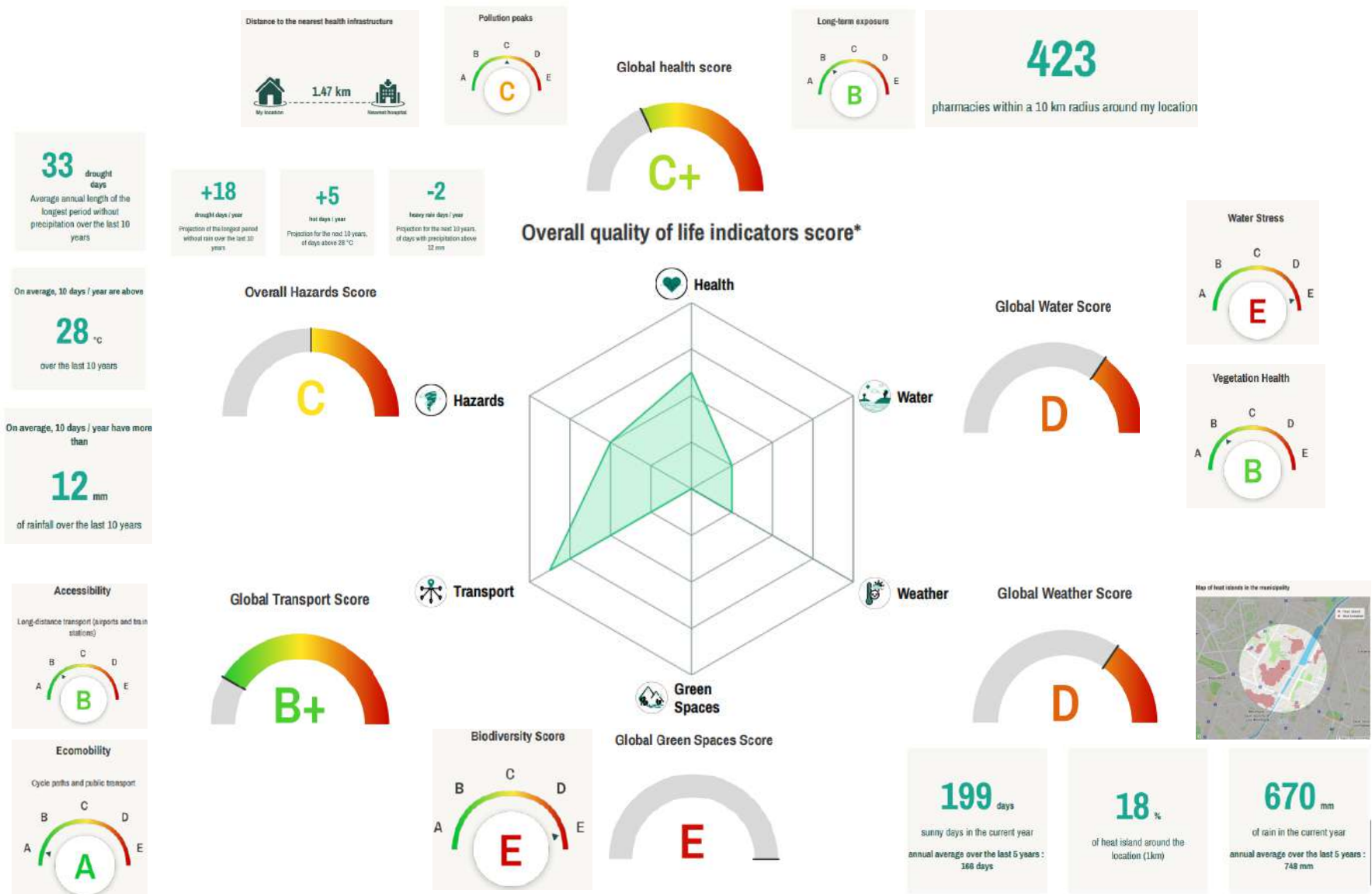


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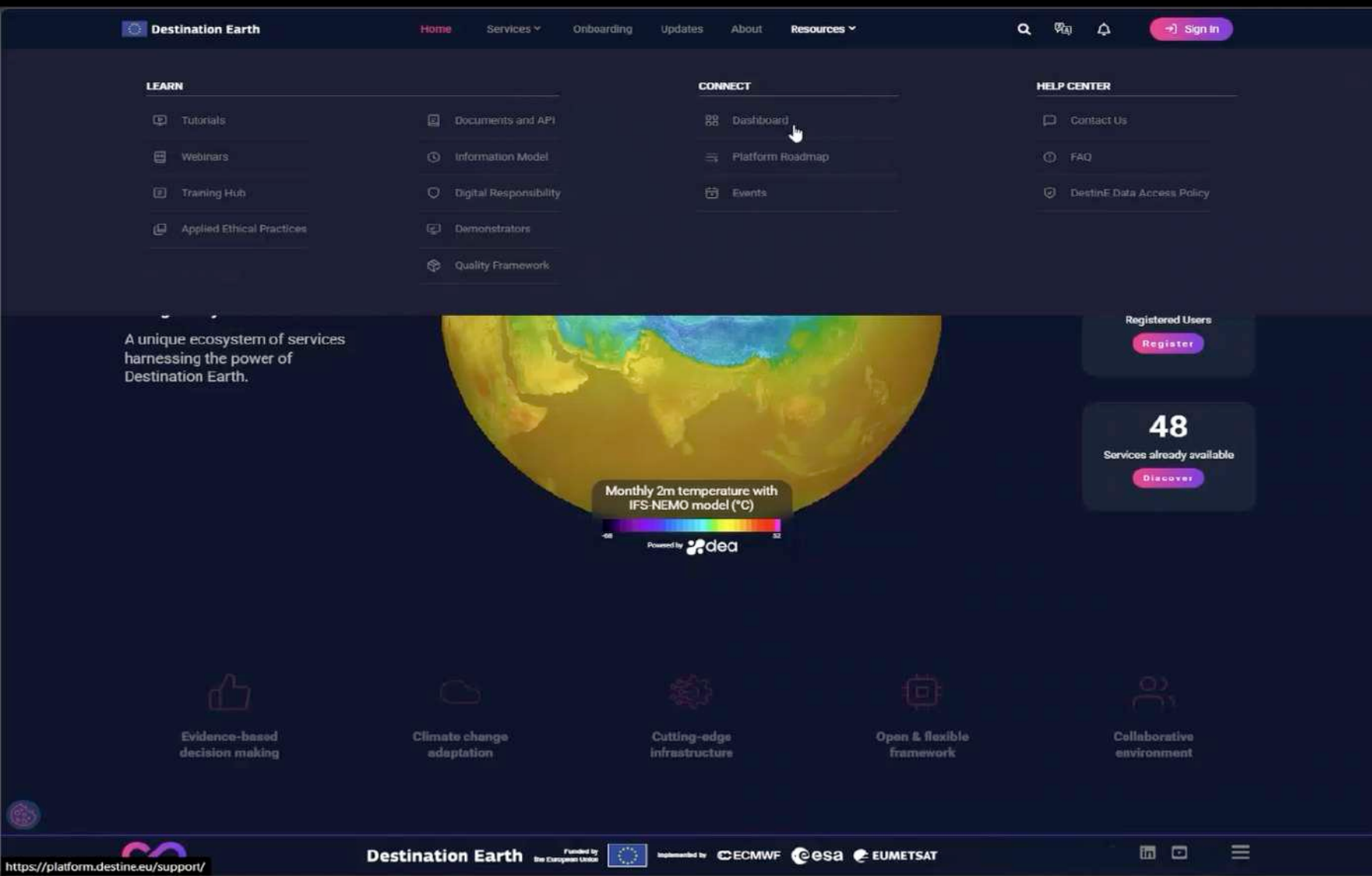
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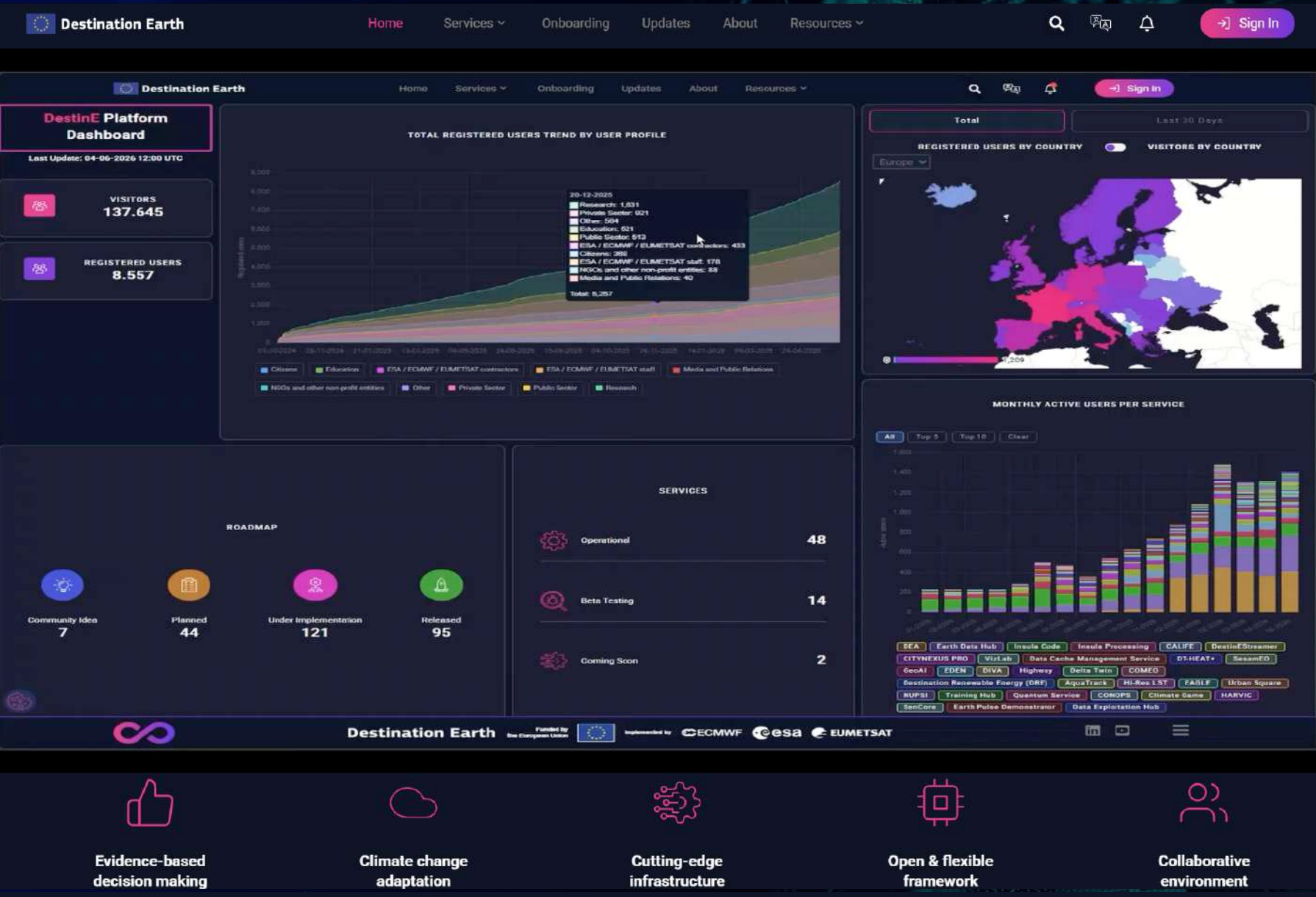
# DestinE Platform Journey: from access to operational use



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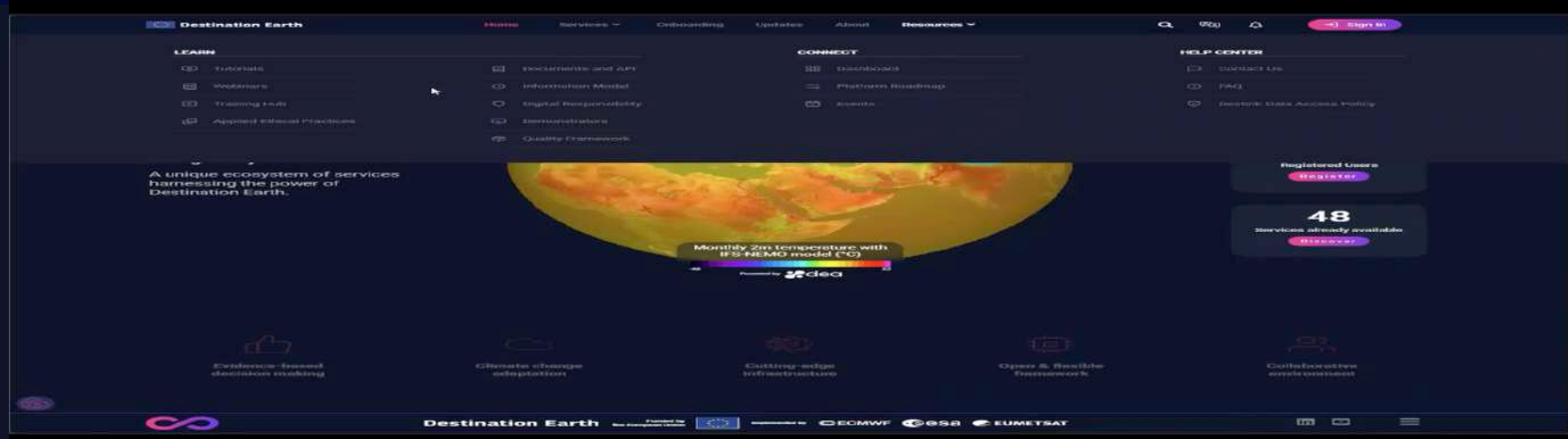
# DestinE Platform Journey: from access to operational use



## Ecosystem in numbers

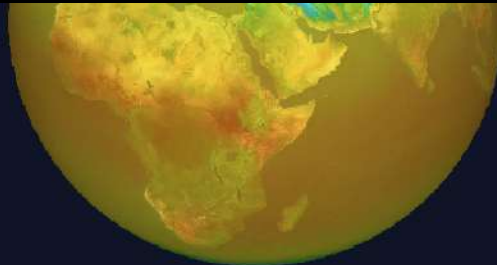
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- 4 beta services
- 137k+ visitors
- 8.5k+ registered users

# DestinE Platform Journey: from access to operational use



## Your gateway to a sustainable future

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



Monthly 2m temperature with IFS-NEMO model (°C)

-66

Powered by dea

52



Evidence-based  
decision making



Climate change  
adaptation



Cutting-edge  
infrastructure



Open & flexible  
framework



Collaborative  
environment

## Ecosystem in numbers

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# DestinE Platform Journey: from access to operational use



Evidence-based  
decision making



Climate change  
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Collaborative  
environment

## Ecosystem in numbers

- **8** Thematic areas
- **48** operational services
- **4** beta services
- **137k+** visitors
- **8.5k+** registered users
- **90+** Tutorials&Webinars



# Turning Digital Twin complexity into guided exploration

 Destination Earth

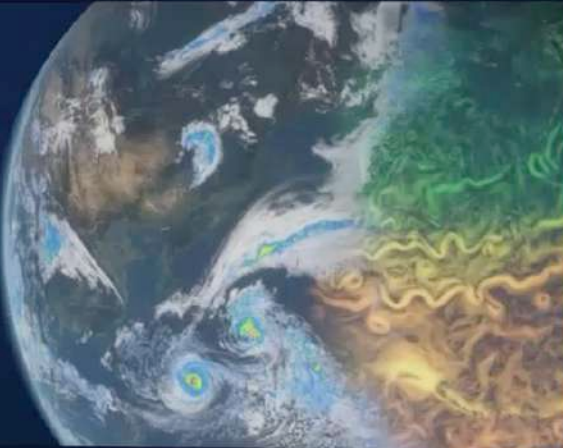
Home Services ▾ Onboarding Updates About Resources ▾  [Sign In](#)

## CLIMATE DT

The Destination Earth Climate Change Adaptation Digital Twin provides high-resolution, globally consistent climate information to support climate adaptation.

A new set of simulations is now available, building on upgraded climate models, and impact-sector applications.

This page guides you step by step through all relevant information, including how to access and use the Digital Twin simulations.



|                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <h3>Global kilometre-scale resolution</h3> <p>Simulations run at 5–10 km resolution in the atmosphere and ocean capturing local extremes, urban heat islands, and fine-scale ocean dynamics to simulate climate change at the local scale.</p> |  <h3>60-year multi-decadal simulations</h3> <p>Continuous simulations from 1990–2049 covering the historical period for model evaluation and future projections for adaptation planning.</p>               |  <h3>Storyline Simulations</h3> <p>Storyline simulations replay weather events from the recent past (2017–2025), for example storms and heatwaves, across past, present-day, and +2°C climates to assess how extreme events can unfold in different climate conditions.</p> |
|  <h3>3 global climate models</h3> <p>ICON, IFS-FESOM, and IFS-NEMO provide a multi-model ensemble, with output harmonized onto a common HEALPix grid for fast and consistent data access.</p>                                                 |  <h3>Impact sector information</h3> <p>Climate model output is transformed directly into actionable climate impact information for sectors including renewable energy, hydrology, and wildfire risk.</p> |  <h3>Model evaluation</h3> <p>Simulations are continuously evaluated using the AQUA framework, through comparison with observations, reanalysis and existing climate simulations.</p>                                                                                     |

Guiding users exploring the  
**Climate Digital Twin**

Multi-decadal climate  
simulations

**Storyline** simulations

Access and visualisation

Storyline viewer for **non-expert users**

# An open ecosystem where services can grow

**The Platform onboarding support** assists service providers that want to join the services ecosystem

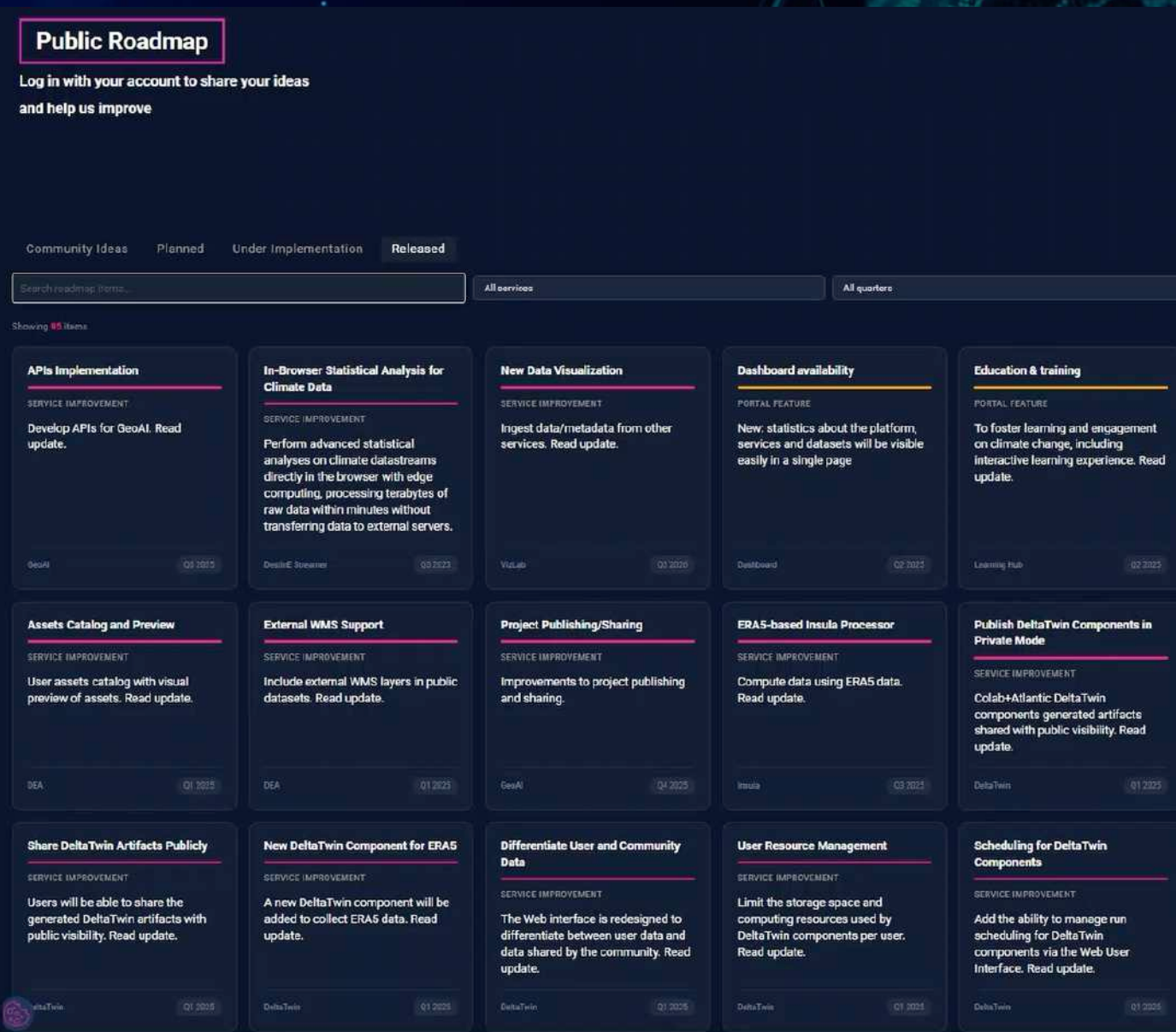
**ESA's Digital Twin Earth Programme (ESA DTE)** contributes to the DestinE services ecosystem

Digital Twin data analysis for **non-expert users**

Support **regional and local decision-making**

**Earth Observation-based Digital Twin Components** are developed under the ESA DTE programme

# From feedback to roadmap: engaging users to shape the Platform



Collect **user needs** via community ideas organised in a public roadmap of all evolution activities:

- ✓ 95 released
- ✓ 121 Under implementation
- ✓ 44 Planned

Translate feedback into **actions**

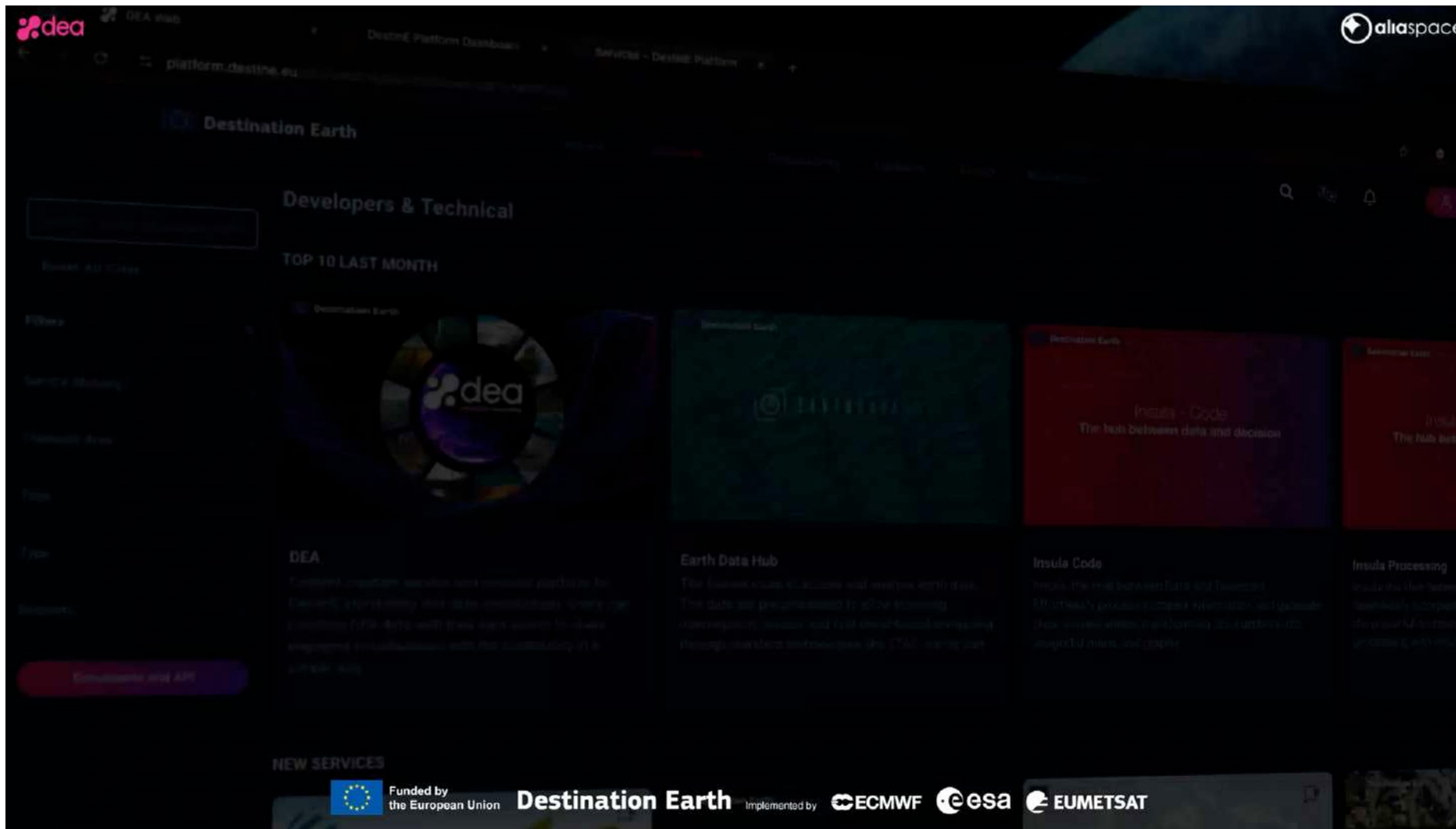
Strengthen **uptake and trust**

**Engage users** via dedicated stakeholder engagement activities

**Co-design Assistant** to facilitate the identification of actionable solutions that address specific needs while supporting long-term sustainability and adaptability



# DestinE User Stories powered by AI



- Connect data and services
- Ask in natural language
- Visualise Data
- Analyse with AI support
- Create user stories
- Share insights with non-experts



PLATFORM.DESTINE.EU

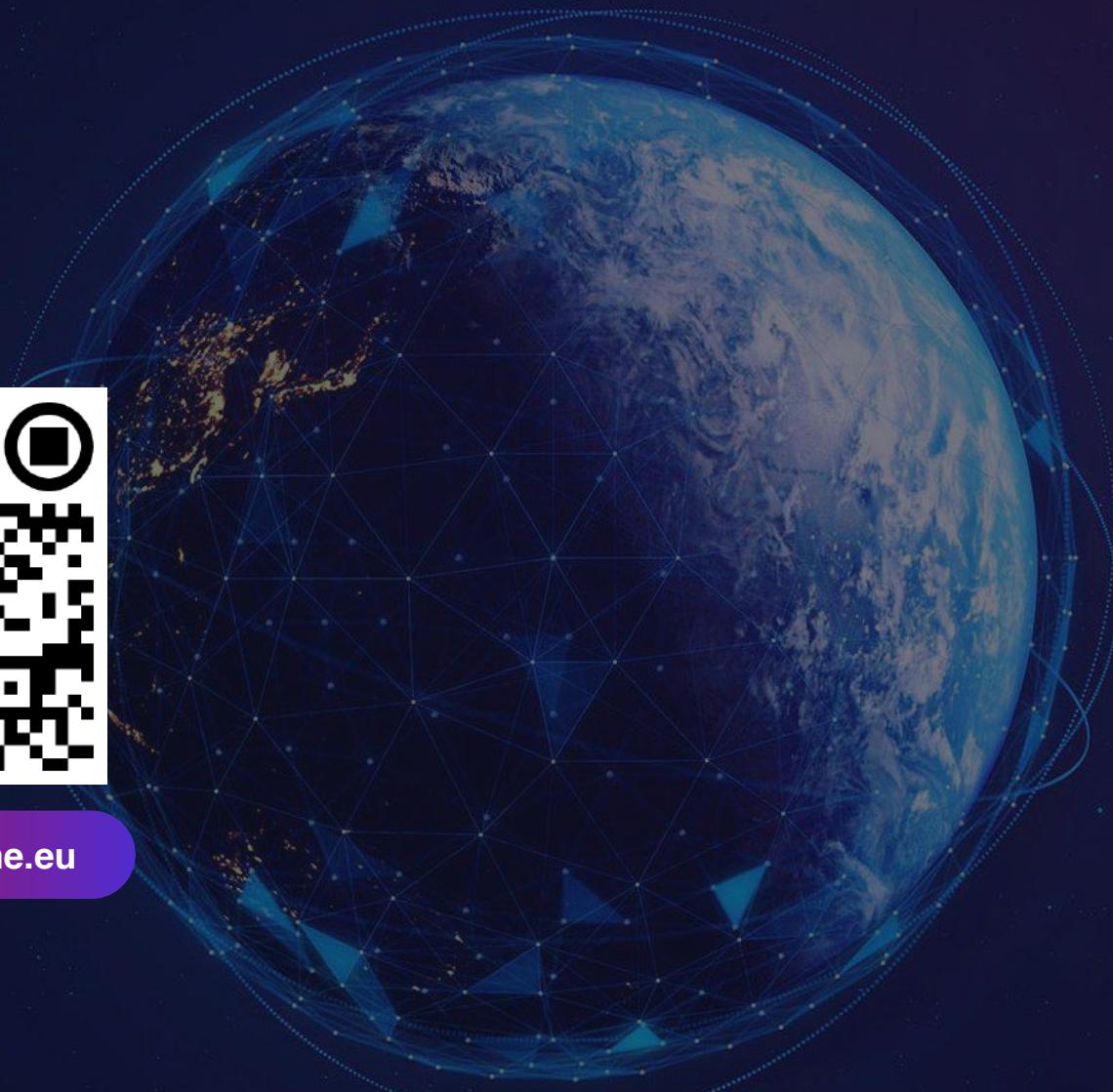
# THANK YOU!

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[platform.destine.eu](https://platform.destine.eu)



**Destination Earth**

Funded by  
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