



Shaping symbiosis in bio-based industrial ecosystems based on circular by-design supply chains

23 OCTOBER 2024
10-11 CET

Zoom Platform



SYMBIO: Shaping symbiosis in bio-based industrial ecosystems based on circular by-design supply chains

PROGRAMME

10:00 – 10:05	Welcome and objectives of the event
10:05 – 10:10	Background of the SYMBIO project
10:10 – 10:25	SYMBIO's summary and partnership
10:25 – 10:45	SYMBIO's objectives and outcomes
10:45 – 10:55	Intro about the 2-day online workshops
10:55 – 11:00	Q&A session

What is SYMBIO?

Powered by **big data** and **artificial intelligence**, SYMBIO shapes symbiotic business models with high profitability and sustainability replicable at the EU level to increase the **market for bio-based products** and provide a system to **model, measure, and monitor symbiosis** and its social, economic, and environmental impacts.

SYMBIO is a three-year funded project by the European Commission Horizon Europe programme in the context of the Symbiosis in the bio-based industrial ecosystems Call (Grant Agreement No 101135166).

How does it work?

The SYMBIO methodology is designed and validated in **12 pilot regions** of **6 EU countries** (Italy, Austria, Slovenia, Croatia, Spain, Belgium) where industrial symbiosis is key to increasing the economic value of final products through resource sharing and **zero-waste** production models.

The SYMBIO methodology is structured in **four phases**:

Data-Hub Building. Scout and analyse resources, solutions, and market enablers to make them accessible to industries that trigger symbiotic activities close to the market.

Value-chain Design. Connect companies in circular value chains based on their specific materials flows and available technologies for material reprocessing, proven value change design, regulatory requirements and more.

Business Modelling. Develop a Circular Index and a reporting system to support companies in building a business model based on recycling, upcycling, and downcycling by-products and energy use in industrial symbiosis.

Business Deploy. Accelerate the development of business classes identified by measuring social, economic and environmental impact to maximise the support of companies, investors and regions

Why participate

An intensive **two-day technical workshop** provides operational tools for modelling resilient bio-based businesses and their social, economic, and environmental impacts using free AI tools.

SMEs

- Get tools to improve your investment readiness and build sustainability into your business model by using AI
- Connect with regional and international industry and institutional players
- Get concrete advice on your business strategy and achieve a “greener” investment profile

Clusters

- Be better equipped to help your SME members develop zero-waste circular business models
- Add a new service to your portfolio that your members can benefit from, or improve the existing service
- Upgrade the skills of your cluster managers

Contacts

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