



Bio-based Industries
Joint Undertaking

BBI JU: The Bio-Based Industries Joint Undertaking

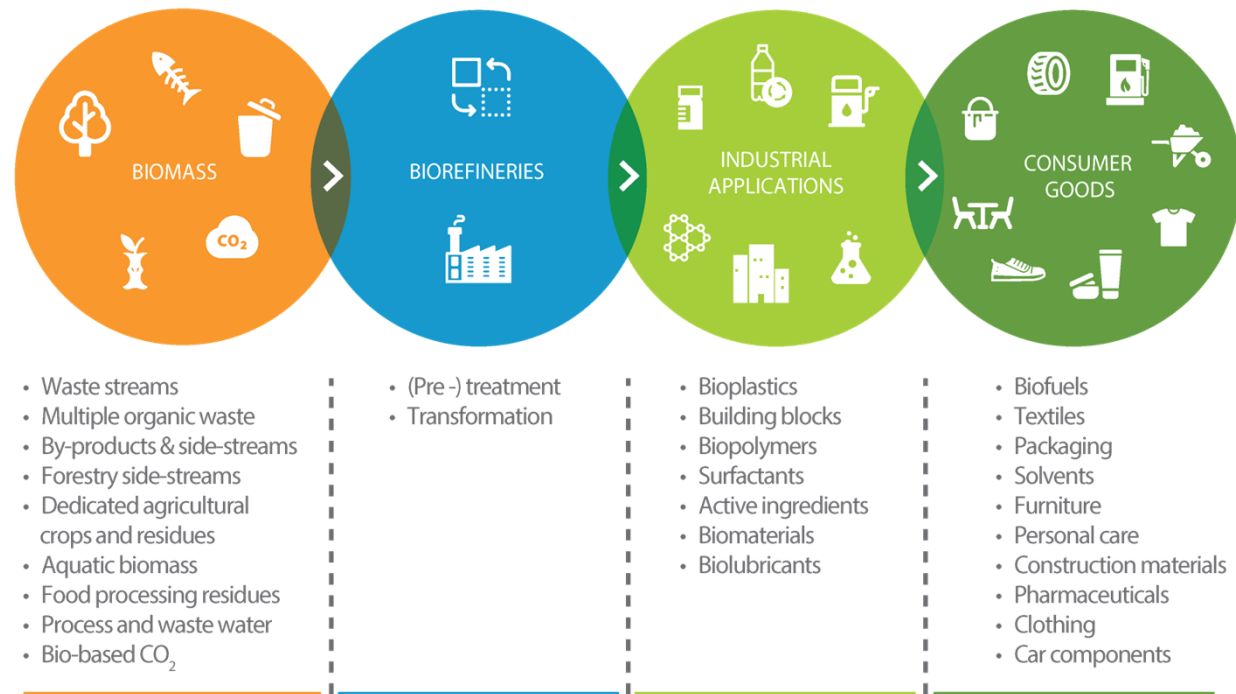
September 2021



Why was the Bio-based industries Joint Undertaking needed?

Bio-based industries value chains

represent 3.7 million jobs* and € 698 bn turnover* but are **extremely fragmented** between **actors** and across **geographies**



*Based on EUROSTAT figures 2015



Why was BBI JU needed? EU Bioeconomy strategy in 2012

European
public-private
partnership was
needed to:



Organise the value chains



De-risk investments



Bring critical mass to
this “emerging” sector



About BBI JU

- Public-Private Partnership (PPP) between European Commission & Bio-based Industries Consortium (BIC)
- EU body operating under Horizon 2020 rules
- Funding R&I projects from technology development to full scale





BBI JU objectives

Develop sustainable and competitive bio-based industries in Europe, based on advanced biorefineries that source their biomass sustainably by:

- 1. Demonstrating new technologies** to fill the gap in value chains
- 2. Developing business models** integrating all economic actors along the value chain
- 3. Setting up flagship biorefinery plants** deploying business models & technologies to keep investment in the EU

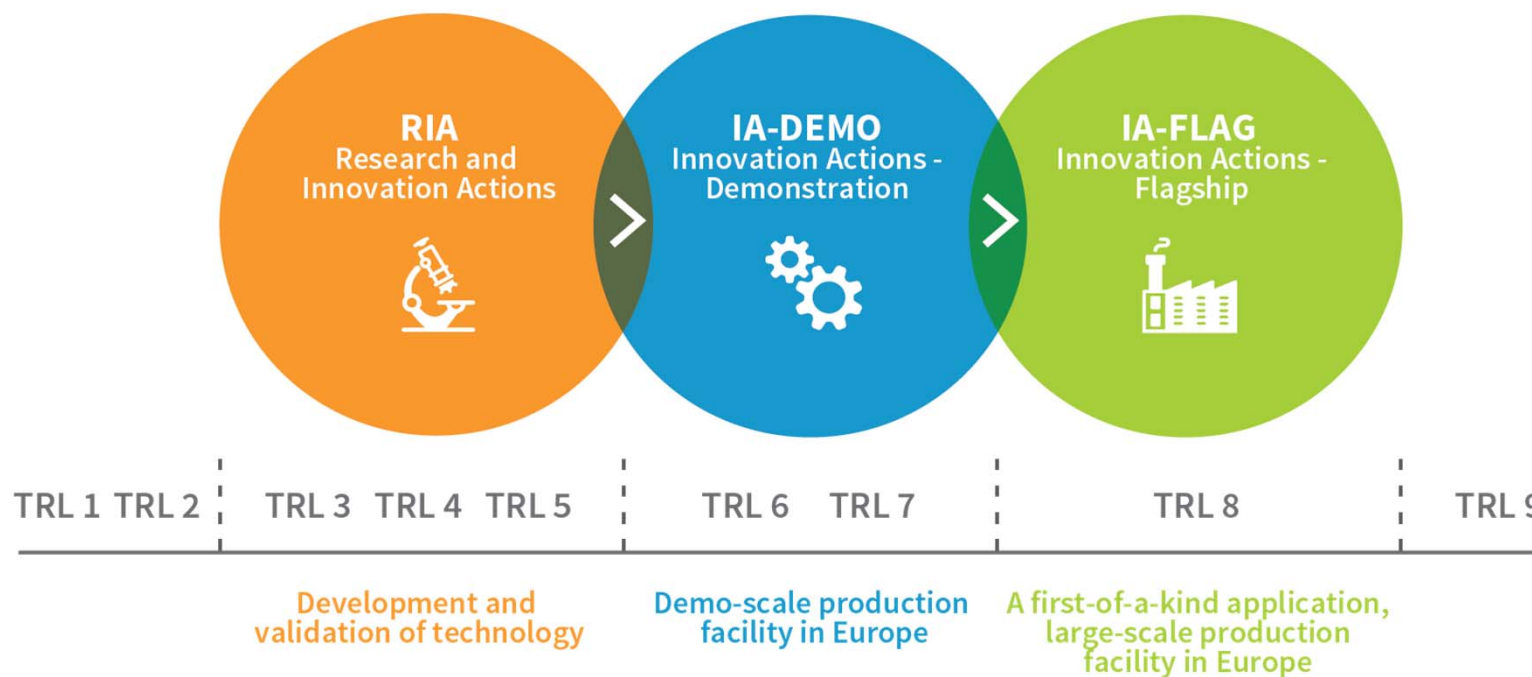
400.000 skilled jobs by 2020
rising to 700.000 skilled jobs by 2030



80% of which will be in rural areas



BBI JU types of actions



CSA

Coordination and Support Actions

- no link to TRLs*

*TRL = Technology Readiness Levels



Towards a European Green Deal: promoting a sustainable and circular bio-based sector



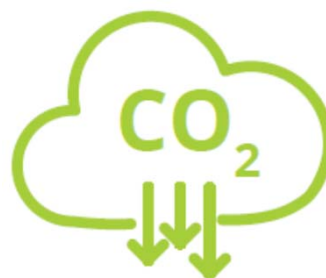
Replacing 25% of oil-based chemicals by 2030



Creating up to 700,000 green jobs by 2030 especially in rural and coastal areas



Drastically reducing EU's dependency on the import of strategic raw materials, such as protein (by 50%), phosphorus and potassium (by 25%)



Reducing greenhouse gas emissions by 50%



BBI JU key figures Call 2014-20



142 projects



1055 beneficiaries

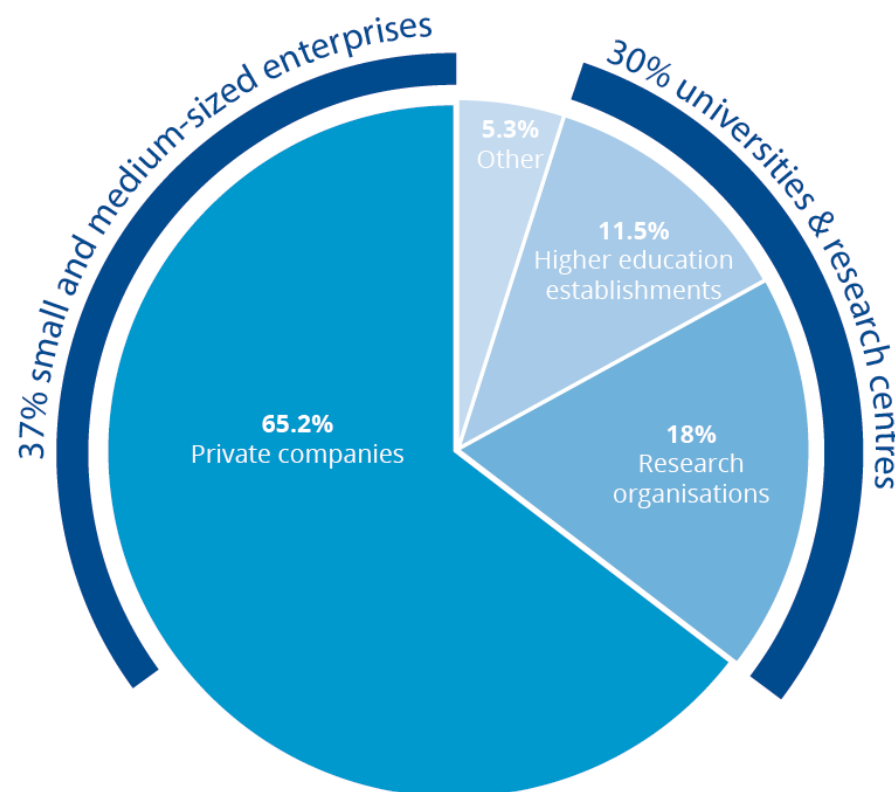


€822 million BBI JU funding



39 countries

BBI JU funding per type of beneficiary



Data: CORDA, June 2021

BBI JU flagship and Demo* projects



Flagship biorefinery



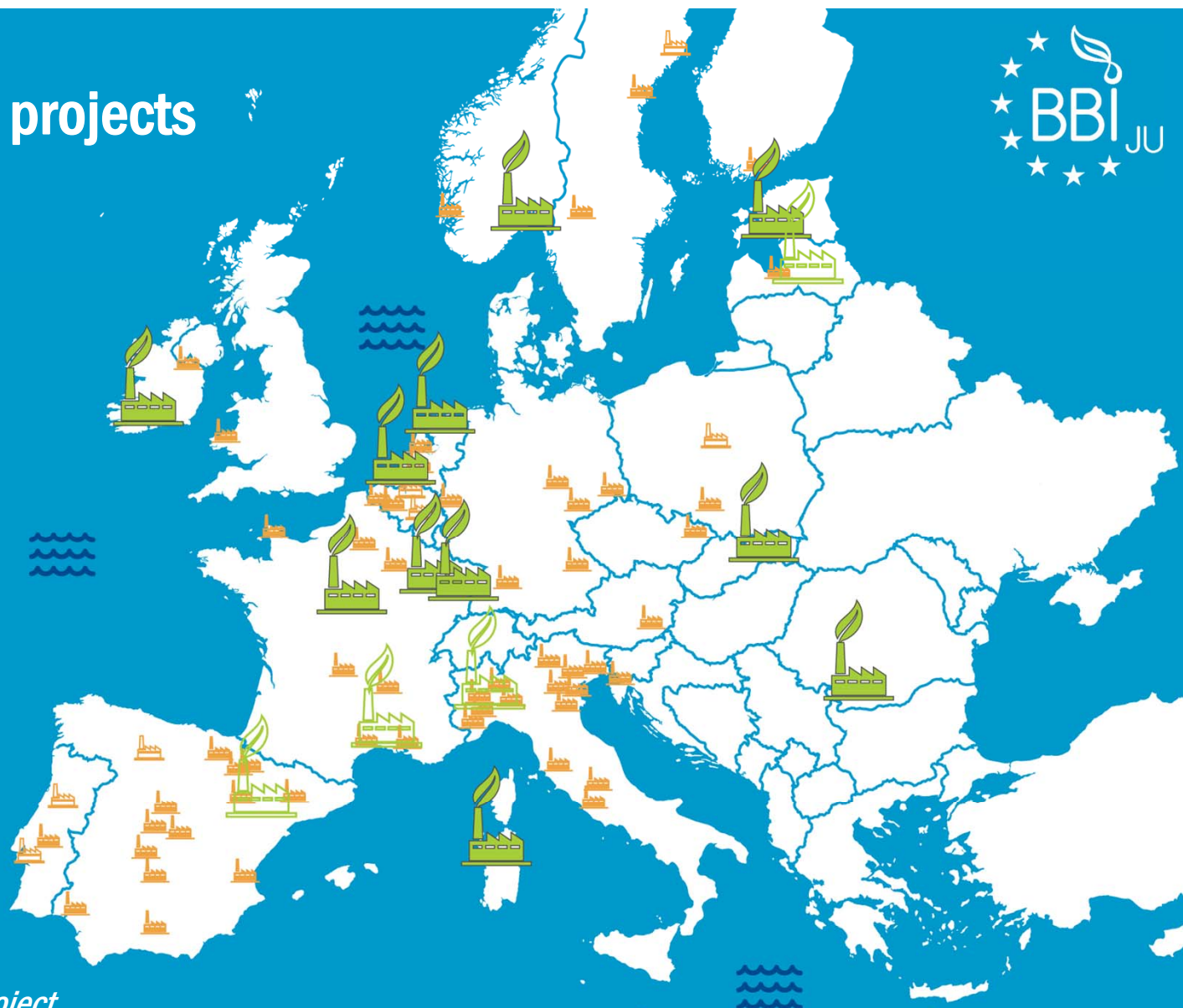
New flagship biorefinery
Call 2020



Demonstration plant



New demonstration plant Call
2020



**Demonstration plants are represented by the locations that receive the main investment in the project.*




AgriMax a success history on circularity


- Demo project which managed to build two Biorefineries
- By valorising the use of residues from crops and side-streams for the agro-food industry, contributing to the BBI JU goals.
- High potential of replicability in other areas.
- One of the novelties developed, the stakeholder platform, which has high potential to coordinate the provision of waste from many regional producers.



Thank you!

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