



POWER4BIO

REGIONS FOR
BIOECONOMY

em**POWER**ing regional
stakeholders for realising
the full potential of
european **BIO**economy

www.power4bio.eu

POWER4BIO AT A GLANCE



Empowering EU regions
for maximising the use of
under-used resources



Support regional stakeholders to
take decisions in the transition to
the bioeconomy era



Develop and update **regional
bioeconomy strategies** in
10 regions across the EU



Develop a catalogue of bio-
economy solutions, best practices
and business models adapted to
regional needs



ABOUT POWER4BIO

The bio-based economy is a powerfully emerging sector with huge potential, moving roughly €2 billion and providing employment for almost 22 million people across Europe. Nevertheless, there are still many European regions that do not take full advantage of their potential in yielding sustainable products instead of fossil-based resources.

POWER4BIO aims at empowering regional stakeholders to boost the transition towards bioeconomy regions in Europe by providing them with the necessary tools, instruments and guidance to develop and implement sound sustainable regional bioeconomy strategies.

All the project developments will be validated by 10 participant regions, which will make the results reliable and easy to be replicated in other European regions.

As a result of **POWER4BIO**, new regional bioeconomy strategies and roadmaps will be developed in five Central and Eastern European regions and already existing regional bioeconomy strategies will be reviewed in five Western and Southern European regions.

Project data

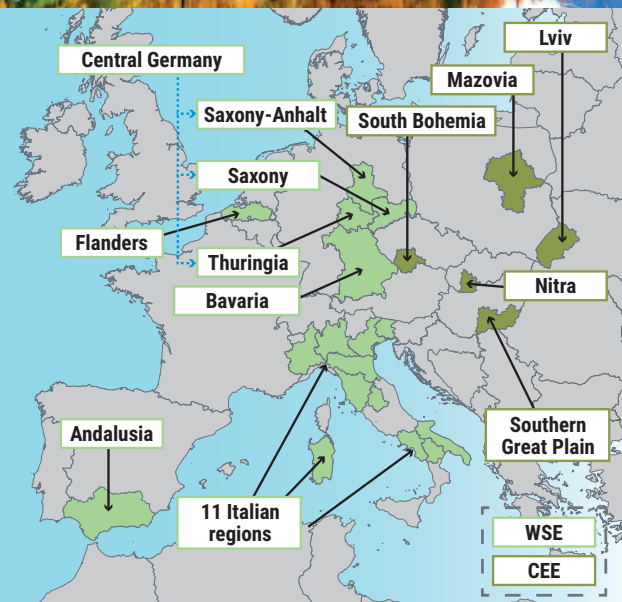
Duration:
October 2018 – March 2021

Budget:
€ 2.9 M

Partners:
17 institutions from 11 countries



POWER4BIO REGIONS



The activities in **POWER4BIO** are taking place in ten regions of nine countries: five regions from **Western and Southern Europe** with medium to very high bioeconomy maturity and five regions from **Central and Eastern Europe** with low to medium bioeconomy maturity. Two more instrumental elements are part of the project: raw material availability and the status of the respective bioeconomy strategies.

Region	Bioeconomy maturity	Bioeconomy strategy	Main feedstock available
Southern Great Plain (HU)	Low	No	
Mazovia (PL)	Medium-low	No	
Nitra (SK)	Low	No	
South Bohemia (CZ)	Medium-low	No	
Lviv (UA)	Low	No	

Regions from Central and Eastern Europe and their bioeconomy potential.

Region	Bioeconomy maturity	Bioeconomy strategy	Main feedstock available
Andalusia (ES)	Medium	Yes	
Bavaria (DE)	Very high	Under development	
Central Germany (DE)	High	At national level	
Flanders (BE)	Very high	Yes	
11 Italian Regions (IT)	Medium (in average)	At national level	

Regions from Western and Southern Europe and their bioeconomy potential.

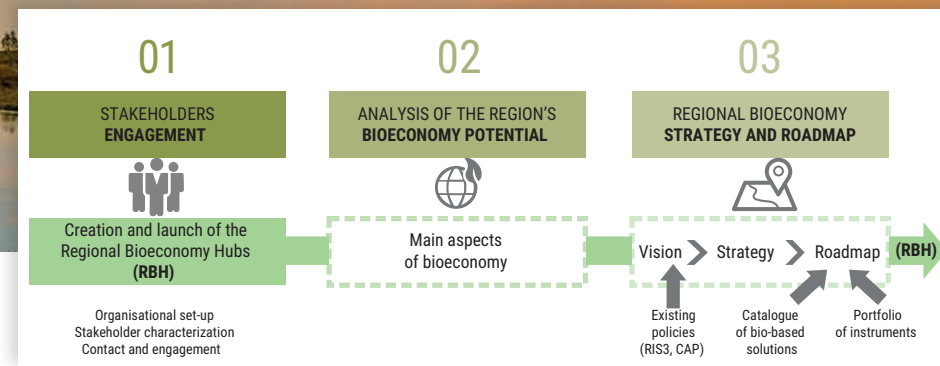
Agricultural residues Forest residues Municipal waste and waste water Aquatic-based feedstock Carbon dioxide

POWER4BIO METHODOLOGY

POWER4BIO will develop regional bioeconomy strategies and roadmaps in Central and Eastern European regions through Regional Bioeconomy Hubs. Western regions with existing strategies will be supported to realise the full potential of their bioeconomy to overcome barriers and meet the established targets. A sound analysis of the bioeconomy potential of the participant regions will be conducted to develop a shared regional bioeconomy vision.

A set of reports and tools will be developed to facilitate the analysis of the bioeconomy potential at regional level:

- **Catalogue:** The most relevant bio-refineries will be identified and displayed in a catalogue of bioeconomy solutions.



- **Business models:** Business models behind the bio-based solutions will be characterized and the most relevant policy and financial instruments available to regional authorities and stakeholders identified. Existing funding opportunities will be shared to create synergies among public and private funding especially on EAFDR instruments.
- **Online guideline:** To guide European regions in the development and implementation of bioeconomy strategies and roadmaps, a standardized and flexible methodology will be defined. A selected set of key performance indicators helps evaluating regional bioeconomies as part of the Bioregional Strategy Accelerator Toolkit (BSAT).

POWER4BIO ACTIVITIES AND OUTPUTS

Within the life span of **POWER4BIO**, five main outputs will be released:

Catalogue of mature technologies and business models	POWER4BIO will produce a catalogue of bio-based business models to support regions identify the most adequate bio-based solutions for their region. The catalogue will focus on technologically mature solutions for inspiration, suitable to be deployed at small-scale in rural areas.
Regional Bioeconomy Hubs	Central and Eastern European regions will set up Regional Bioeconomy Hubs (RBHs) where key regional stakeholders will collaborate to develop a bioeconomy strategy for their region and its eventual implementation.

The project will develop new bioeconomy bridges between regions by fostering a dialogue with POWER4BIO stakeholders. Long-lasting and sustainable cross-regional cooperation networks are envisioned.	New bioeconomy bridges between regions
In total, ten open cross-visits will be organized, one to each of the POWER4BIO regions. POWER4BIO partners will also provide training and education programmes for regional stakeholders.	10 cross-visits and training programmes for regional stakeholders
The Bioregional Strategy Accelerator Toolkit (BSAT) will support European regions to prepare and review their regional bioeconomy strategy. It will integrate relevant bioeconomy tools and include support material developed in POWER4BIO .	Bioregional Strategy Accelerator Toolkit



POWER4BIO CONSORTIUM

17 institutions from 11 countries are participating:



The POWER4BIO consortium at the kick-off meeting in October 2018.



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