

SYLVAN-AI

Where Artificial Intelligence Meets Sustainable Forestry

Transforming complex geospatial data into clear, actionable insights for Europe's forests and rural landscapes.

From Data Complexity to Natural Conversation

Europe's forests generate vast amounts of information, from satellite imagery and land-use records to biodiversity maps and protected-area datasets. Yet accessing meaningful insights often requires specialist GIS expertise and significant time investment.

SYLVAN-AI, developed by **Sylvanity B.V. (Netherlands)**, was created to change that reality. Building upon cutting-edge GeoAI technologies and the conversational capabilities of the **JackDaw** geospatial AI agent, SYLVAN-AI enables users to interact with complex spatial information through simple, natural-language questions.

The innovation recently received significant European recognition through its selection in the **PoliRuralPlus Enhance Call**, supporting the validation of JackDaw across diverse European regions and demonstrating the potential of AI-powered decision support for sustainable rural development.

WHO IS IT FOR?

Designed for Decision-Makers in Forestry & Land Management

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Forest Owners: Quickly understand land conditions, opportunities, restrictions, and management scenarios.
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Spatial & Rural Planners: Access integrated environmental intelligence without navigating multiple GIS systems.
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Environmental NGOs: Explore biodiversity, conservation areas, ecological risks, and restoration opportunities.
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Public Authorities & Regional Agencies: Support evidence-based policy and sustainable land-use planning with accessible geospatial insights.





THE CORE SOLUTION

The Chat-Enabled Forest Manager

Imagine asking:

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"Which protected habitats overlap with my forest parcels?"
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"What environmental restrictions apply to this area?"
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"Which locations offer the best opportunities for restoration?"

Instead of searching through multiple GIS platforms and datasets, users ask questions in plain language.

The SYLVAN-AI Dashboard combines satellite observations, cadastral information, environmental layers, and protected-area datasets into a single conversational interface powered by advanced GeoAI technology.

 <p>Significant reduction in time-to-insight</p>	 <p>Easier access to advanced geo AI</p>	 <p>Improved transparency and understanding</p>	 <p>Transferable Roadmap for Europe</p>
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Why SYLVAN-AI?

- ✓ **Ask Questions Naturally:** No specialist GIS knowledge required, simply chat with your data.
- ✓ **Integrated Spatial Intelligence:** Combine satellite imagery, cadastral records, environmental datasets, and protected-area information in one place.
- ✓ **Accelerated Decision-Making:** Move from data discovery to actionable insight in minutes rather than days.
- ✓ **Scalable Across Europe:** Built to support diverse forestry and rural management contexts through a replicable European framework.



EXPERIENCE THE FUTURE OF FORESTRY INTELLIGENCE

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