DestinE Platform

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Accelerating Climate Innovation through Machine Learning and Advanced Digital Twin Services

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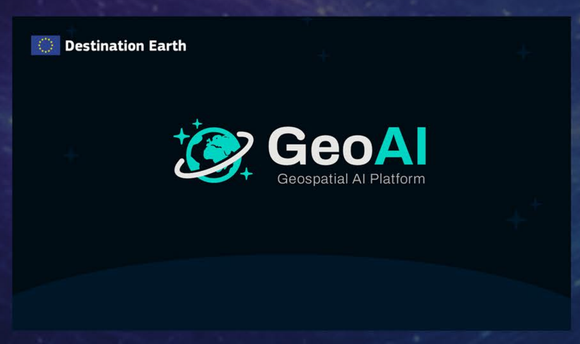
The DestinE Platform is a key component of the Destination Earth initiative and the unified entry point to DestinE data and services. It provides a scalable, interoperable, cloud-based environment for accessing, visualising, and processing Earth system data, including Digital Twin simulations focused on weather-induced extremes and climate change adaptation.

The DestinE Platform unlocks a new era of climate intelligence, combining advanced Earth system modelling with cutting-edge AI to deliver precise, actionable insights at scale.

SERVICES ON THE PLATFORM BUILT ON AI



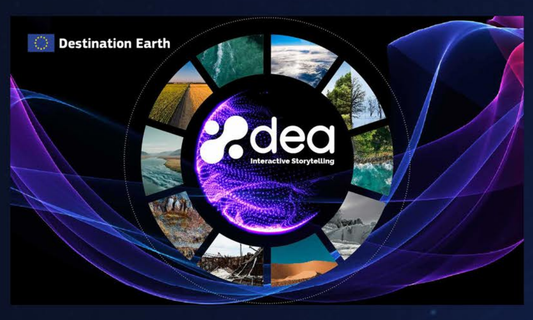
GeoAI, implemented by FlyPix AI, is a cutting-edge geospatial AI platform that revolutionises the way businesses and individuals harness the power of AI for Earth observation use cases. It allows users to design and implement their custom AI-driven solution.

GeoAI is now integrated into **DestinEStreamer** (operated by GeoVille), providing users with the ability to directly apply **trained GeoAI models** to Sentinel-2 data for advanced exploration, analysis, and insight extraction through a single, streamlined workflow.

EAGLE, implemented by Neuralio AI, is a geospatial AI service designed with a responsive, user-friendly interface to facilitate Earth observation data processing and analysis. It streamlines the entire process, from project setup and data annotation to model configuration and running inferences, all within a unified interface

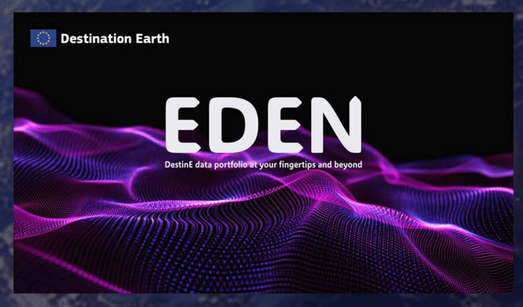
- Enabling users to upload EO datasets, leverage **pre-trained AI models**, and create new object detection workflows within an intuitive, no-code environment
- Supporting annotation through an integrated tool offering various annotation types and class-based tagging

INTEGRATION OF AI FEATURES IN EXISTING SERVICES



DEA, implemented by Alia Space Systems, is a content creation platform that allows users to create interactive data stories without writing a line of code, facilitating the accessibility of climate, earth observation, and statistical data to non-expert users.

The **DEA AI Assistant** lets users create sample stories using natural language directly from the DEA landing page after signing in.
Users can interact via suggested prompts, typed text, or voice input to submit requests.



EDEN, implemented by MEEO, is the place to discover and access Earth's Digital Twins to monitor the effects of natural and human activity on our planet, anticipate extreme events and adapt policies to climate-related challenges.

GOME-2 data in cloud-native format is provided at native resolution and super-resolved using advanced deep learning techniques. The super-resolved products are trained with concurrent high-resolution observations from TROPOMI (Sentinel-5P), improving spatial resolution from 40 × 80 km² to 3.5 × 7 km².

Explore more services on the DestinE Platform and contact us for support

Destination Earth
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