





## **BBI**

Is H2020 Programme:

No

Short Description:

The Bio-Based Industries (BBI) Joint Undertaking is a new €3.7 billion Public-Private Partnership between the EU and the Bio-based Industries Consortium. Operating under Horizon 2020, it is driven by the Vision and Strategic Innovation and Research Agenda (SIRA) developed by the industry.

A strong European bio-based industrial sector will significantly reduce Europe's dependency on fossil-based products, help the EU meet climate change targets, and lead to greener and more environmentally friendly growth.

The key is to develop new biorefining technologies to sustainably transform renewable natural resources into bio-based products, materials and fuels. This nascent sector is expected to grow rapidly and create new markets and jobs, and is already attracting substantial investments in the US, China and Brazil. The EU has the industrial, research and renewable resources potential. It is now a matter of deploying it in a sustainable manner to compete in the global bioeconomy race.

### **Long Description**

The objectives of the Bio-Based Industries (BBI) Joint Undertaking are to contribute to a more resource efficient and sustainable low-carbon economy and to increasing economic growth and employment, in particular in rural areas, by developing sustainable and competitive bio-based industries in Europe, based on advanced biorefineries that source their biomass sustainably and in particular to: Demonstrate technologies that enable new chemical building blocks, new materials, and new consumer products from European biomass, which replace the need for fossil-based inputs; Develop business models that integrate economic actors along the value chain from supply of biomass to biorefinery plants to consumers of bio-based materials, chemicals and fuels, including through creating new cross-sector interconnections and supporting cross-industry clusters; and Set-up flagship biorefinery plants that deploy the technologies and business models for bio-based materials, chemicals and fuels and demonstrate cost and performance improvements to levels that are competitive with fossil-based alternatives.

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 bio-based products and optimise 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 bio-based and biodegradable ones by 2030.
- Create a competitive bio-based infrastructure in Europe, boosting job creation, 80% of which will be in rural and underdeveloped areas.
- Deliver bio-based products that are comparable and/or superior to fossil-based products in terms of price, performance, availability and environmental benefits.
- The new bio-based products resulting from the BBI will on average reduce CO2 emissions by at least 50% compared to their fossil alternatives.

See more at: <http://www.bbi-europe.eu>

Initial Year:

2014

Final Year:

2020

### **Countries**

Austria

Belgium

Bulgaria

Croatia

Czech Republic

Cyprus

Denmark

Estonia

Finland

France

Germany

Greece

Hungary

Italy

Ireland

Latvia

Lithuania

Luxembourg

Malta  
Netherlands  
Sweden  
Poland  
Portugal  
Romania  
Slovakia  
Slovenia  
Spain  
United Kingdom  
Albania  
Bosnia and Herzegovina  
Faroe Islands  
Iceland  
Israel  
Moldova  
Montenegro  
Norway  
Serbia  
Switzerland  
the former Yugoslav Republic of Macedonia  
Turkey  
Ukraine  
Maturity Level (TRL):  
3  
4  
5  
6  
7  
8  
Type of Funding:  
Grant Funding

