



VANGUARD INITIATIVE
New growth through smart specialisation

Bioeconomy: interregional cooperation on innovative use of non-food Biomass

A Vanguard Initiative Pilot Project

Vision

The Vanguard Initiative Bio-economy pilot project aims to promote the development of new biobased value chains in Europe, by taking pilot and demonstration activities, often at regional level or within neighboring regions, to a higher interregional level, thereby creating more critical mass, exploiting complementary assets and accelerating technological developments.

Pilot project added value

The Vanguard Initiative invites all relevant EU actors active along biobased value chains to connect to actors from other regions and to explore how the combination of different strengths can lead to a faster deployment of new technologies. Potential benefits of new interregional partnerships include exploiting complementarities (e.g. mastering of different value chain positions, technologies, etc.), the pooling of scarce R&D&I resources, the opening and sharing of specialised infrastructure, the access to a larger community of end users, sharing good practices, jointly addressing non-technological issues (e.g. standards), etc.



Image source: Brabantse Ontwikkelings Maatschappij

Demo cases currently under development

- Biobased Aromatics
- Lignocellose Refinery: European value chains for second generation sugar and lignin
- Turning waste-gas into value
- Bio-aviation fuel
- Food and feed ingredients from algae
- Food and Feed ingredients from Agrofood Waste

Achievements

Implementing a well-established cooperation with neighbouring regions in North-Western EU, the Bio-aromatics demo case managed to collect regional and transregional resource to support the development of a transregional network of pilot and demo plants for the production of this highly interesting chemical substances. Within the Vanguard Initiative and with the support of the Watify Project, this network is now expanding to other regions, along different value chains.

Vanguard Initiative

Vanguard Initiative is a European network of industrial regions that seeks to speed up the market uptake of new technologies through the establishment of industry-led, cross regional joint-demonstration platforms. The network has initiated five thematic pilot projects to explore opportunities for developing interregional joint-demonstration.



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Besides the pilot project on Bioeconomy, the other four pilot projects are:

- Advanced Manufacturing for Energy Applications in harsh environments
- Efficient and Sustainable Manufacturing
- High Production through 3D-printing
- New Nano-Enabled products

Contact details

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