



BBioNets



Boosting the adoption
of Bio-Based Technologies



Project Overview



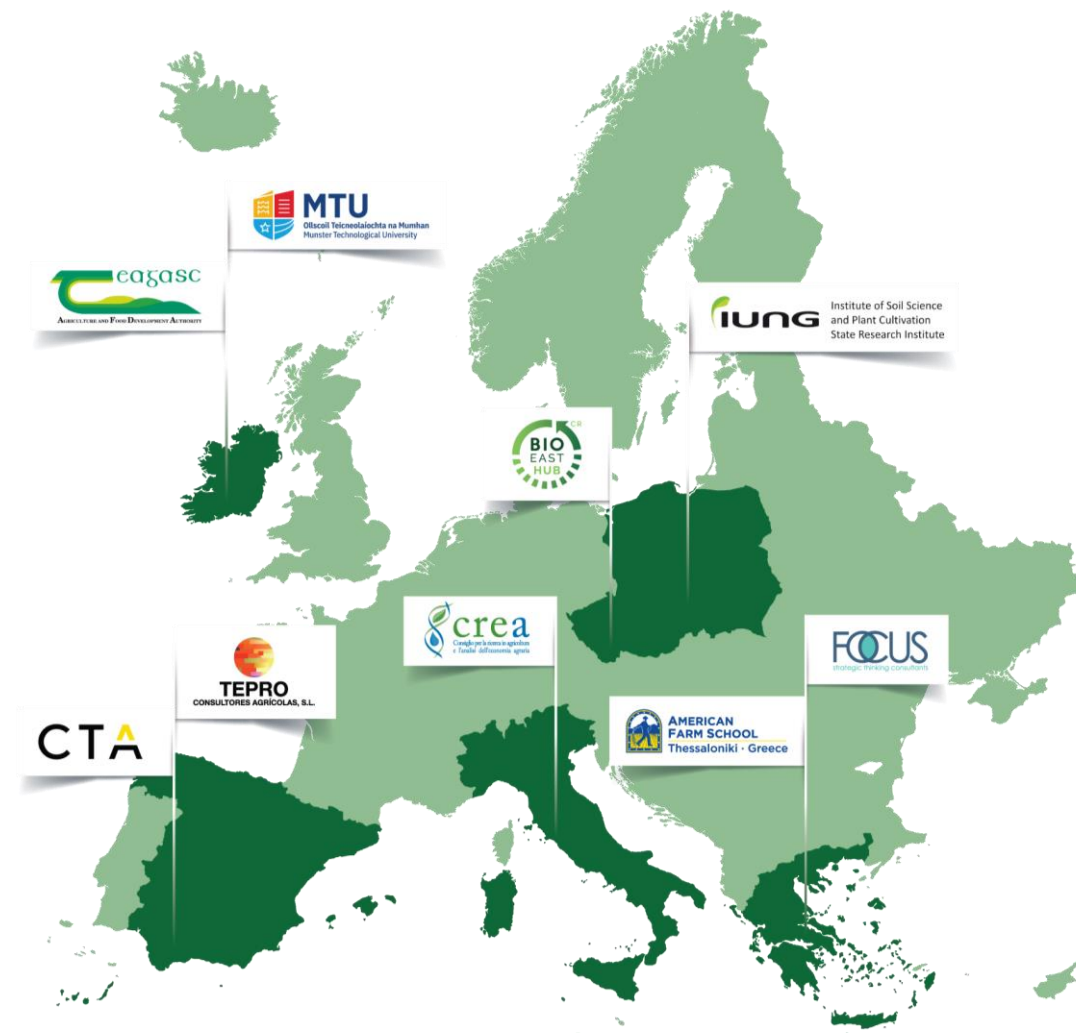
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BBioNets in a nutshell

Title	Creation and promotion of Forest and Agriculture Networks to boost Bio-Based Technologies adoption and Value Chain development (GA No 101133904)
Duration	36 months (1/11/2023 – 31/10/2026)
Project type	Coordination and Support Action
Programme	Horizon Europe – Cluster 6
Funding	1,998,636.20 €
Coordinator	Munster Technological University – Circular Bioeconomy Research Group (IE)
Partners	9 entities from 6 EU countries (Ireland, Spain, Greece, Italy, Poland, Czech Republic)

BBioNets partners

1. Munster Technological University (**MTU**)
2. Agriculture and Food Development Authority (**TEAGASC**)
3. Council for Agricultural Research and Economics (**CREA**)
4. Institute of Soil Science and Plant Cultivation – State Research Institute (**IUNG**)
5. Technological Corporation of Andalusia (**CTA**)
6. American Farm School (**AFS**)
7. TEPRO Consultores Agrícolas SL (**TEPRO**)
8. FOCUS Strategic Thinking Consultants (**FOCUS**)
9. BIOEAST HUB CR (**HUB-CR**)



Context

In 2019 agriculture generated 17% and forestry 2% of the total **turnover** in the EU bioeconomy, lagging far behind the food and beverage sector (46%) or forest-based industry (9%) turnover.



Most **jobs** in the EU bioeconomy were generated by the primary sector with a share exceeding 50%, compared to food and beverage (26%) and the forest-based industry (10%).

Primary production is neither involved in the early stage of **supply chains** planning nor able to have a share in the economic revenue.



The primary sector **lacks know-how, competences** and **experience** in managing biomass residues and processing generated co-products, as shown by several studies.

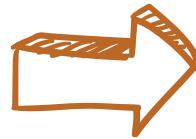


***BBioNets** aims to **boost** agricultural and silvicultural economic growth - environmentally sustainable technological diversity is needed.*

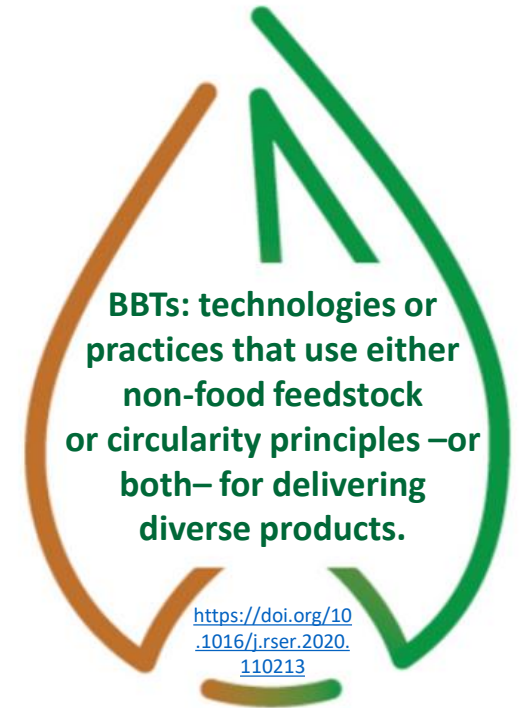
Rationale

BBioNets will constitute a **thematic network** that will rely on, promote, and further advance the work carried out by **EIP-AGRI Operational Groups (OGs)** with respect to management and/or processing of agricultural and forest biomass with **Bio-Based Technologies (BBTs)**.

Operational Groups are intended to bring together multiple actors such as farmers, researchers, advisers, businesses, environmental groups, consumer interest groups or other NGOs to **advance innovation** in the agricultural and forestry sectors.



Knowledge transfer of EIP-AGRI OGs to farmers and foresters that have developed BBTs.



BBioNets value proposition

Key pillars:

1. Promote and further advance the work carried out by EIP-AGRI Operational Groups (OGs)
2. Foresee the active involvement of OGs' representatives in all project activities
3. Ensure that 'all voices are heard', including the environment (Quintuple Helix model)
 - Engaging women, young farmers, unemployed and low income people, 'silent non-participating' actors, etc.
4. Set up regional Forest and Agriculture Networks (FANs) as a supporting/enabling/validation mechanism
5. Facilitate cross-fertilisation of knowledge across several European Transnational Regions (ETRs)

BBioNets Objectives



1. Set up regional Forest and Agriculture Networks (FANs)



2. Match BBTs to regional dynamics and potential



3. Raise awareness and increase capacity of AKIS actors



4. Secure long-term sustainability of project outcomes

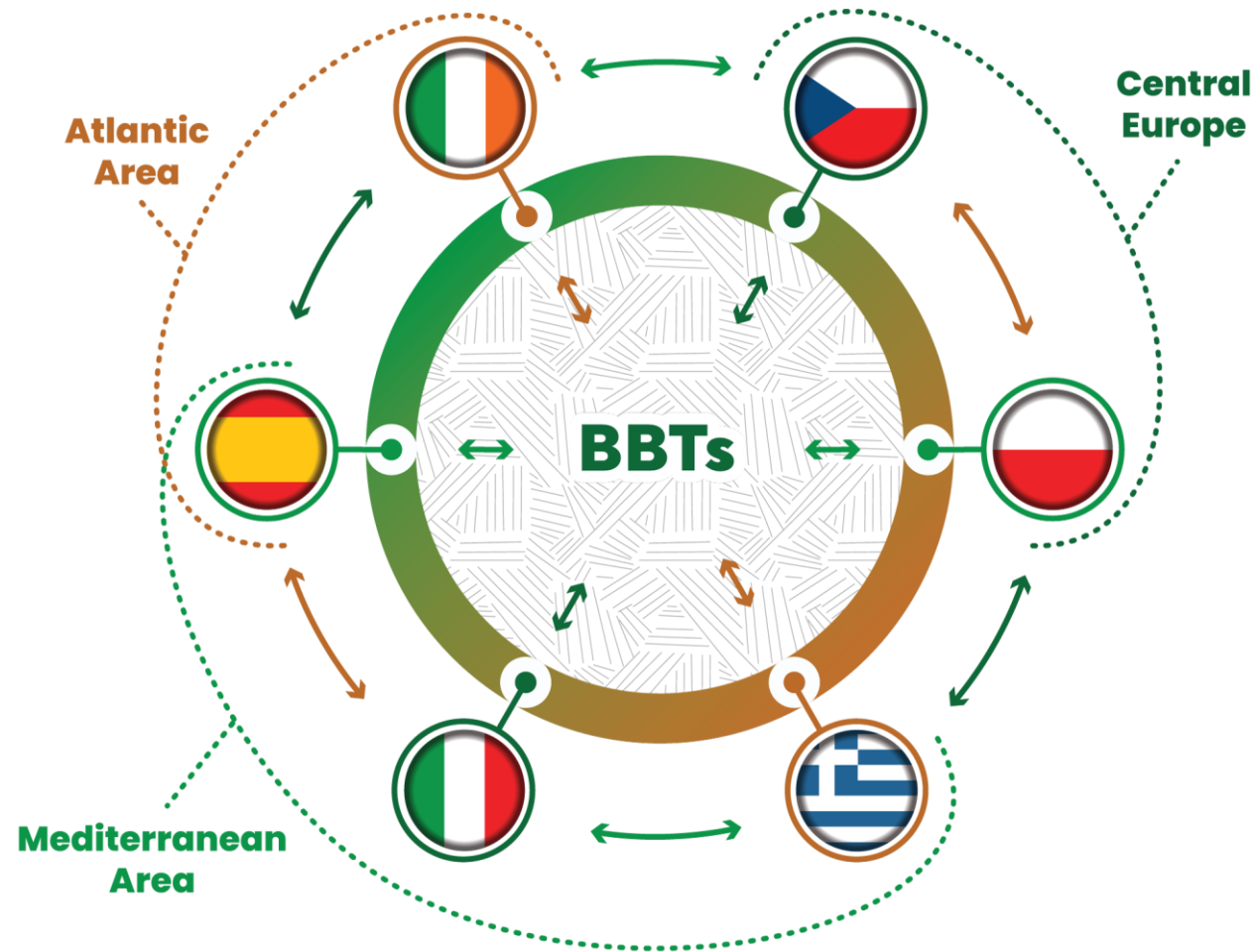
Objectives (1/4)

1. Set up regional Forest and Agriculture Networks (FANs)

- Form small multi-actor regional **teams**, with emphasis on the involvement of **farmers/foresters**.
- Co-create their “**Operational model, vision and action plans**”.
- Facilitate and support their activities to:
 - Identify the most **urgent needs** of farmers/foresters regarding the integration of BBTs in their operations
 - Determine the most consulted **dissemination channels** in each region
 - Validate the **cost-effectiveness** of the identified BBTs and assess their feasibility in each region
 - Support the implementation of **knowledge transfer** activities at
 - ✓ *Regional level*
 - ✓ *Cross-regional level – European Transnational Regions*
 - ✓ *European level (including Northern Europe)*



European Transnational Regions - ETRs



Objectives (2/4)

2. Match BBTs to regional dynamics and potential

- Create an **inventory** of BBTs
- Develop a BBTs **assessment tool** using both qualitative and quantitative variables
- Screen **regional dynamics** to
 - Describe **current practices** in relation to OG-identified and locally applied BBTs
 - Understand the **awareness level** in terms of biomass valorisation
 - Analyse the regional **maturity level** and **potential**
- Develop:
 - **“Reference” scenarios** based on current status (beginning of the project)
 - **“Region-specific” scenarios** – most suitable BBTs for each region (*“Roadmaps of BBTs implementation”*)



Objectives (3/4)

3. Raise awareness and increase capacity of AKIS actors

- Prepare **educational and training material** (*translated whenever relevant*)
 - Practice Abstracts, infographic & factsheets, 'storytelling' video testimonials, BBT-descriptive videos
- Develop an **online knowledge platform**
- Implement a wide variety of activities to foster further acceptance and adoption of BBTs

At regional level

- **info-days** to promote the OG concept and make widely known region-relevant BBTs
- **'Train-the-Trainer' workshops** to exchange experiences, solutions, concerns, ways to overcome barriers
- **small-scale mentoring** to boost potential collaborations and understanding of BBT specifics

At European level

- **online capacity building seminar** to share BBioNets outputs and promote future OG creation



Objectives (4/4)

4. Secure long-term sustainability of project outcomes

- Apply the '*BBioNets for everyone*' principle
 - Engage women, young farmers, unemployed, 'silent non-participating' actors, etc.
- Involve **policy makers** in all stages
 - FANs operation
 - Policy workshops
 - Recommendations and lessons learned
- Establish **collaborations** with:
 - similar EU-funded projects
 - ongoing and future OGs
 - EIP-AGRI interactive knowledge platform ([EU-FarmBook](#))



Expected outcomes

- **Regional Forest and Agriculture Networks**
 - *including a FAN operational framework and 6 'case studies'*
- **BBTs online assessment tool**
 - *cost-effectiveness analysis of BBTs*
- **BBTs online inventory**
 - *list of BBTs applied/identified by OGS and/or EU-funded initiatives/projects*
- **Reports on regional dynamics**
 - *current state of farming practices, awareness and maturity*
- **Roadmap for BBTs implementation in each region**
 - *most suitable BBTs for each region*
- **Online knowledge platform**
 - *open access to all material produced*
- **Training and educational material**
 - *factsheets, practice abstracts, videos, infographics*
- **Policy recommendations on the uptake of BBTs at farm/forest level**
 - *at national & EU level*
- **Guidelines to enhance collaboration with OGS**

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