

#EUCircularTalks

Resource efficiency to help combat food waste



BBI JU

R&D&I funding combatting food waste

Dieter Brigitta - Project Officer

26 Oct 2021



- BBI JU: Why & What?
- Food waste as an input for bio-based outputs
- Case study: BBI JU projects
- Conclusions & next steps



- **Public-Private Partnership (PPP)** developing sustainable and competitive bio-based industries in Europe
- **Mission:** to implement, under Horizon 2020 rules, the Strategic Innovation and Research Agenda (**SIRA**) developed by the industry and validated by the EC.
- **Partners:**



- European Union (via EC)



- Bio-based Industries Consortium (BIC)



www.bbi-europe.eu



Biomass and organic waste

From the agro-based industries

- Feedstock originating from the agriculture and agro-food industries
- Agricultural crops such as flax, hemp and fibre
- Co-products, side streams, and residues from the agriculture, including animal manure and from the agro-food industries, including residues from food processing plants

From the forest-based industries

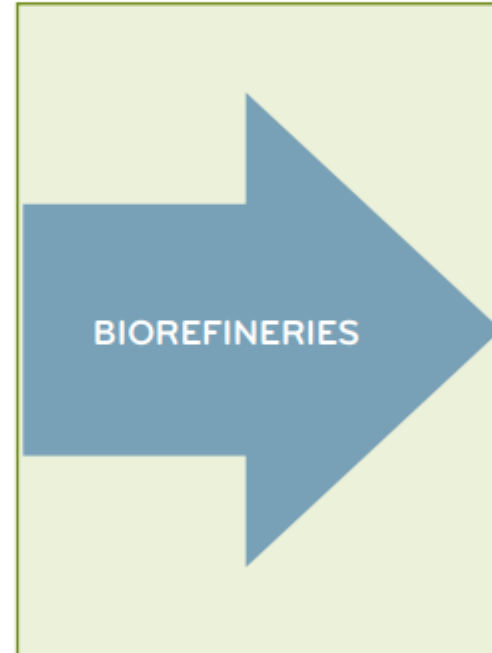
- Feedstock originating from the forest and forest-based industries
- 'Woody and non-wood forest feedstock'
- Co-products, side streams, and residues from the forest and forest-based industries, including the wood industry, saw mills, Paper and Pulp

From the aquatic-based industries

- Feedstock originating from the aquatic and aquatic-based industries, including aquaculture, the fish and fish processing industries
- Co-products, side streams and residues from the aquatic and aquatic-based industries

Bio-waste and CO₂

- Biodegradable garden and park waste
- Food and kitchen waste from households, restaurants, caterers and retail premises
- Waste water and sludge
- CO₂



Bio-based products & markets

- Bio-based chemicals
- Bio-based plastics, polymers, materials, packaging
- Specialties (for example bio-based surfactants, lubricants, pharmaceuticals, nutraceuticals, cosmetics)
- Textiles
- Food ingredients and feed
- Advanced biofuels

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Food Packaging

Reducing the amount of plastic food packaging with bio-based alternatives



BioCannDo and Allthings.bioPRO

- 10/2016-09/2019 and 09/2020-08/2023
- “Bioeconomy Awareness and Discourse Project” and “Game changer for the bio-based economy”
- 2 Coordination & Support Actions (CSAs) focused on better **communication** about bio-based products and their advantages
- <https://www.allthings.bio/sectors/food-packaging/>



BioBarr

- 06/2017-11/2021
- “New bio-based **food packaging materials** with enhanced barrier properties”
 - Low-cost
 - Eco-friendly / biodegradable
 - Increase shelf life with at least 10%
- Research & Innovation Action (TRL 3-5)
- <https://www.biobarr.eu/>





AGRIMAX

- 10/2016-09/2021
- “Agri and **food waste valorisation** co-ops based on flexible multi-feedstocks biorefinery processing technologies for new high added value applications”
- Innovation Action – Demonstration project (TRL 6-7)
- <http://agromax.iris.cat/> and <https://www.youtube.com/watch?v=UUCN01Pf4IE>

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MULTIFEEDSTOCK
BIOREFINERY



Food Additives
& Ingredients



Materials for
Agriculture



BioFertilizers



BioPackaging



BioChemicals & Additives
(including fibres)



BIOGAS





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<https://www.bbi.europa.eu/projects> (Call 2014-2020: 142 projects)



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Bio-based Industries Joint Undertaking: a €3.7 billion partnership between the EU and the Bio-based Industries Consortium

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BBI JU
2014-2020

- **BBI JU** – **B**io-**b**ased **I**ndustries **J**oint **U**ndertaking
- Part of Horizon 2020
- 142 projects, 1000+ unique beneficiaries across Europe & beyond
- Last BBI JU call for project proposals in 2020

CBE JU*
2021-2027

*legislative proposal

- **CBE JU** - **C**ircular **B**io-based **E**urope **J**oint **U**ndertaking
- Part of Horizon Europe
- Green light from the EC in Feb 2021, EP approval in Oct 2021, Council approval expected in Nov 2021
- Expected entry into force before end 2021

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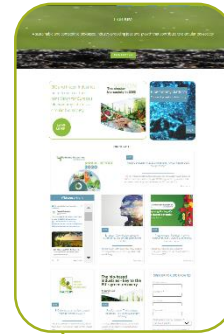
Timing of new calls?



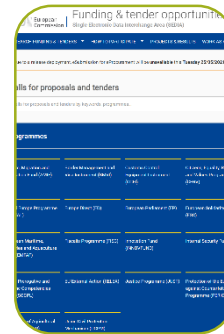
When will more information be available?



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Thank you!

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