



VANGUARD INITIATIVE
New growth through smart specialisation

Bio-Economy: 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, thereby creating more critical mass, exploiting complementary assets and accelerating technological developments.



Image source: Brabantse Ontwikkelings Maatschappij

What's in it for me?

The Vanguard Initiative invites all relevant EU actors active in bio-based value chains to connect with actors from other regions 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 different value chain positions, technologies, etc.), pooling scarce R&D&I resources, opening and sharing specialised infrastructure, access to a larger community of end-users, sharing good practices, jointly addressing non-technological issues (e.g. standards), etc.

Democases currently under development

- Biobased aromatics
- Lignocellulose refinery: European value chains for second-generation sugar and lignin

- Turning (waste)gas into value
- Biogas beyond energy
- Aviation biofuel
- High value food and feed from agro-food Waste
- Food and feed ingredients from Algae

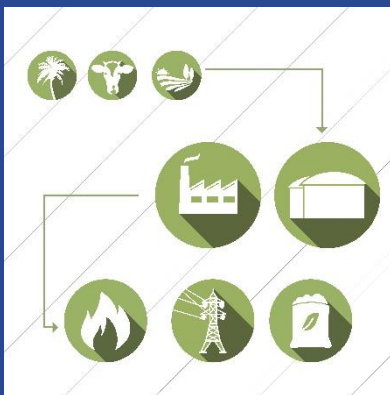


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Vanguard Initiative

The Vanguard Initiative is a European network of industrial regions seeking 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.

Besides the pilot project on Bio-Economy, the other four pilot projects are:

- Advanced Manufacturing for Energy-Related Applications in Harsh Environments
- Efficient and Sustainable Manufacturing
- High Performance Production through 3D-printing
- New Nano-Enabled products

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