Building public-private cooperation

The BBI JU project Agrimax

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Project Officer

BBI Joint Undertaking (BBI JU)?

- Public-Private Partnership (PPP) developing sustainable and competitive bio-based industries in Europe (°2014)
- Partners:
  - European Union (via EC)
  - Bio-based Industries Consortium (BIC)

- Mission: to implement, under Horizon 2020 rules, the Strategic Innovation and Research Agenda (SIRA) developed by the industry and validated by the EC.

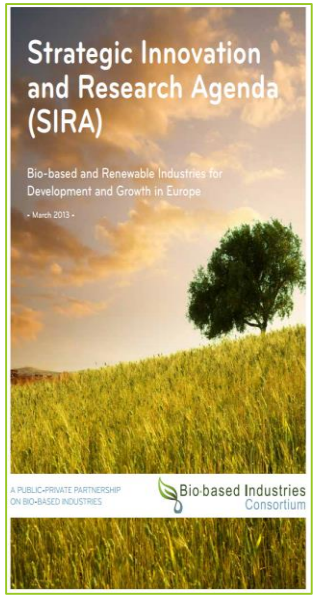
www.bbi-europe.eu

Updated SIRA

'Value Chains' (VC)

- Lignocellulosic
- Forestry
- Agro-based
- Waste
- 'Integrated'

Link with 'strategic approach to EU agricultural R&I' paper



(2013)

(2017)

'4 Strategic Orientations' (SO)

1. Feedstock
2. Process
3. Products
4. Market Uptake

E.g. **'Sustainable Primary production'**

Agri & food waste valorisation co-ops based on flexible multi-feedstocks biorefinery processing technologies for new high added value applications

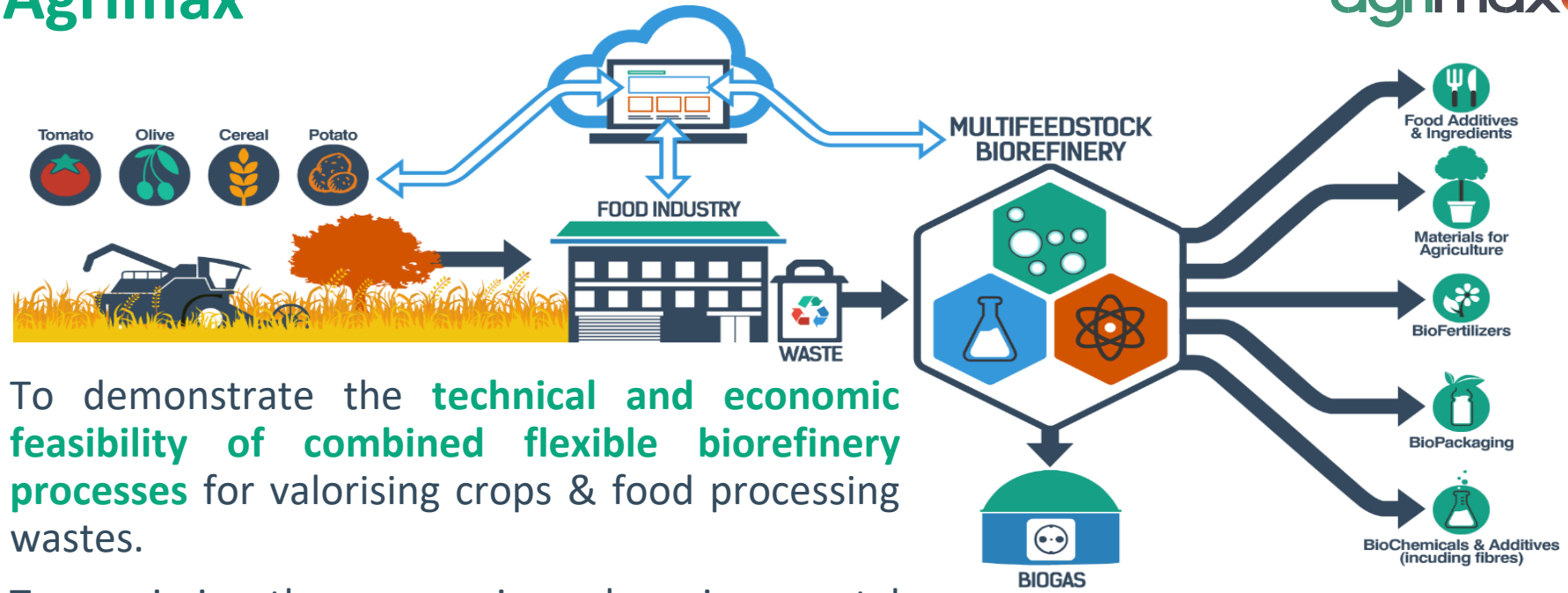
Horizon 2020
European Union funding
for Research & Innovation

BIO-BASED INDUSTRIES

Bio-based Industries Consortium

This project has received funding from the Bio Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement No. **720719**.

Agrimax



To demonstrate the **technical and economic feasibility of combined flexible biorefinery processes** for valorising crops & food processing wastes.

To maximise the economic and environmental sustainability of the EU **agricultural and food sectors** while providing new **products to the food, packaging and agriculture sectors**

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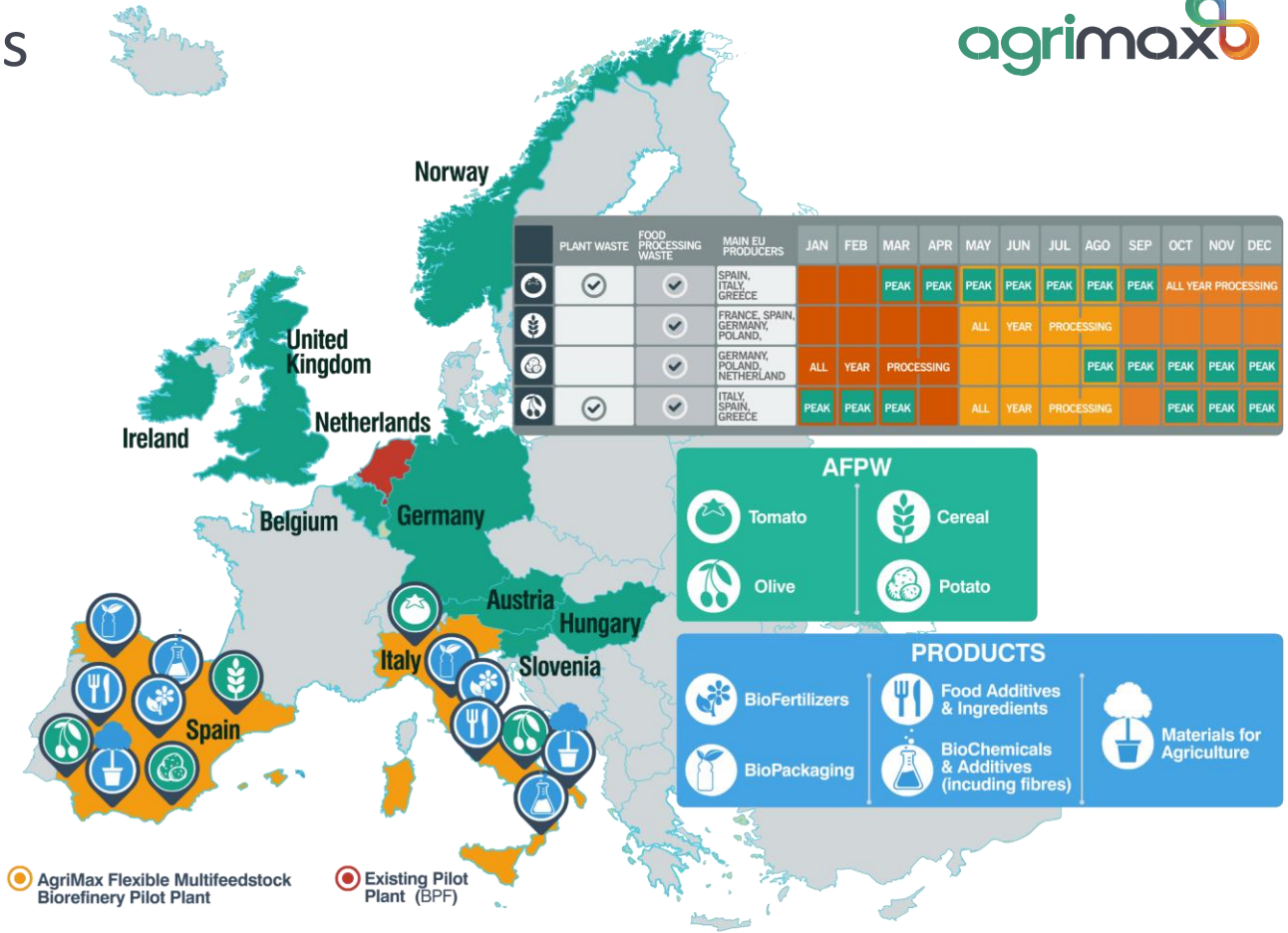
2 pilot biorefineries

Final products

- Safe & eco-friendly bio-packaging
- Healthier and functional food products
- Bio-based agricultural products (e.g. bio-degradable mulching films and pots, biofertilisers,…)



	PLANT WASTE	FOOD PROCESSING WASTE	MAIN EU PRODUCERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DEC
	✓	✓	SPAIN, ITALY, GREECE			PEAK	PEAK	PEAK	PEAK	PEAK	PEAK	PEAK	ALL YEAR PROCESSING		
		✓	FRANCE, SPAIN, GERMANY, POLAND,					ALL	YEAR	PROCESSING					
		✓	GERMANY, POLAND, NETHERLAND	ALL	YEAR	PROCESSING					PEAK	PEAK	PEAK	PEAK	PEAK
	✓	✓	ITALY, SPAIN, GREECE	PEAK	PEAK	PEAK		ALL	YEAR	PROCESSING			PEAK	PEAK	PEAK

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BBI JU Calls 2014-2017

- Mainly positive experiences…
  - Use of Horizon 2020 terminology and IT applications (Participant Portal) => clarity for applicants
  - Collaborative feedback from:
    - Industry & other BIC members (research organisations, universities,…) → *topics in line with real industrial needs*
    - EC (Mainly DGs RTD, AGRI, GROW) → *EU perspective*
    - BBI JU's advisory bodies (States Representatives Group and Scientific Committee) → *scientific & state inputs*
  - Outreach / contact / synergies with SPIRE, EIB, NCPs,…
  - Leverage effect (€ 3,7 billion budget, ± 75% 'private' contributions)
  - Confirmed by interim evaluation dd. 10/10/2017

BBI JU Calls 2014-2017

- …but also some challenges
  - (Human) resources
    - On-going projects: 10 in 2015, 82 by mid-2018
    - Increased participation (e.g. Call 2016 vs. Call 2017: +45% # proposals) → declining success rate
  - Continued collaboration / search for synergies
- Recommendations / questions for the future
  - New BBI developments → future SIRA updates?
  - How to stimulate dissemination, exploitation & communication?
  - (How to) efficiently provide policy inputs?
  - How to align BBI JU (even more) with Agricultural R&I agenda?
  - 'BBI JU 2.0' (Calls after 2020?)?

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