



# POWER**4**BIO

REGIONS FOR  
BIOECONOMY

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

[www.power4bio.eu](http://www.power4bio.eu)

The bottom half of the image shows a lush, green landscape under a warm, golden light. In the foreground, there's a grassy hillside. A small, dark wooden barn is visible in the middle ground. The background features rolling hills and a large, bright sun low on the horizon, creating a lens flare effect. The sky is a mix of orange, yellow, and light blue.



**POWER4BIO**  
REGIONS FOR  
BIOECONOMY

## POWER4BIO AT A GLANCE



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



Support regional stakeholders  
to take decisions in the transi-  
tion to a bioeconomy era



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



Develop a **catalogue of business  
models** adapted to regional  
needs



## ABOUT POWER4BIO

**T**he 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

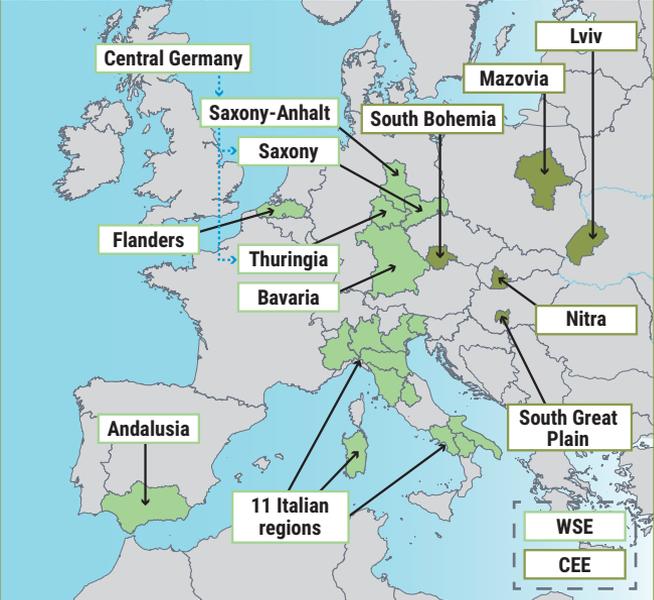
Duration:  
October 2018 – March 2021

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 maturity	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	

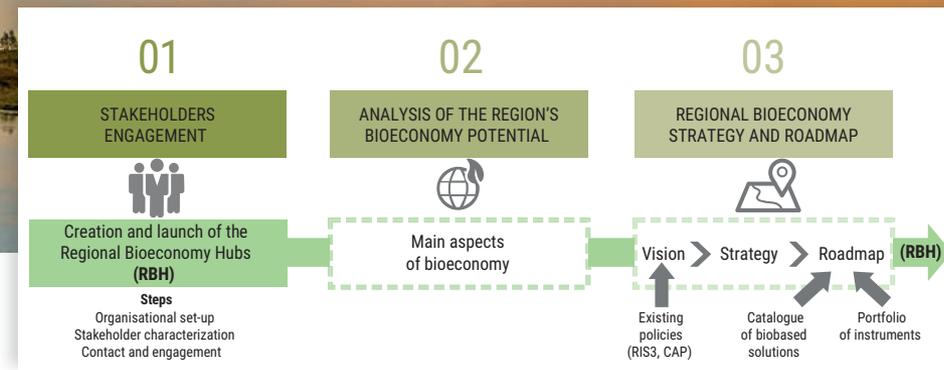
*Regions from Central and Eastern Europe and their bioeconomy potential.*

Region	Bioeconomy maturity	Bioeconomy maturity	Main feedstock available
Andalusia (ES)	Medium	Yes	
Bavaria (DE)	Very high	Under development	
Central Germany (DE)	High	At national level	
Flanders (BE)	Medium-low	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 and potential of the bioeconomy trend at regional level:

- **Catalogue:** The most relevant bio-refineries will be identified and detailed 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 and will lead to the development of the Bioregional Strategy Accelerator Toolkit (BSAT).

# POWER4BIO ACTIVITIES AND OUTPUTS

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

<b>Catalogue of mature technologies + business models</b>	<b>POWER4BIO</b> 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, particularly suitable to be deployed also small-scale in rural areas.
<b>Regional Bioeconomy Hubs</b>	Central and Eastern European regions will set up Regional Bioeconomy Hubs (RBHs) where key regional stakeholders will collaborate to develop of a bioeconomy strategy of the 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 will be created.

**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. It will integrate relevant bioeconomy tools and include support materials 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.



## CONTACT AND IMPRINT

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