

A Public-Private Partnership (PPP) for *the biobased economy*

▶ **Enabling rural development and re-industrialisation**

The Biobased PPP “BRIDGE” - *Biobased and Renewables Industries for Development and Growth in Europe* - is about investing in Europe and its people. It is about creating jobs, tackling societal challenges with innovative biobased technologies, and using renewable resources and wastes to make high quality biobased products and materials. It is about revitalizing Europe’s industrial infrastructure, and developing rural areas through the creation of biorefineries, which are at the heart of the biobased economy.

▶ **Connecting farmers and foresters with consumers through locally sourced and produced goods and products**

BRIDGE is about creating local value chains and production processes. It is about bringing experts, researchers and SMEs across a variety of sectors together with farmers, foresters and industry to foster innovation. It is about overcoming the “Innovation Valley of Death” or BRIDGING research knowledge into high value products such as food, feed, chemicals, materials and fuels.

▶ **Accelerating the transition towards smart and efficient use of resources**

BRIDGE is about creating an infrastructure that can supply biobased chemicals, materials and advanced biofuels in a sustainable manner, without competing with food and feed production. It is about the smart use of renewable resources and wastes that reduce our dependence on fossil resources, opening the way for substantial CO₂ emission cuts. It is about sustainable growth and consumption.

▶ **Securing European competitiveness in the global biobased economy race**

BRIDGE is about European companies reinvesting in Europe. It is about Europe’s ability to compete with the US, China and other major economies that are heavily investing in the biobased economy. It is about Europe’s ability to convert R&D leadership into new products and new markets. It is about reaping the benefits of a global biobased market of €200 billion by 2020.

BRIDGE: a European partnership to lay down the **foundations**
of the **post-petroleum society**

BRIDGE – KEY FACTS

FOCUS

- **Feedstock:** foster a sustainable biomass supply with increased productivity and building new supply chains
- **Biorefineries:** optimise efficient processing through R&D and demonstrate their efficiency and economic viability at large-scale demo/flagship biorefineries
- **Markets, products and policies:** develop markets for biobased products and optimize policy frameworks

BENEFITS FOR EUROPE

- Develop the potential of waste as well as agriculture and forestry residues
- Diversify and grow farmers' incomes: up to 40% additional margins with existing residues
- Replace at least 30% of oil-based chemicals and materials with biobased and biodegradable ones (2030 target)
- Meet 25% of Europe's transport energy needs with advanced biofuels (2030 target)
- Create a competitive biobased infrastructure in Europe, boosting job creation, 80% of which will be in rural and underdeveloped areas
- Deliver biobased products that are comparable, if not superior to non biobased products in terms of price, performance, availability and environmental benefits
- The new biobased products resulting from BRIDGE will on average reduce CO₂ emissions by at least 50% compared to their fossil alternatives

A MAJOR PUBLIC AND PRIVATE EFFORT

- **€3.8 billion** investments in biobased innovation from 2014-2020 (Horizon 2020)
 - **€1 billion** of EU funds and **€2.8 billion** of private investments
 - Leveraging capital markets and additional private and public funds

FOUNDING PARTNERS

- **Private sector:** AbengoaBioenergia – ARD – Billerud - BioBase Europe - BioBased Innovations – Bioprocess Pilot Facility – BPF – Borregaard – Cargill - Chemtex Italia (Gruppo M&G) - Clariant Group – CLEA Technologies- CLIB2021 – Direvo - DONG Energy – DSM - Dutch Biorefinery Cluster – Essent – Fertiberia – Fibic – GFP – Holmen – IAR – IUCT – Kemira - Metsä Group – Mondi – Nordzucker - Norske Skog – Novamont – Novozymes – Repsol – Roquette – SAPPI – SCA - Smurfit Kappa – Södra – Solvay – Stora Enso – Südzucker – Unilever – UPM
- **Associations:** CEPI – EuropaBio – COPA-COGECA - Forest-based sector ETP – SusChem ETP - Cefic – European bioplastics – ERRMA – ESA – FoodDrinkEurope