

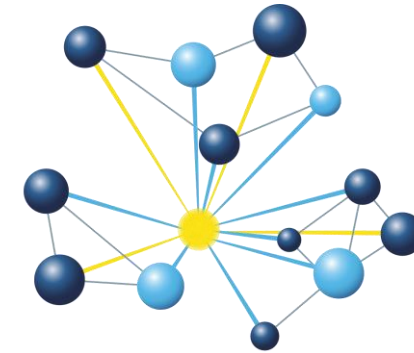
East & North
FINLAND

Bioeconomy Pilot

10:15 – 10:45

Bio-economy pilot: looking forward and how could East and North Finland contribute

**Interregional Conference of the Vanguard Initiative Network
The Next Steps of Interregional Collaboration in Bio-economy
25-26 September 2024
Kajaani, Finland**



VANGUARD INITIATIVE

New growth through smart specialisation

Ilaria Re, COO at Consorzio Italbiotec, Lombardy Green Chemistry Association, Co-lead of the Bio-economy pilot

Building an interregional bioeconomy alliance

Stakeholder engagement in the Pilot



Biorizon
The way to aromatics

11th Annual Event on Bio-Aromatics
27 & 28 November 2024
Antwerp & Online

Biorizon is powered by:

Link for registration:

<https://11th-biorizon-annual-event.b2match.io/>

Why attend?

- **Connect with global leaders** in the raw materials, conversion, equipment and end products sectors, as well as SME companies, both informally and in pre-arranged **bilateral** and one-off **matchmaking sessions**.
- Learn about the **latest industry trends** from leading players
- **Build synergies** by participating in one of the **demo projects**

Other events promoted annually



<https://natuurvezelapplicatiecentrum.eu/demo-home/nft2024/>

Bioeconomy Dialogues



Want to stay updated on Pilot events?

Sign up for our newsletter!

Write to ilaria.re@italbiotec.it

VANGUARD INITIATIVE

Building cross-regional value chain design

Shaping symbiosis in bio-based industrial ecosystems



Your Partner for All Project Stages

Just starting out? Already implementing the circular strategy?

No matter where you are currently on your decarbonisation journey, our team of experts will design a personalised implementation plan and work with you to meet your goals.



1.

Detect high priority residuals



2.

Evaluate the optimal technical solutions



3.

Validate the business model



4.

Connect with the right partners for implementation

For companies

Agri-food & wood industry companies which are looking to optimise their supply chains

For regions

Organisations supporting the regional industries in efficient circular transformation

For waste processors

Looking for new opportunities to turn organic by-products and waste into profit for your business

Building partnerships in biopolymers

Interregional Innovation Investments

PURPOSE:

Production of bio-based polyurethane from oily biomass currently used for the fashion and textile industry to:

1. realize the most sustainable product through a demo plant (TRL8-9)
2. extend the business model to other suitable applications (e.g. green building, upholstery, automotive)

STATE-THE-ART:

The reference process to be implemented and scaled up is the one developed by VEGEA srl, an Italian company that has developed an innovative circular process for the valorization of grape marc (waste from wine production) to produce vegan leather

Investments will focus on the entire value chain, from screening, selection and creation of a raw material supply chain to marketing and commercialization, with a focus on plant and process engineering



Next steps for building cooperation opportunities

Areas of expertise related to existing demo-cases

Key advanced competences at a glance

- Use of **secondary materials flows** in the **wood, pulp/paper process** industry for the production of high-added value products in **green construction**
- Biomass conversion technologies via **biorefinery**
- Design of **energy** and **quality-efficient compound** extraction technologies
- Solutions in renewable **bioenergy and biofuels production** from the conversion of biowaste
- Cascade use of agricultural and agri-food by-products for the production of **soil improvers**, including **biochar**
- Energy efficiency, **energy storage** and new technical solutions

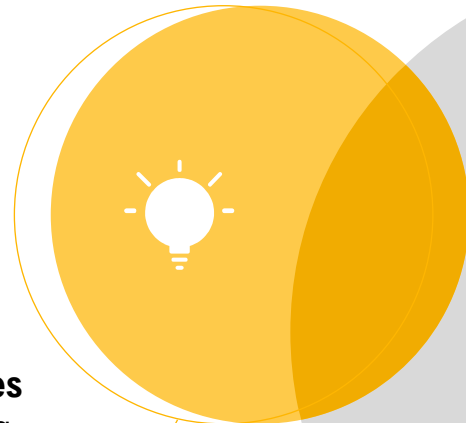
Immediately actionable initiatives

- Building a mailing **list of stakeholders** interested in the Pilot activity
- Subscribing to the **Pilot newsletter** to stay up to date
- Planning **periodic meetings** between stakeholders in the form of workshops and seminars
- **Getting in touch with demo-leaders** to evaluate possible synergies with existing plants to evaluate financing measures or research collaboration opportunities
- Reporting to the Pilot **mature plants at TRL 5 and beyond** that could become use cases for the Pilot

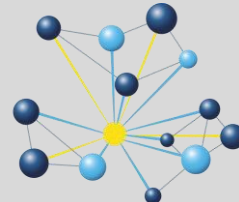
Bioeconomy Pilot's added-value and benefits

BENEFITS FOR REGIONS

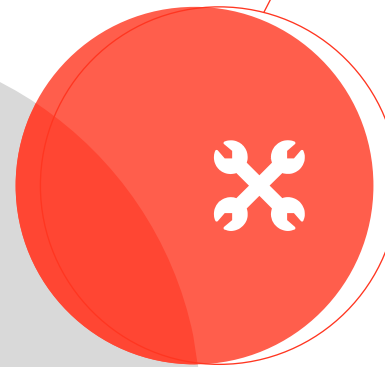
- Speed up innovative projects on an international scale
- Exchanging best practices for defining **joint funding schemes**
- Evaluate **trends** corresponding to local S3 priorities



BIOECONOMY PILOT

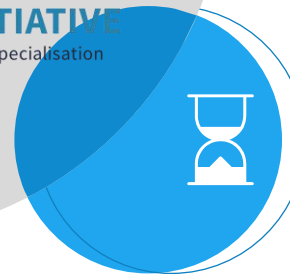


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BENEFITS FOR INDUSTRIES

- Identify regional opportunities that offer investment opportunities for bio-based and associated **financial incentives**
- Establish relationships to build **new demos** and **maximize the impact** of existing projects.
- Attract **private investors** on flagship projects.

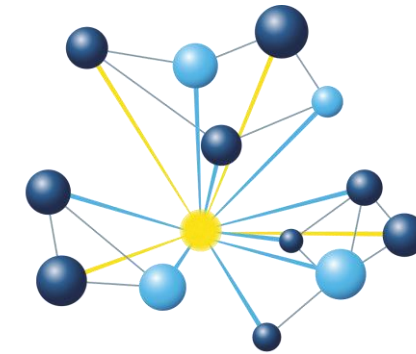


BENEFITS FOR POLICYMAKERS

- Sharing tools and implementing **services to support SMEs** and large companies
- Support the regions in the construction of **inter-regional strategies and roadmaps**
- Support green transition by creating **synergies and cross-sector alliances**.

Contacts

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