AlpLinkBioEco

Linking BioBased Industry Value Chains Across the Alpine Region

Realization

HES-SO Fribourg
Prof. Andreas Fischer
andreas.fischer@hefr.ch

HES-SO Fribourg
Damien Goetschi
damien.goetschi@hefr.ch

Keywords

ŏ Alpine Region
ŏ Bio-Based Economy
ŏ Industry Value Chains
ŏ Linking Actors

Our skills

Big data, data science, natural language processing, actor classification, computer-supported generation of value chains
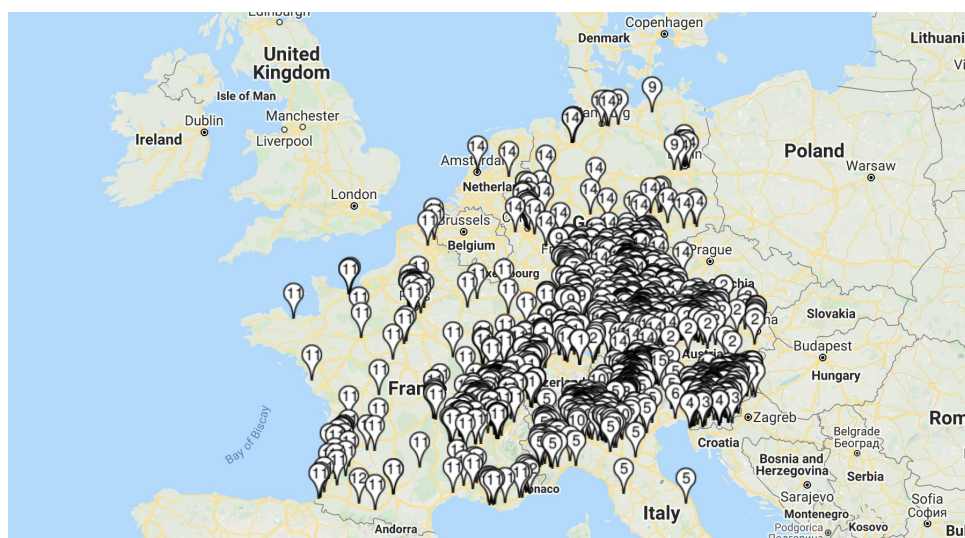
Valorization

Value chain generator for linking actors in bio-based economy

Partnership

ŏ PICC – HES-SO
ŏ Consortium of 14 European partners

Funding

Interreg EU

A missing holistic transnational/regional approach in the Alpine Space causes existing actors in the bio-based economy to operate disjointed. Relevant clusters operate disconnected, important value chains are not established especially for producing high value applications and products that address critical societal needs: circular economy, environmental sustainability, local employment and quality of life.

In this project, iCoSys has developed a computer-based support for linking actors in the Alpine Space and create new value chains in the bio-based economy. The **Value Chain Generator (VCG)** is based on a central database of actors that are described using NACE codes as well as more detailed input-process-output descriptors in natural language. By means of a web application, the VCG allows cluster managers to discover new biolinks and scale-up biolink ideas across the whole Alpine region.