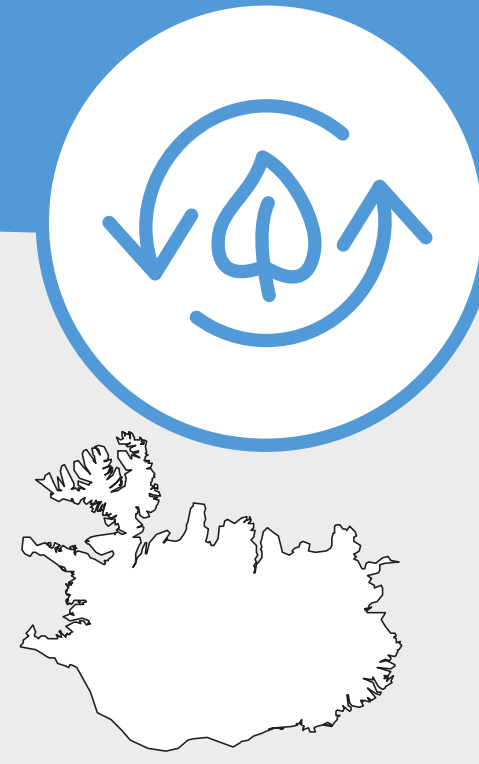


# Interregional partnership for Smart Specialisation on **INNOVATIVE USE OF NON-FOOD BIOMASS**

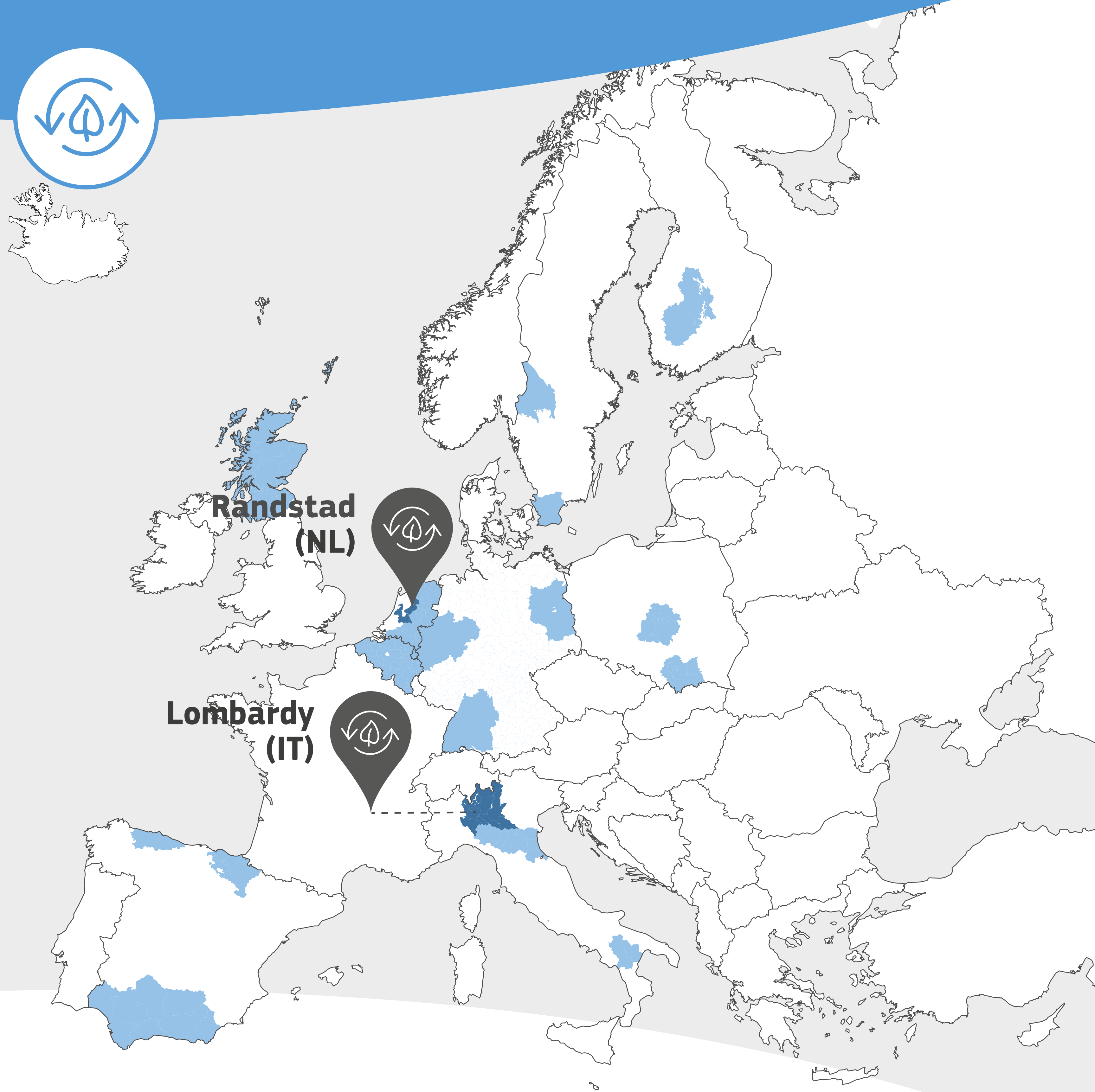


## Leaders

Led by **Lombardy (IT)** and **Randstad (NL)**, the partnership engages the participation of

**20** REGIONS AND MEMBER STATES

The aim of the partnership is the implementation of synergies in new bio-based value chains across regions based on their smart specialisations. Its goal is to develop new integral Bio-based value chains and new connections between sectors as chemistry, agro, wood & paper, cosmetics and energy, leading to new interregional business opportunities and co-investment through interregional cooperation and partnerships, exchange of information and ideas.



## Reference topics



### Lignocellulose Refinery

Production of bulk and fine chemicals and fuels from lignocellulose biomass. Set-up of a European value chain from lignocellulose to end products using biotechnology (refinery)



### Bio-based Aromatics

Creating interregional value chains and joint demonstrations on lignin valorisation to aromatics



### Biogas beyond Energy Production

Advancing the state of the art of biogas production towards more and higher value added outputs



### (Waste) Gas into Value

Turning C1 gas streams (from biogas production, biomass gasification or industrial emissions) into chemicals or fuels



### Bio Aviation Fuel

Promoting larger scale aviation biofuel production and interregional value chains



### Food & Feed from Agrofood Waste

Extracting functional foods and feed from different waste streams, such as fish, domesticated animals, cereals, fruit, and vegetables



### Food and Feed Ingredients from Algae

Extraction of high value products from microalgae for the food & feed sector



## Key factors

- 1 Pilot plans are needed to support companies -especially SMEs - in the uptake of state-of-the-art technologies for the global competitiveness of EU industry and societal challenges
- 2 The partnership participates in Vanguard initiative and includes about 100 stakeholders from 20 Regions
- 3 Industrial leadership: thematic areas are defined bottom-up by committed industrial stakeholders that identify inter-regional cooperation opportunities
- 4 Openness: the partnership is open to new regions and stakeholders that may propose complementary topics and industrial use cases (in the frame of Vanguard quality criteria)

