



[www.scaleup-bioeconomy.eu](http://www.scaleup-bioeconomy.eu)

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**SCALE<sup>UP</sup>**  
community-driven  
bioeconomy development

Concepts, tools and  
applications for  
community-driven  
bioeconomy development  
in European rural areas

**SCALE<sup>UP</sup>**  
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**DEVELOPMENT OF A COMMUNITY-DRIVEN BIOECONOMY:**

The sustainability of bio-based innovations is a critical component that needs to be explored in the attempt to mainstream bio-based solutions in European rural areas. The transition towards sustainable, regenerative, inclusive and fair regional bioeconomies requires a comprehensive and functional framework that links bio-based solutions to rural development goals and principles of sustainable development. Building on this idea, SCALE-UP will support regional multi-actor partnerships, consisting of private businesses, governments and policymakers, civil society organisations, and researchers in identifying and scaling up innovative and sustainable bio-based value chains that build on regional resources.

**OUR GOALS:**

- Increased capacity of regional multi-actor partnerships to accelerate the development of marketable bio-based products and services.
- Strengthened collaboration between primary producers, SMEs, clusters, social actors, and policymakers.
- Improved knowledge about nutrient recycling potentials in regional bioeconomies.
- Increased awareness and understanding of the bioeconomy and its impacts on local communities.
- Sustainable, inclusive and just regional bioeconomy.

**French Atlantic Arc**

- Biomass streams: Hemp and other plant fibres
- Products/applications: Insulation, textile and chemicals

**Andalusia, Spain**

- Biomass streams: Olive kernels, pomace, flowers, wood, branches and leaves
- Products/applications: Biochemical compounds, essential oils, other bioactive compounds for cosmetics, chemicals, feed and biofertilisers

**Northern Sweden**

- Biomass streams: Sawdust, bark, logging residues and needles
- Products/applications: Heat and power, biofuels and chemicals

**Mazovia, Poland**

- Biomass streams: Apples pomace and prunings
- Products/applications: Fertilisers, new functional additives and bio-based packaging

**Upper Austria**

- Biomass streams: Residues from bakeries and breweries
- Products/applications: Protein from food waste, packaging from food waste and feed

**Strumica, North Macedonia**

- Biomass streams: Agricultural waste
- Products/applications: Compost, mycelium-based packaging and insulation materials

