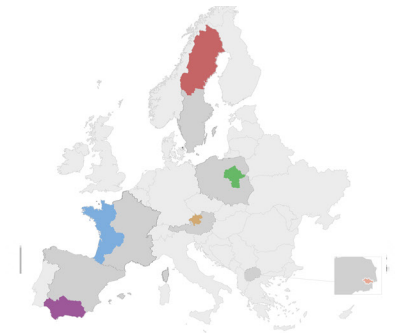




# SCALE<sup>UP</sup>



## Collaboration for a circular economy

To strengthen the bioeconomy, we work together with six countries in Europe to support partnerships between different actors. We identify and scale up innovative and sustainable bio-based value chains and we build a platform for the collaboration to live on after the project. Here follows a compilation of our contribution to our own region by working with the project SCALE-UP.

### BIOECONOMY PLATFORM

To make a long-term contribution to bioeconomic development in northern Sweden, we are now formalizing the network, Bioeconomy in the North. In this, we also involve thematic groups; regional strategists with responsibility for bioeconomy and the Wood Fuel Network. During the spring, we will start an R&D platform to strengthen our common ambitions in northern Sweden.



Christoffer Boman, Bio4Energy, Helena Nässlund, RISE, Magnus Matisons, Eva Fridman, BioFuel Region, Ulf Westerberg, Piteå Science Park, Linda Nyström, The Cluster of Forest Technology). The steering group also includes Dimitris Athanassiadis, Swedish University of Agricultural Sciences.

### ACCESS TO BIOMASS

We have made calculations on how much sawdust, bark and logging residues are available and how much of it is reasonable to take out. With the help of knowledge transfer and training, we will also contribute to solving challenges so that the handling of the cave becomes efficient and quality assured. We will spread this information using our networks.

### JOINT EXCHANGE OF EXPERIENCE

To increase knowledge of innovative ways of using biomass and to promote transnational exchange of experience, SCALE-UP is now conducting training courses. These are available in six European languages with the help of AI translation. BioFuel Region carried out the first three training sessions on the topic of biomass logistics. Upcoming themes are nutrient recycling, social innovations, bioeconomy strategies.

### SUPPORT FOR BIOINNOVATIONS

12 bioinnovations will receive support within the project. It can be about residues from the production of olive oil, apples, agriculture, forestry and the food industry.

We have chosen to support these in northern Sweden:

#### 1) To develop the value chain around birch bark

This innovative solution means that suberin extract from birch bark is used to produce fossil-free rubber. Here we support our new BioFuel Region member, RESELO.

#### 2) To develop the value chain around logging residues.

Knowledge from 20 years of cross-border cooperation with the Swedish University of Agricultural Sciences and Finland can now be used to strengthen the restart of cave management in northern Sweden. This is done in cooperation with buyers and sellers of wood fuel.

### STUDENT COMPETITION ON BIOECONOMY

To strengthen the knowledge of bioeconomy among young people, we design and implement a high school competition that suits our region. The winner will advance to face the other winners from the SCALE-Up regions.