

SYMBIOSIS Project: Pioneering Integration of Biodiversity in Infrastructure Development Across Europe

The “**Systemic Mobilisation for Joint Biodiversity and Infrastructure**” (SYMBIOSIS) is a Horizon Europe project (September 2024 - August 2027) aiming to bridge the potential gap and marking a transformative step towards harmonising biodiversity with infrastructure development. With the support of the European Union and led by UIC, SYMBIOSIS unites 22 partners from 13 countries in a shared vision of sustainable growth that benefits both people and nature.



A Shared Commitment to Resilience and Responsibility

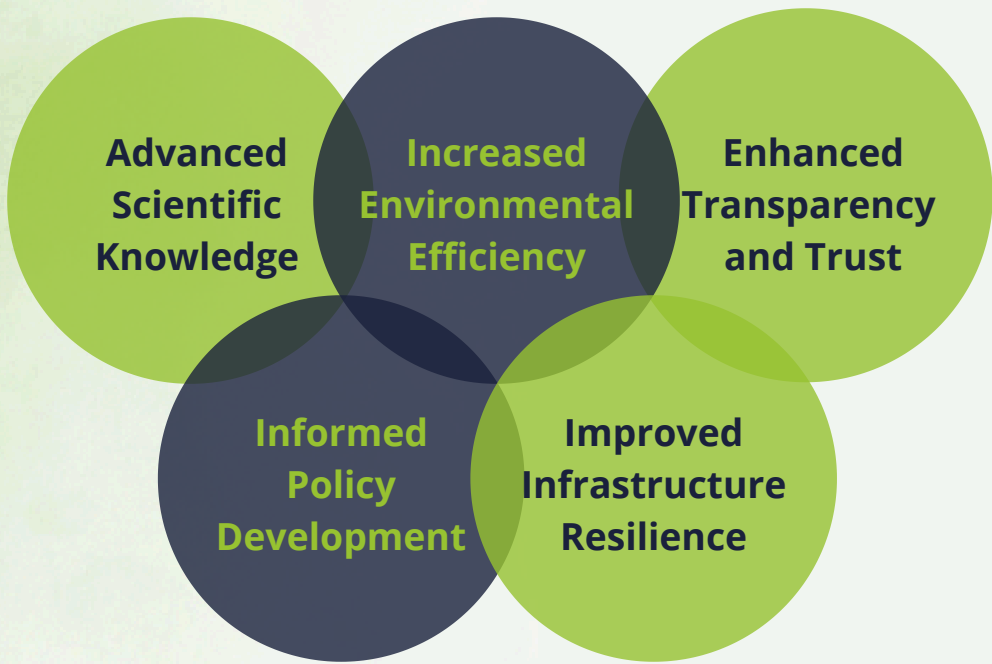
SYMBIOSIS is more than a project—it’s a call to action. Rooted in the principles of the European Green Deal and the UN’s vision for responsible land use, it seeks to create a world where transport and energy infrastructure coexist with flourishing biodiversity. By bringing together stakeholders from railway, road, energy, policymakers, and biodiversity experts, SYMBIOSIS fosters collaboration to address the pressing challenges of climate change and ecosystem loss.



Building on Momentum, Driving Transformation

SYMBIOSIS builds on the groundwork laid by initiatives like the EU-funded BISON project, expanding on their achievements with innovative tools and methodologies for linear infrastructure development. Through its commitment to digitalisation, standardisation, and strengthening evidence-based decision making, SYMBIOSIS is setting a new benchmark for sustainable infrastructure that serves both society and the environment. The collaborative approach will accelerate action, seamlessly integrating diverse stakeholders within the CSA framework and the Europe’s Rail Joint Undertaking Master Plan.

Impacts of SYMBIOSIS Project



What SYMBIOSIS Aims to Achieve

At its heart, **SYMBIOSIS** is about making a tangible difference. The project focuses on three key areas:

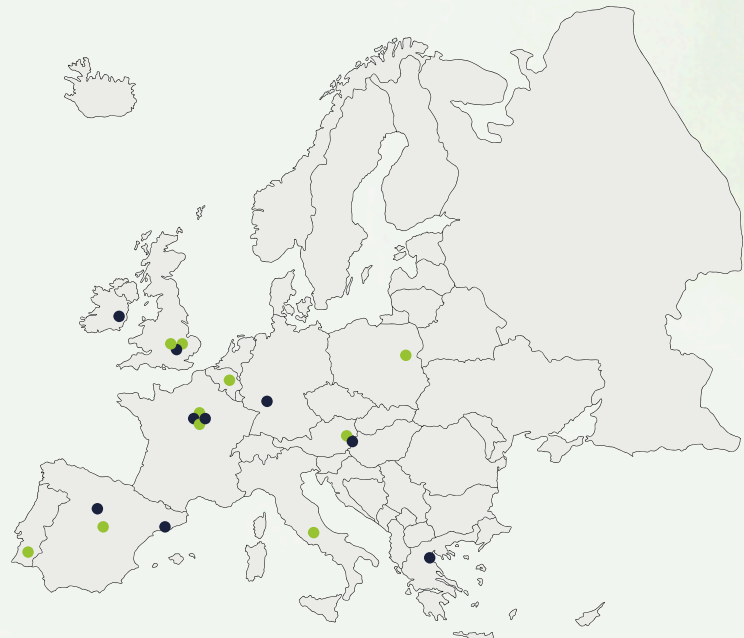
- **Underline Key Enablers** – Set out the key enabling environment that will mainstream and accelerate action for biodiversity consideration in infrastructure development and decision making, focusing on transport policies, the Environmental Impact Assessment procedures, the Corporate Sustainability Reporting Directive and financing and procurement processes.
- **Deliver Practical Tools** – To develop a comprehensive set of sustainable land management tools that will aim to enrich biodiversity while making infrastructure more resilient, cost-effective, reliable, safe and carbon negative.
- **Convene communities of practice** – To convene rail operators and key entities responsible for biodiversity monitoring throughout Europe to establish an inclusive framework applicable to transport infrastructure beyond railways and the broader landscape, to harmonise and standardise the collection, curation, analysis, reporting and integration of high-quality and high-reliability biodiversity data.



SYMBIOSIS in a Nutshell

SYMBIOSIS is an **Horizon Europe project (2024-2027)** dedicated to integrating biodiversity into infrastructure development across Europe. Supported by the European Union and led by UIC, it unites experts from transport, energy, and environmental sectors to develop tools, policies, and methodologies that enhance biodiversity, resilience, and sustainability. By leveraging digitalisation, standardisation, and evidence-based decision-making, **SYMBIOSIS** sets new benchmarks for responsible infrastructure. Through collaboration and innovation, it paves the way for a future where progress and nature coexist in harmony.

Partners



www.symbiosis-transport.eu

The project is supported by the Europe's Rail Joint Undertaking and its members.



Grant Agreement No 101177281.
Funded by the European Union. Views and opinions expressed are, however, those of the author(s) only and do not necessarily reflect those of the European Union or Europe's Rail Joint Undertaking. Neither the European Union nor the granting authority can be held responsible for them.



SYMBIOSIS



SYstemic Mobilisation for Joint Biodiversity and Infrastructure