

SYMBIOSIS

Communication, Dissemination & Exploitation Plan

Deliverable 2.1

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CONSORTIUM – LIST OF PARTNERS

Partner no.	Short name	Name	Country
1	UIC	UNION INTERNATIONALE DES CHEMINS DE FER	FRANCE
2	FEHRL	FORUM DES LABORATOIRES NATIONAUX EUROPEENS DE RECHERCHE ROUTIERE FEHRLAISBL	BELGIUM
3	UPM	UNIVERSIDAD POLITECNICA DE MADRID	SPAIN
4	CERTH	ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	GREECE
5	PGE-ENERGETYKA	PGE ENERGETYKA KOLEJOWA SPOLKA AKCYJNA	POLAND
6	MINUARTIA	MINUARTIA ESTUDIS AMBIENTALS SL	SPAIN
7	ITALFERR	ITALFERR SPA	ITALY
8	SLU	SVERIGES LANTBRUKSUNIVERSITET	SWEDEN
9	FFE	FUNDACION DE LOS FERROCARRILES ESPANOLAS	SPAIN
10	CENTRALESUPELEC	CENTRALESUPELEC	FRANCE
11	FC.ID	FCIENCIAS.ID - ASSOCIACAO PARA A INVESTIGACAO E DESENVOLVIMENTO DE CIENCIAS	PORTUGAL
12	SNCF	SOCIETE NATIONALE SNCF	FRANCE
13	SNCF-RESEAU	SNCF RESEAU	FRANCE
14	KONNEKTABLE	KONNEKT ABLE TECHNOLOGIES LIMITED	IRELAND
15	H&Z	HZ UNTERNEHMENSBERATUNG AG	GERMANY
16	RPS	OCHRANA DRACOV NA SLOVENSKU ZDRUZENIE	SLOVAKIA
17	IFEU	FEU - INSTITUT FUR ENERGIE- UND UMWELTFORSCHUNG HEIDELBERG GGMBH	GERMANY
18	UKCEH	UK CENTRE FOR ECOLOGY & HYDROLOGY	UNITED KINGDOM



19	ICSI	INTERNATIONAL COALITION FOR SUSTAINABLE INFRASTRUCTURE	UNITED KINGDOM
20	UNIVLEEDS	UNIVERSITY OF LEEDS	UNITED KINGDOM
21	NETWORK RAIL	NETWORK RAIL INFRASTRUCTURE LIMITED	UNITED KINGDOM



EXECUTIVE SUMMARY

This document provides a description of the SYMBIOSIS Communication, Dissemination and Exploitation Plan (CDEP). The aim of this plan is to provide a communication, dissemination and exploitation strategy for the SYMBIOSIS project and to describe the materials that will be used to raise awareness and disseminate the results as well as to evaluate and monitor the dissemination activities.

The plan will be updated in M36 (D2.4 - Communication, dissemination & exploitation report).

In the first 6 months of the project, the project was disseminated at various meetings including

- IENE International Conference, 9 – 13 Sep 2024, Prague (Session title: Harmonising Infrastructure and Biodiversity: The EU-funded SYMBIOSIS Initiative).
- Scandinavian Association for Pollination Ecology annual meeting in Norway, 10 - 13 October 2024.
- EU-Rail IAM4RAIL (online) Mid-Term Conference on 26 November 2024. Session title: Environmentally Friendly Asset Production & Maintenance Support Technologies.



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1. INTRODUCTION

1.1 PURPOSE AND STRUCTURE OF THE DOCUMENT

The objectives of the current document, D2.1 - Communication, Dissemination & Exploitation Plan are as follows:

- To present the communication, dissemination and exploitation strategy for the SYMBIOSIS project, developed by the consortium, as a whole.
- To present a comprehensive summary of the SYMBIOSIS dissemination brand identity and material (logo, website, templates, leaflet and poster).

This deliverable encompasses the following structure:

Chapter 1 introduces the overall purpose of the document, the intended audience and interrelations with other activities of the project.

Chapter 2 presents the objectives of the dissemination, exploitation and policies WP and the measures planned to maximise the impact of the results of the project.

Chapter 3 presents the list of target audiences as well as the stakeholder forum and the Advisory Board that is being created.

Chapter 4 provides the branding that will be performed by publishing key messages about its identity (vision, mission, values, strategy, methodology, expected outcomes & impacts), and developing a visual identity package including a logo, a website, graphics, templates etc.

Chapter 5 presents the communication and dissemination tools that will be used for raising awareness and presenting the project results to the target audiences.

Chapter 6 provides an overview of the exploitation activities planned in the course of the project.

Chapter 7 presents the dissemination procedures for performed dissemination activities.

Chapter 8 presents the acknowledgement of EU funding which includes visibility (European flag and funding statement) and quality of information – disclaimer.

Chapter 9 presents the general overview of SYMBIOSIS results and measures to reach stakeholders.

Chapter 10 presents the mechanisms for evaluation and monitoring of dissemination activities.

Chapter 11 are the Conclusions.



1.2 INTENDED AUDIENCE

The main target group for this Deliverable is the consortium partners themselves and as this document defines the strategy and mechanisms that will be used to disseminate the results of the project. Apart from that, it is a public document, it addresses anyone interested in the dissemination and communication activities of the SYMBIOSIS project.

1.3 INTERRELATIONS

The current Deliverable is related to the whole project as it is crosscutting to all project activities.



2. OBJECTIVES

The objectives of WP2 (Communication, dissemination & exploitation) of which the communication, dissemination and exploitation plan is part of are as follows:

- Develop a robust communication strategy to effectively disseminate project outcomes.
- Formulate an exploitation plan to mobilise the infrastructure and ecology communities, fostering collaboration and transferring best practices.
- Facilitate collaboration with existing projects and recommend enhancing the existing knowledge hub to consolidate project information.
- Ensure the use of existing knowledge, glossary, handbook to enhance understanding.
- Establish an advisory group to maximise the project's impact and outreach.

Work Package 2 (WP2) aims to address rising challenges related to biodiversity and infrastructure by ensuring both external and internal communication. It will communicate key concepts and expected outcomes of the project and foster effective communication among partners across all WPs and with the Advisory Group.

The communication and knowledge hub activities will:

- Ensure that the project's objectives and progress are widely disseminated.
- Generate awareness and commitment among stakeholders about the key objectives of the project.
- Facilitate the uptake of mainstreaming solutions developed within the framework of the CSA.

The exploitation activities will:

- Mobilise the infrastructure and ecology communities to work together.
- Ensure effective networking and transfer of good practices.
- Encourage long-lasting collaboration so that the outcomes extend beyond the life of the project.
- Provide the capacities to the key actors to adopt the best practices and developed tools autonomously.

3. TARGET AUDIENCES

3.1 STAKEHOLDER FORUM

The impact of the project relies on the Consortium's ability and experience in setting up an effective approach to engage with a wide range of stakeholders. The project will build a multidimensional stakeholder group to engage and use as the main target audience in the project.

This will include:

- Transport infrastructure managers and operators (in particular railways, road, energy transmission, production, and distribution). By cultivating synergies, identifying common



research and innovation needs, and sharing best practices, it will be possible for them to prevent and mitigate impacts on biodiversity and achieve resilience of their infrastructure networks and operations to climate change.

- Policymakers and Regulators at national, European, and international level. They will benefit from improved policies and decision-making processes influenced by the project outcomes, as well as by better horizontal, transversal, and holistic knowledge on biodiversity and transport synergies.
- International organisations and programmes (UN Environment Programme (UNEP), Infrastructure & Ecology Network Europe (IENE) including Safer Railways for Wildlife Working group, ERJU, ERRAC, CER, EIM), research centres, and NGOs, with the aim of fostering a sustained commitment that extends well beyond the project's timeline, possibly creating new opportunities for further research and joint activities and promoting best practices locally.
- International finance and development organisations including the International Bank for Reconstruction and Development (IBRD), European investment bank (EIB) and the multilateral development banks (MDBs such as African development Bank and World Bank), and other financing agencies (e.g. Biodiversa+, Global Infrastructure Basel (GIB) Foundation).

Other stakeholders implementing measures to enable the necessary transformative change for biodiversity preservation (e.g., mitigate impacts on wildlife mortality, introducing NbS, etc.) and climate change adaptation.

General Public: the project's focus on environmental sustainability and engagement activities will raise awareness among the public, contributing to a more environmentally conscious society and public health.

A stakeholder participation framework will be built so that the project can communicate, share knowledge and seek feedback from the stakeholder group. The plan, to be presented to the project consortium, will involve identifying synergies, sharing knowledge, and creating tools to enhance joint efforts to achieve objectives of the project. The aim of the framework will be (amongst others):

- To evaluate the intermediate and results of the project deliverables.
- To share the stakeholders' vision and comments during dedicated workshops and activities. This will help to identify emerging issues that need to be addressed and gaps to be clarified inside each WP.
- Bring their knowledge and insight throughout the project through other work packages. Text
- Disseminate the results of the project in their network (in collaboration with the communication and dissemination activities).
- The work scheme for stakeholder engagement is presented in the Figure below.

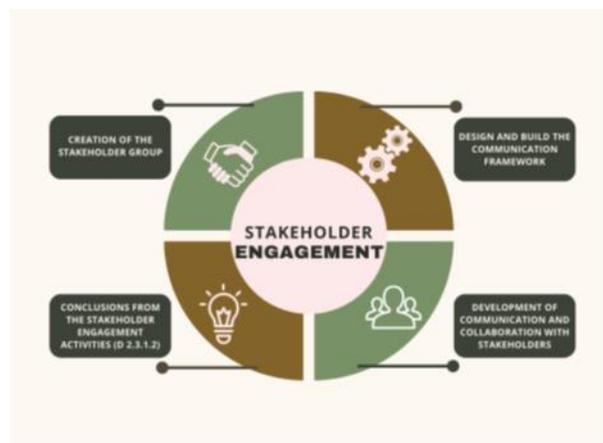


Figure 1: SYMBIOSIS stakeholder engagement plan

The Stakeholder forum will be built according to the needs of the SYMBIOSIS project’s relation with stakeholders, and will include institutional, strategic and technical support. To include all the perspectives and approaches, the Stakeholder forum has been divided into two groups:

- Advisory Board
- Technical Stakeholder Group (TSG)

3.2 ADVISORY BOARD

The Advisory Board of SYMBIOSIS project will implement a strategic and institutional oversight that will ensure alignment with broader European rail and biodiversity objectives and policies and maintain a high-level focus on the project’s activities and deliverables. The Board members will be selected to ensure that SYMBIOSIS’s output contribute substantially to the transformation of the European rail industry towards a more integrated relation between infrastructure and biodiversity.

The Advisory Board composition should be representative of sectors, geographical regions, genders, to give comprehensive, institutional, strategic and inclusive guidance. An appropriately balanced board would consist of 8 to 12 members to sustain the requisite diversity of expertise while preserving efficacy in its decision-making processes.

The Advisory Board (AB) of the SYMBIOSIS project will be established as an independent body to provide the most strategic and expert judgments, and institutional evaluations. Its responsibilities will include:

- Deliverable Review: The AB will systematically review all major project deliverables, including technical reports, models, and frameworks. Members will provide input to make



sure that such deliverables are of high technical quality and compatible with EU policies and priorities.

- Activity in events: It is expected that AB members will attend all scheduled general meetings (M7-M18-M36), either in person or via virtual interaction, to ensure active engagement. Periodic on-line AB meetings will also be organized annually to ensure interaction, updates and knowledge sharing. Additional ad hoc consultations and meetings can be held if the case is needed to leverage the board's expertise pertaining to specific issues.
- Institutional and policy supervision and guidance: The AB will review project results from an institutional perspective, ensuring that activities and results are aligned with EU policies and strategies from the different sectors that are being affected by SYMBIOSIS. Due to the nature of the project, alignment with ERJU's strategic documents and perspective will be of importance. Also, high-level strategic advice that will align the project with broader objectives, such as sustainability, digitalization, and interoperability of the European rail network; this will ensure that the project outputs will have an impact in both technical and policy areas.
- Evaluation and Recommendations: The AB will review the progress of the project in relation to its objectives and the institutional and strategic framework affected by the Symbiosis project and make recommendations for any adjustments to increase effectiveness and relevance to the future European rail priorities.

The first list of 15 members was finally agreed and invitations were sent to finally build up the Advisory Board. Invitations have been sent, and the first affirmative responses are coming in. The final list will be agreed once all the responses are gathered. The final list of entities:

Table 1. List of Advisory Board profiles selected

Number (N)	Profile
1	IENE Member 1
2	IENE Member 2
3	Infrastructure energy expert
4	Rail technical expert, including ERJU understanding
5	Rail policy and strategic planning expert
6	Rail user/market profile
7	UNEP representative
8	UNEP representative
9	UN University representative
10	UN University representative



11	ECOACSA CEO (SME)
12	Biodiversity monitoring and integration into infra management
13	Biodiversity and habitat protection
14	Biodiversity and Infrastructure representative

3.3 TECHNICAL STAKEHOLDER GROUP

The technical stakeholder group plays a key role in the stakeholder engagement of the Symbiosis project, as it will help gather technical knowledge, insights and expertise to task and WP leaders, enhancing a more in-depth view of the interaction between the rail and energy infrastructure and biodiversity, providing an updated technical knowledge to the project.

The technical stakeholder group has been selected by the different task leaders according to the needs of the activities to be developed inside the project. The selection was made upon the results of the stakeholder brainstorming activities developed in Task 2.2, which delivered a comprehensive list of sectors and professional profiles that could be part of the SYMBIOSIS stakeholder engagement framework. Invitations are to be sent as soon as specific contacts are gathered, at the end of M5.

The role of the group will be to help task leaders gather the specific technical knowledge to have a comprehensive and in-depth view of the interaction between the rail and energy infrastructure and biodiversity, providing an updated technical knowledge to the project in their different areas of expertise.

4. SYMBIOSIS BRANDING

Branding SYMBIOSIS will be performed by publishing key messages about its identity (vision, mission, values, strategy, methodology, expected outcomes & impacts), and developing a visual identity package including a logo, a website, graphics, templates, flyers, and roll-ups.

4.1 KEY MESSAGES

Some of the key messages for the target audience are as follows:

Underline Key Enablers

To 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.

4.2 VISUAL IDENTITY

The following visual identity has been created for the project

4.2.1 LOGO

The SYMBIOSIS logo was designed at the start of the project. The logo is the core element of the SYMBIOSIS brand identity and visually translates project concept and ideas.

The SYMBIOSIS logo consists of the word "SYMBIOSIS" in a bold, sans-serif font. The letters "S", "Y", "M", "B", "I", "S", and "S" are dark blue. The letter "O" is replaced by a circular icon divided into two halves: the left half is light green and contains a stylized white leaf with veins, and the right half is dark blue.

Figure 2. SYMBIOSIS Logo



Figure 3. SYMBIOSIS Logo Colours

4.2.2 WEBSITE

The project website (<https://symbiosis-transport.eu/>) is one of SYMBIOSIS's most important communication channels. It will serve as a key element of engagement with the identified target groups. The SYMBIOSIS project website was launched in December 2024. The website aims to provide up-to-date information about the project activities, stakeholders, and the public (Figure 4), such as deliverables, publications, newsletters, news, events, etc.

The layout of the website has been created in line with the brand book identity and is designed to act as a contact point for different target groups interested in the project.

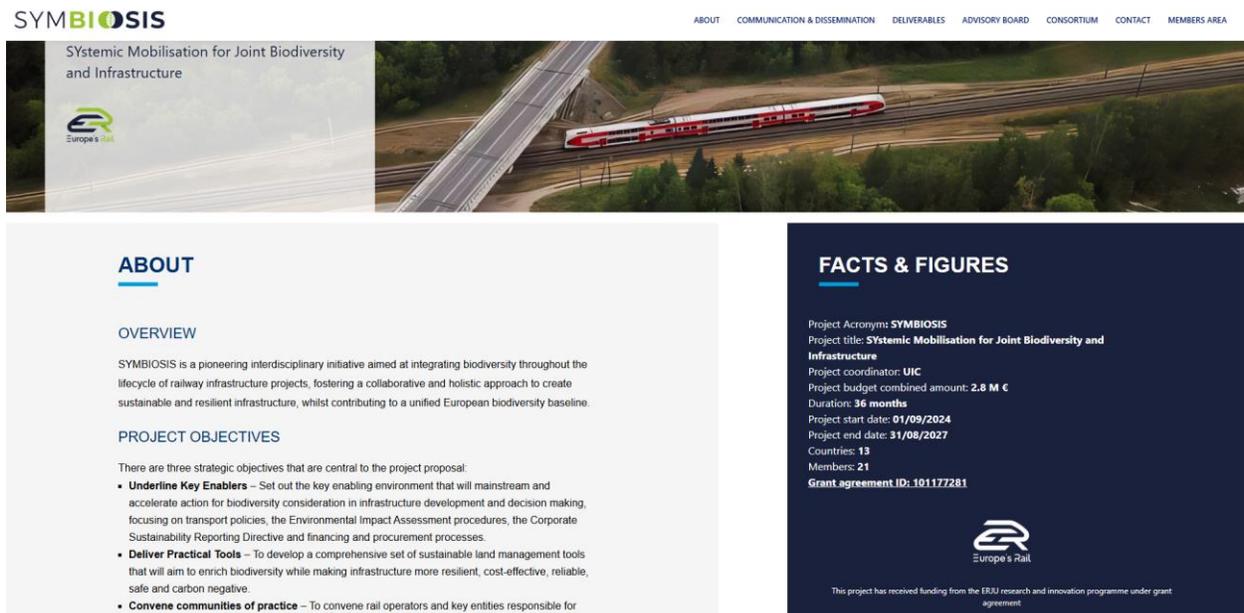


Figure 4. SYMBIOSIS website

4.2.3 TEMPLATES

Several templates have been created to promote the project and its brand identity. They include:

4.2.5.1 POWERPOINT TEMPLATE



Figure 5. PowerPoint Template

4.2.5.2 DELIVERABLE TEMPLATE



4.2.5.5 MINUTES TEMPLATE

The figure shows two pages of a meeting minutes template. The left page is a cover sheet with the SYMBIOSIS logo at the top, followed by a large 'Meeting Title' field, a 'Venue address' field, and a 'Date' field. At the bottom, there is a small disclaimer and the European Union logo. The right page is the main content page, starting with 'SYMBIOSIS Project | Deliverable' and a small logo. It contains two tables: 'Document Details' and 'Participants'. The 'Document Details' table has columns for Responsible Partner, Author, Reference, Status, and Short Name. The 'Participants' table has columns for Partner no., Short name, and Name, with rows numbered 1 to 15.

Figure 8. Minutes template

5. COMMUNICATING AND DISSEMINATING THE ACTIVITIES AND RESULTS

The communication and dissemination activities will be performed according to an innovative and impactful communication and dissemination roadmap structured around a strategic plan, a tactical plan and an operational plan, including a monitoring system and a contingency plan ensuring the optimisation of the communication and dissemination operations.

The communication and dissemination will be organized via the following main routes.

5.1 SOCIAL MEDIA

For social media content, EU Rail recommends SYMBIOSIS partners to refrain from creating separate accounts. Instead, they are encouraged to leverage EU Rail’s existing social media base, including over 10,000 LinkedIn followers and nearly 5,000 on Twitter, as well as the EU Rail YouTube channel. FEHRL and UIC, as major European road and rail transport associations, can enhance their communication reach by posting on their corporate channels and tagging EU Rail. Partners are urged to use their organizational channels and tag EU Rail for reposts, which helps ensure that all relevant



content reaches the EU Rail team and can be promptly reshared. This approach simplifies the process, amplifies visibility, and enables EU Rail to build on the partner's posts as necessary.

5.2 OPEN ACCESS SCIENTIFIC PUBLICATIONS

A major effort will be made towards publishing peer-reviewed scientific and technical papers in well-respected and highly rated journals and scientific magazines and respective conference proceedings.

SYMBIOSIS will provide gold or green open access to scientific publications.

In addition, results of the project will be disseminated through the FEHRL Infrastructure Research Magazine (FIRM) that is published every 6 months and others such as World Highways and Thinking Highways.

5.3 EVENTS

The SYMBIOSIS project will make use of two types of events to disseminate the project results: internally and externally organized events.

5.3.1 INTERNALLY ORGANISED EVENTS

The project plans to organize several workshops during the project duration as stated in the table below.

Event No	Relevant WP/ Task	Due date	Aim	Lead partner (s)
1	WP1	M1	Kick-off meeting 1 st engagement with stakeholders	UIC
2	WP2 / T2.1	M7	Presentation of the project, its vision and approach to stakeholders: First feedback	FEHRL, FFE, UIC
3	WP5 / T5.1	M10	Workshop aims at improving Stakeholder Participation in Decision-Making: Evaluating and enhancing stakeholders' involvement in decision-making processes and transport policy formulation	CERTH
4	WP5 / T5.3	M12	Workshop to look at a) the environmental impact assessment on development of pairing transport infrastructure and b) the cooperative sustainably reporting of transport projects.	CERTH
5	WP2 Midterm review	M18	Presentation of the preliminary results of the different WPs and midterm feedback from stakeholders (including side events for other WPs)	FFE, UIC



6	WP3 / T3.3	M24	Workshop to evaluate practice collected and define the variables to be considered in the decision-making process.	MINUARTIA
7	WP4 / T4.2	M23	Webinar to demonstrate capabilities of AI and automated sensors for biodiversity monitoring	CEH, SLU
8	WP5 / T5.3	M33	Presentation of the outcome on modern requirements for corporate sustainability	CERTH
9	WP4 / T4.4	M34	Stakeholder workshop to co-design standardized approaches to monitoring biodiversity	CEH, SLU
10	WP2 Final event	M36	Final dissemination event: Dissemination of the results of the project	FFE, UIC

5.3.2 EXTERNALLY ORGANISED EVENTS

The consortium will present the results of the project at various conferences which include:

- FEHRL Infrastructure Research Meeting 2025 (FIRM2025), April 2025
- RAILLIVE, 2025
- 14th World Congress on Railroad Research – WRRRC2025, 17 – 21 Nov 2025
- Transport Research Arena (TRA2026), 18 – 21 May 2026, Budapest
- InnoTrans 2026
- IENE International Conference 2026

In the first 6 months of the project, SYMBIOSIS was presented at the following events:

- IENE International Conference, 9 – 13 Sep 2024, Prague.
Session title: Harmonising Infrastructure and Biodiversity: The EU-funded SYMBIOSIS Initiative.
- Scandinavian Association for Pollination Ecology annual meeting in Norway, 10 - 13 October 2024.
- EU-Rail IAM4RAIL (online) Mid-Term Conference on 26 November 2024.
Session title: Environmentally Friendly Asset Production & Maintenance Support Technologies.

5.4 PRESS RELEASES

Press releases will present specific achievements of the project that will be of interest to the public. The project's press releases will be developed by FEHRL with the support of the consortium to European, national and local press.

The SYMBIOSIS partners will use their press contacts to communicate the progress of the project and will be responsible for translations as well as to create media contact lists.



A press release was issued at The Via Libre magazine (see appendix 1) – one of the most important railway publications in Spain, with 60 years' experience. Its bulletin reaches more than 7000 rail professionals in Spain.

5.5 PROJECT VIDEOS

SYMBIOSIS videos serving as ambassadors for key results will be produced and distributed through social media and website and displayed in project's presentations in conferences, workshops and exhibitions.

5.6 NEWSLETTER

Newsletters will be produced providing project updates and newsworthy information which will be distributed to a broad range of relevant stakeholders to present the project progress and upcoming events.

The newsletters will be disseminated through the public part of the project's website, social media and direct mailing to a dedicated list of recipients that will include the Advisory Board and the stakeholders list. The list of newsletter recipients will be constantly enriched both by all project partners and via a dedicated subscription form that is uploaded on the project's website.

5.7 NEWS FEEDS & NEWSLETTER TEASERS

The project will publish at least one article every two months on the project website. This will include dissemination activities, profiles of consortium members, overview of submitted deliverable reports etc. The published articles in the first 6 months of the project are (Appendix 2):

- SYMBIOSIS Kick-Off meeting article
- SYMBIOSIS session at the IENE conference
- SYMBIOSIS at UIC Sustainability Action Week

Newsletter teasers will be produced and sent to EU-RAIL once a month showcasing planned activities of the project, related external events etc.

The following teasers have so far been forwarded to EU-RAIL:

- SYMBIOSIS Kick-Off meeting article
- SYMBIOSIS at IAM4RAIL Mid-term event
- Symbiosis Project Website Rolled Out

Details can be found in Appendix 3.

6. EXPLOITATION OF RESULTS



The objectives of the exploitation activities of the project are as follows:

- Mobilise the infrastructure and ecology communities to work together.
 - Ensure effective networking and transfer of good practices.
 - Encourage long-lasting collaboration so that the project outcomes extend beyond the life of the project.
- Provide the capacities to the key actors to adopt the best practices and developed tools autonomously.

The ultimate goal is to ensure that the knowledge created by SYMBIOSIS, complemented by other relevant knowledge products and resources, is transferred to infrastructure practitioners in an innovative, low-cost and effective way that will ultimately enhance their ability to plan, design and build infrastructure that is sustainable and resilient to operate and maintain.

To effectively exploit SYMBIOSIS results, the project will:

- Develop a Knowledge Transfer and Capacity Building Strategy
- Develop a Knowledge & Learning Hub and
- Deliver Capacity Building and Training.

Training and capacity building activities will be delivered through ISLe for a greater impact and reach to the global community. The ISLe Initiative is an established knowledge transfer and capacity building initiative led by ICSI, Duke University, and UNEP under the umbrella of the Sustainable Infrastructure Partnership. This model is based on per-peer learning and exchange through virtual communities of practice, and provides a rapid, inexpensive and effective means of equipping practitioners with tools, access to expertise and a community of peers facing similar challenges and opportunities. ISLe has successfully piloted a case-based virtual learning model that can be applied to help disseminate SYMBIOSIS' knowledge products and resources, complemented by international best practice to infrastructure and biodiversity stakeholders.

7. DISSEMINATION PROCEDURES

For performed dissemination activities,

- The initiator of the dissemination activity will, within 10 working days, complete the appropriate register (Appendix 4) which is available on the internal project's TEAMS platform.
- All materials will be archived by FEHRL to the TEAMS platform.
- In addition, the lead partner of every dissemination activity will upload photos of their participation at various events on TEAMS platform.

8. ACKNOWLEDGEMENT OF EU FUNDING



8.1 VISIBILITY – EUROPEAN FLAG AND FUNDING STATEMENT

Communication activities of the beneficiaries related to the action (including media relations, conferences, seminars, information material, such as brochures, leaflets, posters, presentations, etc., in electronic form, via traditional or social media, etc.), dissemination activities and any infrastructure, equipment, vehicles, supplies or major result funded by the grant must acknowledge EU support and display the European flag (emblem) and funding statement (translated into local languages, where appropriate):



The emblem must remain distinct and separate and cannot be modified by adding other visual marks, brands or text.

Apart from the emblem, no other visual identity or logo may be used to highlight the EU support. When displayed in association with other logos (e.g. of beneficiaries or sponsors), the emblem must be displayed at least as prominently and visibly as the other logos.

For the purposes of their obligations under this Article, the beneficiaries may use the emblem without first obtaining approval from the granting authority. This does not, however, give them the right to exclusive use. Moreover, they may not appropriate the emblem or any similar trademark or logo, either by registration or by any other means.

8.2 QUALITY OF INFORMATION - DISCLAIMER

Any communication or dissemination activity related to the action will indicate the following disclaimer (translated into local languages where appropriate)

“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 EU-RAIL. Neither the European Union nor the granting authority can be held responsible for them”.

9. GENERAL OVERVIEW OF SYMBIOSIS RESULTS AND MEASURES TO REACH STAKEHOLDERS

Table 2. Overview of results and measures to reach stakeholders



Expected results	Dissemination, Exploitation & Communication	Target Groups	Outcomes
<p>Supporting effective coordination between transport and energy sectors by promoting a multi-stakeholder, cross-border, intermodal coordination mechanism, including the coordination of AB members.</p> <p>Holistic framework for sustainable transport and energy development covering social, environmental and economical dimensions with a focus on minimising impacts related to climate change and biodiversity loss.</p> <p>Prioritisation of nature-based solutions for climate-resilient infrastructure develop a methodology to contribute to the "theory of change" to guide the strategic direction. Integrate long-term sustainability objectives like climate adaptation, mitigation, and biodiversity conservation into transport and energy infrastructure development.</p> <p>Reinforcement of blue and green infrastructure assess and promote the potential contribution of transport and energy infrastructure to BGI networks.</p>	<p>Communication Develop project identity, website, brochures, and newsletters. Use social media for effective outreach and conduct stakeholders' demonstrations at European and regional events. Implement a Data Management Plan for efficient data collection, storage, and sharing. Ensure security, accessibility, and compliance with standards. Plan and execute events to present project findings, outcomes, and recommendations.</p> <p>Dissemination Engage stakeholders through surveys, interviews, and events. Facilitate workshops and webinars. Conduct kick-off and final workshops to raise awareness, gather knowledge, and foster collaboration. Identify and participate in relevant conferences and key stakeholder events in biodiversity, transport, and energy sectors.</p> <p>Exploitation Organise training and capacity-building activities through ISLe, coordinated by ICSI. Establish a streamlined biodiversity data flow from collection to national/international reporting, ensuring interoperability in the transport and energy sector. Contribute to existing/future projects as well as standardisation and regulatory documents by maintaining a continuous communication link</p>	<p>End users, those interested in benefiting from project outcomes. Professionals in the transport and energy sectors (e.g. (infrastructure managers and operators) from consortium countries and beyond.</p> <p>Government and Regulatory Bodies, entities interested in developing a comprehensive understanding of biodiversity and transport synergies for improved regional/ international policy and decision-making.</p> <p>NGOs and environmental consultants, organisations focused on biodiversity, environmental campaigns, and specialised in measuring and monitoring biodiversity impacts on linear infrastructure.</p> <p>International organisations, multilateral entities with convening power, aiming to benefit from and disseminate results beyond consortium and related countries.</p> <p>Investors and Financial Institutions, individuals involved in Green Finance, ensuring awareness of biodiversity no-net-loss aims within linear infrastructure sectors for incorporation into</p>	<p>End users: Benefit from accessible and sustainable transport and energy solutions. Improved habitat management practices leading to reduced environmental impact on design, construction, maintenance, operation, and renewal process of infrastructure projects and increased collaboration across sectors.</p> <p>Government and Regulatory Bodies: Implementation of regulations supporting sustainability and resilience. Informed policy decisions based on identified research and innovation needs. Safer and more reliable transport through climate-resilient transport and energy infrastructure, in line with decarbonation strategies for 2030.</p> <p>NGOs and environmental consultants: Strengthened advocacy for environmentally responsible infrastructure development.</p> <p>International organisations: Global adoption of sustainable measures in line with UN</p>



Expected results	Dissemination, Exploitation & Communication	Target Groups	Outcomes
<p>Impact assessment tool for linear infrastructures develop an operational tool to implement an integrated ecosystem approach in strategic planning processes.</p> <p>Enhanced biodiversity data collection with harmonised methodology Establish and promote a methodology for biodiversity data collection among stakeholders in the transport and energy sectors, improving interoperability.</p> <p>Support science-based decision-making by anticipating and aligning with regulatory changes at national, European, and global levels regarding biodiversity standards.</p>	<p>with policymakers and international organisations (identified in Table 3). Support stakeholders’ engagement in decision-making processes (WP3&5). Ensure a close collaboration with ERJU and transfer of project results into EU-RAIL Innovation Pillar Flagship Projects (e.g. IAM4Rail and Rail4EARTH).</p>	<p>investment decisions and incentives.</p> <p>Educational Institutions, higher education institutes and colleagues within Transport and Logistics departments. Researchers in the field.</p>	<p>SDGs and CBD in transport and energy development.</p> <p>Investors and Financial Institutions: Improved communication and collaboration in addressing biodiversity and infrastructure challenges.</p> <p>Educational Institutions: The complexity of identification of indicators aims at creating high-quality new knowledge among scientific community for further research.</p>

10. EVALUATION AND MONITORING OF ACTIVITIES

The communication, dissemination and exploitation activities of the project will be regularly evaluated and monitored during the project lifetime. The project consortium has agreed on minimum thresholds for each dissemination activity. Table 2 presents the quantitative targets (KPIs) for each of the dissemination and communication tools described above. Table 3 presents the status of the monitoring exercise as at M6.

Table 3. Quantitative targets for communication, dissemination and exploitation

KPI	Year 1 target	Year 2 target	Year 3 target
Communication, Dissemination & Exploitation plan	Communication, Dissemination & Exploitation plan and 1st year activities available	Updated plan and 2nd year activities available	Updated plan & 3rd year activities available



KPI	Year 1 target	Year 2 target	Year 3 target
Stakeholder forum	External forum creation; at least 20 registered stakeholder entities	At least 40 (overall) registered stakeholder entities	At least 50 registered stakeholder entities (overall)
Visual identity & dissemination material	Develop logo, website (200 visits/month), and create promotional materials (templates)	Maintain website and increase its visits (250 visits/month)	Maintain website and increase its visits (300 visits/month)
Digital Brochure Submission	Submit 1 digital brochure to EU-RAIL	Submit 1 digital brochure to EU-RAIL	Submit 2 digital brochure to EU-RAIL
News feeds	Publish at least one article every two months on the project website	Publish at least one article every two months on project website	Publish at least one article every two months on project website
Social media	Collaborate with EU-RAIL media channels. X (Twitter): <ul style="list-style-type: none"> • 170 followers • 10 tweets/month • 10 mentions/month LinkedIn: <ul style="list-style-type: none"> • 100 followers/20 posts 1 social broadcast session 	Collaborate with EU-RAIL media channels. X (Twitter): <ul style="list-style-type: none"> • 320 followers • 15 tweets/month • 15 mentions/month LinkedIn: <ul style="list-style-type: none"> • 200 followers/60 posts 1 social broadcast session 	Collaborate with EU-RAIL media channels. X (Twitter): <ul style="list-style-type: none"> • 420 followers • 20 tweets/month • 20 mentions/month LinkedIn: <ul style="list-style-type: none"> • 250 followers/100 posts 1 social broadcast session
Event Participation	At least 3 in Europe	At least 6 in Europe or beyond	At least 10 in Europe or beyond
Organisation of own events	At least 3 stakeholder engagement events	At least 6 stakeholder engagement events	At least 9 stakeholder engagement events
Open access scientific publications	-	-	4 scientific articles
Press release and newsletter	At least 1 press release 1st newsletter	At least 3 press release 2nd newsletter	At least 5 press release 3rd newsletter
Training events	-	At least 1	At least 2
Video production	-	1st project video	2 nd project video
Organisation of webinars	-	At least 1 webinar	At least 1 webinar



KPI	Year 1 target	Year 2 target	Year 3 target
Production of newsletter teasers	1 newsletter teaser/month to EU-RAIL	1 newsletter teaser/month to EU-RAIL	1 newsletter teaser/month to EU-RAIL
Project presentation	Project presentation	Project presentation – 1st update	Project presentation – 2nd update

Table 4. Monitoring of dissemination activities at M6

KPI	Year 1 target	Actual (M6) – Feb 2024
Communication, Dissemination & Exploitation plan	Communication, Dissemination & Exploitation plan and 1st year activities available	Communication, Dissemination & Exploitation plan available
Stakeholder forum	External forum creation; at least 20 registered stakeholder entities	Created/ part of the web site- Promotion just started.
Visual identity & dissemination material	Develop logo, website (200 visits/month), and create promotional materials (templates)	Logo, templates have been designed and prepared. The website is public.
Digital Brochure Submission	Submit 1 digital brochure to EU-RAIL	Not yet done
News feeds	Publish at least one article every two months on project website	In progress 3 news posts
Social media	Collaborate with EU-RAIL media channels. X (Twitter): • 170 followers • 10 tweets/month • 10 mentions/month LinkedIn: • 100 followers/20 posts 1 social broadcast session	In progress
Event Participation	At least 3 in Europe	Project already presented at 3 events
Organisation of own events	At least 3 stakeholder engagement events	Not yet done
Open access scientific publications	-	-



KPI	Year 1 target	Actual (M6) – Feb 2024
Press release and newsletter	At least 1 press release 1st newsletter	1 press release
Training events	-	-
Video production	-	-
Organisation of webinars	-	-
Production of newsletter teasers	1 newsletter teaser/month to EU-RAIL	In progress
Project presentation	Project presentation	done

11. CONCLUSIONS

The content of this Deliverable 2.1 Communication, Dissemination & Exploitation Plan, produced within Work Package 2: WP2 - Communication, dissemination & exploitation is to identify and organise consortium activities to promote and diffuse the SYMBIOSIS results to the potential communities and the public.

The dissemination tools described in this Deliverable are a blend of face-to-face/interpersonal (to engage, get input and promote) and mass media (for information and awareness-raising) opportunities. The latter one focused on creating a visual identity, preparing a newsletter, website, press releases and other media coverage in the project activities and use of social media.

In the first 6 months of the project, the project was disseminated at several events. These include:

- IENE International Conference, 9 – 13 Sep 2024, Prague.
Session title: Harmonising Infrastructure and Biodiversity: The EU-funded SYMBIOSIS Initiative.
- Scandinavian Association for Pollination Ecology annual meeting in Norway, 10 - 13 October 2024.
- EU-Rail IAM4RAIL (online) Mid-Term Conference on 26 November 2024.
Session title: Environmentally Friendly Asset Production & Maintenance Support Technologies.



REFERENCES

Grant Agreement. Project 101177281 – SYMBIOSIS



APPENDICES

APPENDIX 1 – PRESS RELEASE






Internacional ▾ Infraestructura ▾ Operadores ▾ Material ▾ Empresas ▾ Otras secciones ▾ Publicaciones ▾ Hemeroteca ▾ Multimedia ▾

Actividades de la Fundación: [Noticia de actualidad](#)
 Imprimir artículo Enviar por email

Participación de la Fundación de los Ferrocarriles Españoles en el proyecto europeo Symbiosis

El objetivo es fomentar infraestructuras ferroviarias sostenibles

El proyecto Symbiosis liderado por la Unión Internacional de Ferrocarriles (UIC) y financiado por Horizonte Europa, dentro de la Europe's Rail Joint Undertaking (ERJU), busca integrar la biodiversidad en el diseño y gestión de infraestructuras ferroviarias.

(23/01/2025)

La Fundación de los Ferrocarriles Españoles, FFE, forma parte del consorcio Symbiosis, compuesto por veintinueve socios de once países europeos, entre ellos administraciones, empresas tecnológicas y universidades. Tendrá una duración de 36 meses y tiene como objetivo desarrollar herramientas prácticas para gestionar infraestructuras ferroviarias de forma sostenible, resiliente y respetuosa con la biodiversidad.

Desde el Área de Gestión del Conocimiento, la Fundación coordina el diálogo entre los diferentes actores implicados y analiza políticas ferroviarias relacionadas con biodiversidad. El proyecto también fomenta el intercambio de conocimientos entre las áreas de infraestructura ferroviaria y biodiversidad, impulsando soluciones integradas para el transporte sostenible en Europa.

Más información sobre Symbiosis en su web oficial: symbiosis-transport.eu





APPENDIX 2 – NEWS FEEDS

SYMBIOSIS KOM ARTICLE

EU-Rail SYMBIOSIS Project Kicks Off: Pioneering Biodiversity and Infrastructure Integration

The SYMBIOSIS project, an innovative interdisciplinary initiative under the EU-Rail framework, has officially commenced with a kick-off meeting held on September 4-5, 2024, in Paris. This groundbreaking project aligns with the UN's vision for responsible land use and the European Green Deal, striving to create a harmonious balance between biodiversity, transport infrastructure, and energy production.



A New Era of Collaboration and Biodiversity Management

SYMBIOSIS represents a holistic approach to integrating biodiversity considerations throughout the entire lifecycle of infrastructure projects. It aims to build a robust community of practice by fostering collaboration among stakeholders in transport infrastructure, energy distribution, and biodiversity management. This cooperative framework is expected to accelerate action towards resilient infrastructure that not only meets human needs but also preserves and enhances natural ecosystems.

The project introduces an innovative impact assessment tool for linear infrastructure, promoting digitalization and standardized data collection, monitoring, and mapping. These efforts contribute to a unified European biodiversity baseline, which is essential for meeting the EU's ambitious climate goals.



Day 1: Strategic Vision for Biodiversity and Infrastructure

The first day of the kick-off event focused on laying the groundwork for SYMBIOSIS, with discussions centered on three key themes:

- **European Harmonized Habitat Management Strategies:** Participants explored the need for coordinated habitat management strategies across linear transport and energy infrastructures, highlighting the importance of policy interaction and collaboration between different transport modes.
- **Project Overview and Work Packages:** The SYMBIOSIS project's objectives, work packages, and its critical role in addressing technical, social, and policy-related challenges were presented. This set the stage for the project's ambitious goals at both the EU and global levels.
- **Knowledge Sharing and Collaboration:** Emphasis was placed on the importance of knowledge sharing, capacity building, and multi-stakeholder collaboration. Identifying gaps in biodiversity knowledge and the need for EU-wide coordination were key takeaways from these discussions.

Esteemed external speakers, including Joseph Price (UNEP), Elke Hahn (IENE), Eva Valeri (ERA), Christopher Harris (EBRD), Adel El Gammal (EERA), and Hildegard Meyer (WWF CEE), participated in the last session to discuss strategies for enhancing the project's global reach and impact on harmonizing infrastructure with biodiversity.



Day 2: Actionable Steps and Strategic Planning

The second day was dedicated to initiating the project's work packages and ensuring that all members are aligned with the project's goals, deliverables, and milestones. The day featured:

- **Strategic Planning:** Discussions were held to plan the production of milestones and deliverables, establish meeting frequencies, and create a detailed timetable for project tasks.
 - **World Café Activities:** Participants engaged in group discussions led by task leaders. These sessions focused on collaborative working methods, including meeting frequency, inclusivity principles, and preferred platforms for communication. Critical content-related topics, such as drafting deliverables and setting engagement rules, were also discussed.



A Vision for a Sustainable and Biodiverse Future

Building on the momentum from previous projects like the EU-funded BISON project, SYMBIOSIS advocates for the coexistence of sustainable infrastructure with thriving biodiversity. The project's outcomes are expected to guide regulatory changes in biodiversity standardization globally, contribute to a unified European biodiversity baseline, and support the "no net loss" and "net gain" biodiversity objectives.



SYMBIOSIS stands as a cornerstone for science-based decision-making, offering recommendations for biodiversity-related research and innovation. By fostering cross-disciplinary efforts and promoting nature-based solutions, SYMBIOSIS is set to drive transformative change towards a sustainable, biodiverse future.





SYMBIOSIS SESSION AT THE IENE CONFERENCE

EU Rail Newsletter Teaser:

Discover the Future of Rail with SYMBIOSIS!

SYMBIOSIS unveiled its key approach to achieving resilient and sustainable transport and energy infrastructure development at its inaugural session at the [IENE 2024 international conference on ecology and transportation in Prague](#)! Participants learned about innovative approaches to integrate biodiversity into infrastructure design and operation to enhance rail transport capacity, improve infrastructure development experiences, and monitor biodiversity. Open discussions engaged participants in creating a sustainable balance between transport and energy development infrastructure and environmental conservation. Stay tuned for more updates as we embark on this transformative journey toward sustainable railways and biodiversity initiatives!

SYMBIOSIS Interactive Session Highlights

SYMBIOSIS Makes Its Debut at the [IENE 2024 international conference on ecology and transportation](#) in Prague!

The SYMBIOSIS interactive session was a highlight at the IENE conference participants gathered to learn about the new ERJU funded project's goals, as well as about the outputs of the previous BISON project. Engaging discussions on the future of rail transport, biodiversity monitoring, and the broader social and environmental impacts showcased a strong collective commitment to sustainable development among diverse stakeholders, all dedicated to making a positive impact on habitat management on transport and energy infrastructure development. The event focused on the following three different perspectives, concluding with a key message on best practices enabled by international collaboration.

1. **Vision for the Future of Rail:** Several key insights emerged regarding the future of rail transport (moderated by Andreas Seiler, SLU):
 - **Increased Capacity:** A future was envisioned where rail efficiently accommodates both freight and passenger transport, enhancing overall service reliability.
 - **Enhanced Connectivity:** The need for seamless and convenient connections across Europe and beyond were emphasised, including trans-border timetables.
 - **Improved Passenger Experience:** A request was made to elevate rail services to compete effectively with medium and long-range road transport, providing an attractive alternative.
 - **Biodiversity and Climate Resilience:** The importance of railway infrastructure serving as vital corridors and habitats, while contributing to climate adaptation efforts, was recognized.
 - **Social Value Creation:** The potential for railways to enhance community well-being was discussed, with an emphasis on providing recreational corridors and affordable transportation options.
2. **Prioritised Biodiversity Components for Monitoring:** The session highlighted critical components for biodiversity monitoring, guiding SYMBIOSIS's efforts in the transport and energy sectors (moderated by Thierry Goger, FEHRL):
 - **Land Take and Habitat Fragmentation:** The need to reduce barriers and mitigate wildlife mortality risks was identified as essential for maintaining ecological integrity.
 - **Understanding the Ecological Rail Effect Zone:** A requirement for further research to quantify the rail corridor's impact and assess cumulative effects in relation to other transport infrastructures and land use was expressed.
 - **Integration of Habitats Related to Infrastructure:** Acknowledgment of the need to recognise and incorporate impacted habitats into planning and monitoring processes was made.
 - **Management of Invasive Species:** Strategies for mitigating the risks posed by invasive species to native biodiversity were deemed crucial.



- **Verge Function Assessment:** Evaluation of how verges can serve as both habitats and corridors, while being mindful of their potential as ecological traps and conduits for invasive species, was proposed.
 - **Focus on Pollinators and Invertebrates:** The importance of preserving these vital species for ecosystem health was emphasized.
 - **Exploring Energy Production Opportunities:** The investigation of renewable energy sources, such as biofuels, solar, and wind energy, along with carbon sequestration options, was suggested.
3. **Societal Impacts Linked to Railways:** Discussions revealed important societal impacts associated with railways (moderated by Lazaros Georgiadis, CERTH):
- **Land Take for Compensation Measures:** It was noted that compensation measures typically exceed the physical corridor occupied by rail, causing additional impacts on local communities.
 - **Rail facilities (tracks, stations, trains) could reclaim their once important role in society by providing good, reliable and attractive services.** They could again become a transportation hub and social hub, but this has to be well designed (not just left for private entrepreneurs to fill the space).
 - **High-Speed Rail Barriers:** The disturbances imposed by high-speed rail on wildlife populations highlighted the need for inclusive planning.
 - **Mobility Benefits of Medium and Short-Range Rail:** The essential role of these services in enhancing local mobility and connectivity was recognized.
 - **Transforming Abandoned Railways:** Advocacy for transforming unused railway lines into valuable recreational spaces like cycle paths was encouraged.
 - **Public Education Efforts:** Raising awareness among stakeholders about the multifaceted benefits of rail systems was deemed important.
4. **Addressing Challenges Ahead:** Challenges that must be navigated collaboratively to realize the full potential of rail transport as a sustainable mode of transit were identified:
- **Comprehensive Sustainability Assessments:** A rigorous evaluation of impacts on society, environment, economy, and reversibility throughout all phases of development was called for.
 - **Connecting with the Energy Sector:** Opportunities for utilizing rail corridors for energy production will be key in strategic planning.
 - **Shifting Focus Towards Public Services:** An emphasis on enhancing local rail communication over merely competing with air travel was suggested.
 - **Advocating for Public Ownership:** Ensuring that infrastructure remains primarily state-owned will help align commercial transport services with community needs and sustainability objectives.
 - **Educating Stakeholders on Sustainable Development:** Transforming perspectives on degrowth and sustainability was identified as essential for fostering responsible practices.
 - **Developing a Long-Term Vision:** A rethinking of the societal role of rail, prioritizing user needs and embedding infrastructure within local landscapes, was asked for.

Conclusion and Future Directions

Infrastructure plays a vital role in achieving the **Sustainable Development Goals (SDGs)**, but conventional development harms the natural and social environment. Findings from **UNOPS** highlight that infrastructure relates to **92%** of the **169 SDG targets**, emphasizing the need for sustainable practices. The **UNEP** promoted principles guiding sustainability throughout the infrastructure lifecycle developed under the Sustainable Infrastructure Partnership (SIP) platform.

The session concluded with the announcement of the **UNEP's** publication on sustainable railway infrastructure from **ÖBB-Infra Austria**, detailing the Austrian government's **€21.1 billion** investment (2024-



2029) to enhance sustainable transport, including the **Koralmbahn project**. This initiative features a new method for constructing bridges that reduces greenhouse gas emissions significantly. This method is tested in one of the green bridges or ecoducts that aim to reduce barrier effects on wildlife migration. As the journey toward sustainable rail transport and biodiversity conservation progresses within the SYMBIOSIS project, heartfelt thanks are extended to all participants for their great contributions to this activity at IENE!

Stay tuned for more updates as SYMBIOSIS aims to lead sustainable infrastructure development and biodiversity initiatives that support multidisciplinary collaboration and create a harmonious balance between biodiversity, transport and energy sectors.

The infographic is divided into several sections:

- Top Left:** Logos for Sustainable Infrastructure Partnership, UIC (International Union of Railways), and OBB INFRA.
- Top Right:** A green box titled 'The International Good Governance for Sustainable Infrastructure' with text: 'Not all new guidelines published by policymakers can follow to help improve sustainability since infrastructure planning and delivery have an impact on environmental degradation and biodiversity. Interventions that governments can make on roads and transport management for sustainable infrastructure. This case study challenges specific emerging principles in a country context, showing good practices and challenges, and considering potential for advancement or replicability.'
- Middle Right:** A grey box titled 'GUIDING PRINCIPLE 4: AVOIDING ENVIRONMENTAL IMPACTS AND INVESTING IN NATURE' with text: 'Adverse environmental impacts from infrastructure should be minimized, and natural capital enhanced to the greatest degree possible. Construction should be avoided in areas important for the persistence of biodiversity or having high ecosystem service value. The development of physical infrastructure should seek to complement or strengthen, rather than replace, nature's ability to provide services such as water supply and purification, flood control and carbon sequestration. Nature-based solutions should be prioritized.'
- Bottom Left:** A green box with the title 'PLANNING RAILWAY INFRASTRUCTURE AND CONSTRUCTING A LOW-CARBON INNOVATIVE GREEN BRIDGE IN AUSTRIA' and a map of Austria.
- Bottom Middle:** A 'BACKGROUND' section with text: 'The Austrian government is investing historically high budgets into the improvement of the railway infrastructure of the country. These investments are triggered by a framework plan which covers six years and must be approved by the Austrian government. The actual framework plan (2024-2029) includes numerous railway infrastructure projects all over Austria and provides a budget of EUR 21.1 billion (Austria, Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology 2023). The framework plan constitutes the political commitment to improve and expand national railway infrastructure as a means for sustainable development of the country. It is commonly agreed that, overall, railways are the most sustainable mode of mass transport of passengers and goods currently available. The use of railways is also considered to be an effective way of reducing energy and resource demand for transport, representing an important part of the solution to contemporary issues. In this context, large-scale railway infrastructure construction projects are planned and executed in Austria, as well as in many other European and non-European countries. However, the construction of new lines in an already highly fragmented landscape brings significant environmental challenges, due to the barrier effect of linear transport infrastructure. High-capacity lines in Austria, so-called high-performance lines, serving the transport of people and goods, are constructed for a maximum speed of 250 kilometres per hour but do not need to be fenced by law as a safety prerequisite. Nevertheless, the railway lines constitute a new, "artificial" linear object in the landscape, which can cut through traditional migration routes of wildlife.'
- Bottom Right:** A photograph of a modern railway bridge over a valley, with the caption 'PHOTOGRAPHY PROVIDED BY THE AUSTRIAN RAILWAYS'.

SYMBIOSIS AT UIC SUSTAINABILITY ACTION WEEK





Following the success of the 2023 edition the UIC sustainability Platform will host the 2025 UIC Sustainability Action Week, a highly interactive 4-day event, with a series of workshops and seminars on a broad range of sustainability topics.

- ◆ Stay all week or mix and match the topics that interest you and explore a new topic
- ◆ Engage with experts, partners, and peers to explore innovative sustainability strategies.
- ◆ Expand your network and drive real impact in the railway sector.

Come and exchange knowledge and inspire each other with actionable ways to boost sustainability activities in rail, strengthen your networks and make new synergies in cross-discipline exchanges.

Who should attend?

- ✓ Sustainability professionals and related technical collaborators within UIC members
- ✓ Partners and suppliers of UIC and their members
- ✓ Subject matter experts across other modes and industry

Call for speakers – Showcasing ERJU Symbiosis Project on biodiversity in transport infrastructures
Register your interest as a speaker/participant for the Sustainable Land Use Seminar – a one-day event focusing on biodiversity issues specific to railways and transport infrastructure, to be held on 13 March!
The event will combine interactive World Café and traditional presentations to foster expert discussions and a high-level learning experience. One session will showcase the SYMBIOSIS Project’s progress and 2025 plans, gathering sector feedback and ensuring broad dissemination among global experts.

Registration

Click this link to sign up as a participant, register your interest as a speaker or to bring a poster presentation at <https://uic.org/events/sustainability-action-week-2025>.

APPENDIX 3 – EU-RAIL NEWSLETTER TEASERS

Month	Author Entity	Link
October 2024	FEHRL	https://mailchi.mp/rail-research.europa.eu/october2024newsletter
November 2024	FEHRL	https://mailchi.mp/rail-research.europa.eu/november2024newsletter
January 2025	UIC	https://mailchi.mp/rail-research.europa.eu/january-2025-newsletter



APPENDIX 4 – SYMBIOSIS DISSEMINATION REGISTER

COMMUNICATION ACTIVITIES

Communication on projects is a strategically planned process that starts at the outset of the action and continues throughout its entire lifetime, aimed at promoting the action and its results. It requires strategic and targeted measures for communicating about (i) the action and (ii) its results to a multitude of audiences, including the media and the public and possibly engaging in a two-way exchange.

Link to the document : [SYMBIOSIS_Publications_Communication & Dissemination activities.xlsm](#)

No	Organisation	Communication Activity Name	Description	Who? Target Audience	How? Communication channel	Outcome	Status
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



DISSEMINATION ACTIVITIES

No	Organisation	Dissemination activity name	What? Type of dissemination activity	Who? Target audience Reached	Why? Description of the objective(s) with reference to a specific project output (max 200 characters)	Status of the dissemination activity
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						



PUBLICATIONS

PUBLICATIONS (1/2)										
No	Organisation	Type of PID (repository)	PID of deposited publication	PID (publisher version of record)	Type of publication	Link to publication	Title of the scientific publication	Authors	Title of the Journal or equivalent	Number
1	2	3	4	5	6	7	8	9	10	
0										
1										
2										
3										
4										
5										
6										
7										
8										

PUBLICATIONS (2/2)										
ISSN or eISSN	Publisher	Month of publication	Year of publication	Was the publication available in open access through the repository at the time of publication	Peer-reviewed	PID (Publisher version of record)	Book title	Did you charge OA publishing fees to the project?	Type of publishing venue	Article processing costs that will be charged to the project
11	12	13	14	15	16	17	18	19	20	21