LIAISE | Cooperation, development and cross-border transfer of industrial symbiosis

3rd LIAISE COST ACTION TRAINING SCHOOL: From Mapping to Implementation — Designing Viable Industrial Symbiosis Networks

09-11 February 2027
Istanbul, Türkiye

Call for Trainers

Date & Location: Istanbul, Türkiye, 09-11 February (3 working days)
Local host: Bahçeşehir University, Faculty of Economic, Administrative and Social Sciences and Cifal Istanbul-UNITAR
Venue: Bahçeşehir University, Çırağan Caddesi, No: 4 – 6, 34353 Beşiktaş / İstanbul

LIAISE COST ACTION

The LIAISE COST Action (Cooperation, development, and cross-border transfer of Industrial Symbiosis) aims to promote a holistic and inclusive approach to Industrial Symbiosis (IS). By fostering interdisciplinary cooperation across various sectors, the initiative seeks to develop and implement advanced methodologies for the effective implementation of IS in Europe. LIAISE is focused on contributing to sustainable governance, green transitions, and inclusive development by improving the quality and relevance of IS projects.

The LIAISE network brings together researchers, policymakers, industry leaders, and practitioners, offering a platform for collaboration and knowledge exchange. It aims to strengthen research, capacity-building, and the application of Industrial Symbiosis for sustainable development.

ABOUT THIS TRAINING SCHOOL

This Training School is designed for researchers, practitioners and stakeholders interested in turning Industrial Symbiosis opportunities intro practical and viable solutions. Building on the topics explored in the previous editions, this three-day programme focuses on the pathway from territorial analysis and resource mapping to feasibility assessment, stakeholder collaboration and implementation. Participants will explore an Industrial Symbiosis implementation methodology and learn how Geographic Information Systems (GIS) can support the identification of potential synergies between companies and across territories.

Through expert-led sessions, practical exercises and collaborative group work, participants will examine the role of Industrial Symbiosis facilitators, apply Safe and Sustainable by Design principles, and explore environmental and economic assessment approaches to support business decisions. Working on a shared case throughout the programme, they will develop an implementation roadmap addressing resource exchanges, stakeholder engagement, feasibility, governance and monitoring. The Training School will provide a space for interdisciplinary learning, knowledge exchange and networking, equipping participants with practical approaches they can adapt to their own industrial and regional contexts.

cost EUROPEAN COOPERATION IN SCIENCE & TECHNOLOGY
Funded by the European Union

TRAINING AREAS AND EXPECTED CONTRIBUTIONS

The call aims to select four trainers to jointly deliver a coherent and practice-oriented three-day programme. Applicants are invited to submit an integrated training proposal aligned with one of the following thematic areas, corresponding to the three days of the Training School:

- Day 1: Mapping the Territory and Identifying Industrial Symbiosis Opportunities. Proposals should address the pathway from context analysis and area selection to resource mapping and synergy identification, including practical approaches to spatial analysis and the use of GIS.
- Day 2: Designing Safe, Sustainable and Collaborative Industrial Symbiosis Solutions. Proposals should address stakeholder engagement and facilitation, safety and sustainability considerations, and environmental assessment approaches supporting the development of Industrial Symbiosis solutions.
- Day 3: Building the Business Case and Planning Implementation. Proposals should address economic feasibility, business models, implementation requirements, governance arrangements and the development of an Industrial Symbiosis implementation roadmap.

The detailed programme is indicative and provides guidance on the intended scope of each thematic area. Applicants should propose a substantial and coherent contribution covering several related topics within their selected area, rather than a standalone presentation on an individual programme item. Applicants are not required to cover every topic listed for that day but should clearly identify the content they can deliver and its proposed duration.

Each proposal should specify the learning objectives, topics covered, training methods, practical exercises, estimated duration and any software, data or prior knowledge required. Proposals should explain how participants will apply the content to a shared practical case and contribute to the development of an Industrial Symbiosis implementation roadmap.

The final allocation of sessions and teaching hours will be agreed with the selected trainers, taking into account their complementary expertise and the coherence of the overall programme. Selected trainers will be expected to coordinate their contributions, adapt their materials to participants' backgrounds and support collaborative group activities.

LEARNING OUTCOMES

At the end of the LIAISE COST Action Training School, participants will be able to:

- Describe the main stages of an Industrial Symbiosis implementation methodology, including context analysis, area selection, synergy identification, feasibility assessment and implementation planning.
- Identify potential resource synergies between companies, considering material, energy and water flows, infrastructure and territorial conditions.
- Perform basic GIS mapping tasks with guidance to explore potential Industrial Symbiosis opportunities, considering company locations, proximity and available infrastructure.
- Explain how AI can support resource matching and synergy identification, recognising the importance of data quality and the need to validate suggested matches.
- Identify and practise key facilitation techniques for engaging companies, collecting relevant information, managing confidentiality, building trust and supporting collaboration.
- Identify preliminary safety considerations for resource exchanges, including material quality, hazardous substances, traceability and potential risks requiring further assessment.

- Explain how LCA and selected environmental indicators can support the assessment of Industrial Symbiosis opportunities, considering greenhouse gas emissions, resource savings, circularity, environmental trade-offs and data limitations.
- Outline a preliminary business case for a potential synergy, identifying investment needs, operating costs, potential benefits, uncertainties and options for sharing costs and risks.
- Outline suitable management and governance arrangements, including stakeholder responsibilities, coordination mechanisms and agreements.
- Develop and present a preliminary Industrial Symbiosis implementation roadmap, drawing on the practical exercises to identify key feasibility considerations, information gaps and next steps.

All trainers will receive a certificate of participation.

BENEFITS FOR TRAINERS

Selected trainers will have the opportunity to:

- Share their expertise with an international audience of researchers, professionals and stakeholders interested in advancing Industrial Symbiosis.
- Increase the visibility of their work and institution within the LIAISE COST Action network.
- Connect with other experts and potential collaborators, creating opportunities for future research, training and joint initiatives.
- Contribute to the development of practical skills, supporting participants in translating Industrial Symbiosis opportunities into implementation roadmaps.
- Exchange knowledge across disciplines and sectors, gaining new perspectives through discussions, practical exercises and feedback.
- Further develop their training approaches and materials through collaboration with fellow trainers and engagement with participants from diverse backgrounds.

Financial support for participation will be subject to the applicable COST rules, the conditions specified in this call and the available budget.

TRAINER ELIGIBILITY

We invite applications from experienced professionals, researchers and academics with demonstrated expertise relevant to one or more of the Training School's thematic areas: Industrial Symbiosis implementation methodologies; resource mapping and GIS; stakeholder engagement and facilitation; Safe and Sustainable by Design; environmental assessment and LCA; economic feasibility and business models; or network management and governance.

Applicants should combine theoretical knowledge with practical experience and demonstrate the ability to apply their expertise to Industrial Symbiosis challenges. Previous experience in teaching, training or facilitating practical workshops is desirable.

Applicants are expected to:

- Propose a substantial and coherent training contribution aligned with one of the three thematic areas, covering several related topics.
- Translate technical concepts into accessible learning activities for participants with diverse disciplinary and professional backgrounds.
- Engage participants through interactive teaching methods, discussions, practical exercises and collaborative group work.
- Provide relevant case studies, tools or examples illustrating how Industrial Symbiosis opportunities can be identified, assessed or implemented.

- Coordinate with fellow trainers to ensure a coherent programme and contribute to the shared practical case and final implementation roadmap.
- Clearly specify any software, datasets, equipment or prior knowledge required for their proposed activities.

Applicants are not expected to cover all topics within a thematic area. The selection will seek complementary expertise across the four trainers, ensuring appropriate coverage of the programme and a balance between theoretical input and practical application.

PRACTICAL DETAILS

- The duration of this training school is three working days.
- Grants will be provided for 4 trainers.
- A contribution to travel costs (up to 400 € in total), as well as accommodation and subsistence costs (daily allowance of 209 €).
- Expenses are reimbursed between 30-60 days after the event has taken place and the reimbursement claim is correctly submitted.

WHO SHOULD APPLY?

Eligible to apply to the training school are:

- Researchers and Postdoctoral researchers
- Workers in any industrial company (holds at least a graduate degree) experienced in applying IS schemes and networks.
- Cluster Managers
- Academics
- Any other person experienced in IS topic

APPLICATIONS PROCEDURE

Applicants to the training school should:

- Submit a statement of interest, a brief description (300-500 words) of your experience in Industrial Symbiosis, your motivation for contributing to the training school, and the topics you are interested in delivering.
- Submit a short CV (2 pages maximum);
- Proposed training plan for one thematic day (maximum 2 pages): Present a coherent programme comprising several complementary sessions aligned with one of the following:
    - Day 1: Mapping the Territory and Identifying Industrial Symbiosis Opportunities.
    - Day 2: Designing Safe, Sustainable and Collaborative Industrial Symbiosis Solutions.
    - Day 3: Building the Business Case and Planning Implementation.

Please send your application to this email: liaisecostaction@gmail.com

CLOSING DATE FOR APPLICATIONS: 20th November 2026

The applicants will be informed about the result of their application via e-mail by 30th November 2026.

Accepted participants (trainers) will be required to provide the following documents along with their grant reimbursement claim:

1. A full-colour scan of your passport's main page showing your name, surname and passport number.
2. Scanned copies of invoices, receipts, bills, tickets and other proof of payments for all types of costs, including hotel accommodation, travel, meals, etc.