From research to results – EvoLand concludes its three-year journey in land monitoring innovation with an open invitation to all

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An intense and productive three-year journey of the Horizon Europe project **EvoLand is coming to an end in December 2025**. Since its start in January 2023, eleven European partners have collaborated closely to **advance innovative methods and apply them to candidate prototypes** supporting the **evolution of the Copernicus Land Monitoring Service (CLMS)**.

In October 2025, EvoLand launched its **Results Portal**, where the public can explore all twelve prototypes and their achievements. To mark its conclusion, the consortium now warmly invites the land monitoring community, Copernicus Browser users, and all interested parties to a **final webinar on 4 December from 14.30 to 15.30 CET**, where the main outcomes and their contribution to the future of CLMS will be presented.

Join the EvoLand final webinar

The **final webinar will showcase EvoLand's key results**, provide a live demonstration of the Results Portal, and offer an in-depth look at four selected prototypes representing different thematic domains – FOREST, WATER, GENERAL LAND COVER and URBAN – illustrating the variety and applicability of EvoLand's work. Registration for the webinar is now open – sign up **here**.

This event aims to gather participants' feedback, capture user perspectives, and explore which EvoLand innovations hold the greatest promise for future land monitoring developments and real-world applications.

The webinar continues EvoLand's long-standing active stakeholder engagement, pursued throughout the project via targeted meetings, participation at key European events, and numerous scientific publications sharing its findings. A major outcome of close collaboration with the Entrusted Entities responsible for CLMS has been the addition of a twelfth prototype – C12 **Tree type mapping**, complementing the project's FOREST portfolio.

Open-source, available, and accessible – explore EvoLand's results today

An open and collaborative approach has been at the heart of EvoLand since its conception. The project has ensured that its data, tools, and methods remain transparent, reusable, and interoperable. **All twelve prototypes can be explored through the EvoLand Results Portal**, hosted within the **Copernicus Data Space Ecosystem**, offering free access for anyone interested.

A dedicated **GitHub repository** makes scientific and technical assets of the project openly available. EvoLand builds upon platforms like **openEO** and adopts open standards like **STAC** (*SpatioTemporal Asset Catalog*) to ensure interoperability and long-term accessibility of its

outputs. A series of articles have been published on the project's website to inform the public about the latest advancements in the developed methods.

Assessing the operational roll-out of candidate prototypes

As EvoLand approaches completion, the consortium continues to evaluate the **operationalisation potential** of the developed prototypes, analysing service roll-out scenarios and prototype maturity. A rigorous set of criteria is applied, including innovation level, user relevance, automation, and timeliness. The assessments also include mapping the Technology Readiness Level (TRL) for each prototype and discussing concrete use cases.

Dr Wai-Tim Ng, EvoLand Project Coordinator, explains:
"EvoLand demonstrates how Europe's collective expertise can transform innovation into real-world impact, setting new standards for the future of land monitoring and environmental intelligence."

About EvoLand

Launched in January 2023, EvoLand is a three-year Horizon Europe project which develops and tests new and innovative methods, algorithms and twelve candidate Copernicus Land Monitoring Service prototypes. This is done by integrating novel EO and in-situ data with latest Machine Learning techniques to continuously monitor the status, dynamics and biomass of the land surface. The project focuses on five key thematic domains – agriculture, forest, water, urban and general land cover. Coordinated by VITO (Belgium), EvoLand brings together a unique consortium of 11 partners from 5 European countries: CESBIO (France), CLS (France), CNES (France), DLR (Germany), Evenflow (Belgium), GAF AG (Germany), IIASA (Austria), Joanneum Research (Austria), Sinergise (Slovenia) and University of Toulouse – Paul Sabatier (UT3) (France).

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