



Specificities of BBI JU calls



Where to find the information?

- **Key documents:**

<http://www.bbi-europe.eu/participate/calls-proposals-2019>

- **BBI JU 2019 Annual Work Plan**
- **BBI JU Guide for Applicants (GfA)**
- **Frequently Asked Questions document**
- **Templates**

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⇒ **More information:** Helpdesk@bbi.europa.eu and contact on <https://www.bbi-europe.eu/contact>

Dates of BBI JU calls

- End of December: publication of the Annual Work Plan
- 4th of April 2019: opening of the call
- 4th of September 2019: closing of the submissions

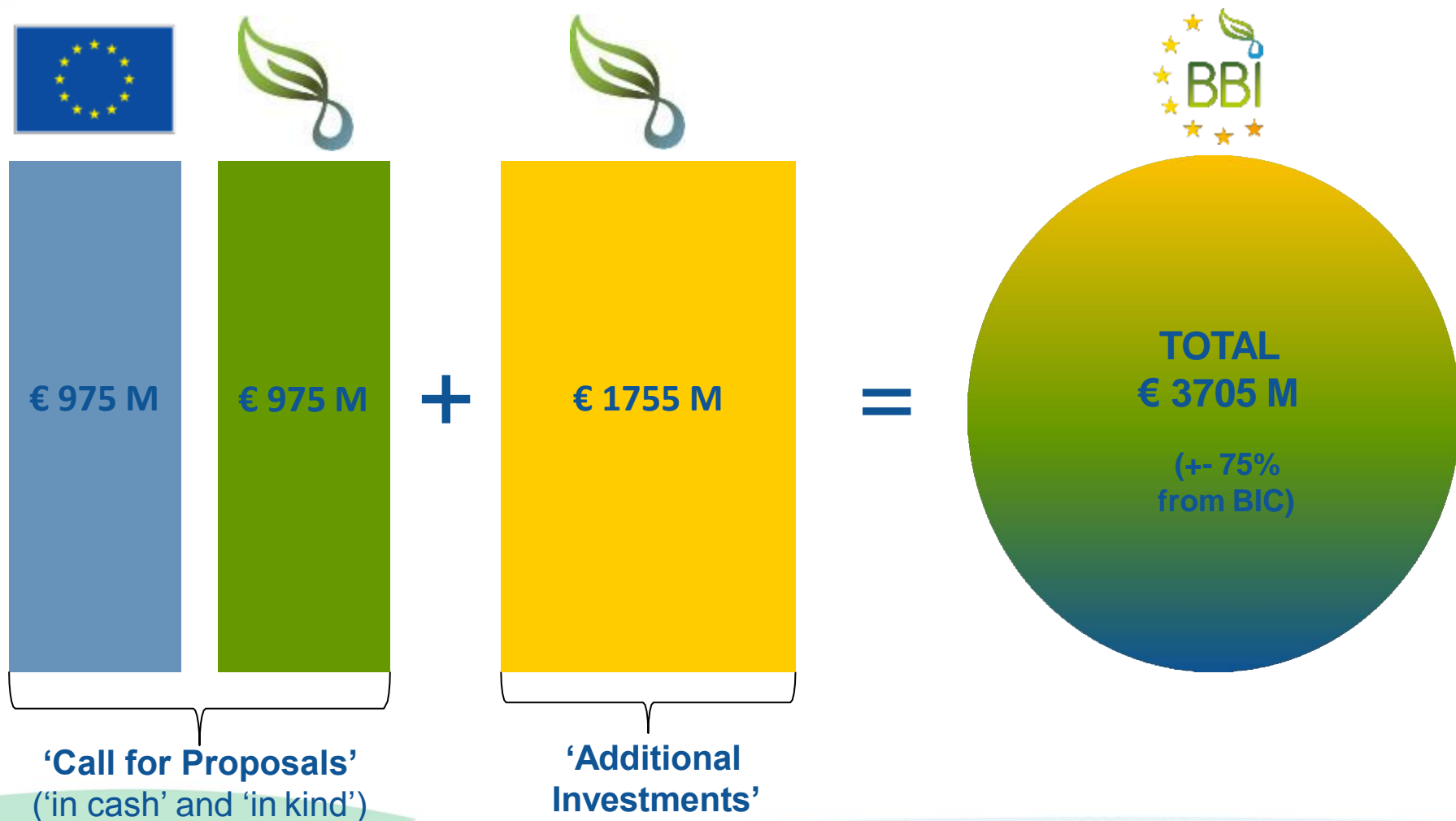
What is « BBI Joint Undertaking? »

- A programme born from **Horizon 2020**
- Creation in 2014 of this **Public-Private Partnership (PPP)** to support bioeconomy
- **Partners:**
 - European Union
 - Consortium of bio industries (BIC)



www.bbi-europe.eu

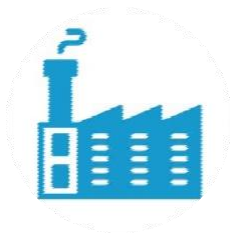
Budget of BBI JU2014-2020



Type of action financed by BBI JU



Research and Innovation- RIA



Innovation (Demonstration et "Flagships")
- IA



Coordination and support actions- CSA

Reimbursement rate

Participant	RIA	IA	CSA
Big companies	/	70%	/
SMEs	100%	70%	100%
Public entities	100%	100%	100%

Priorities established by BBI JU:

- KPI 1** New cross-sector interconnections
- KPI 2** New bio-based value chains
- KPI 3** Cooperation projects
- KPI 4** New building blocks based on biomass of European origin validated at demonstration scale
- KPI 5** New bio-based building materials
- KPI 6** New demonstrated 'consumer' products based on bio-based chemicals and materials
- KPI 7** Flagships resulting from BBI JU funded projects



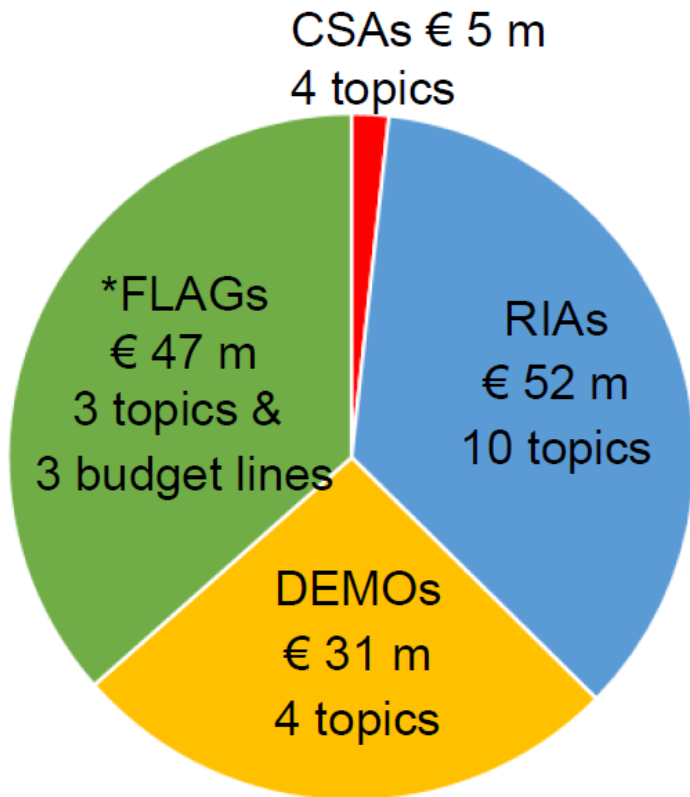
Advices specific to BBI JU

- If possible: have partners members of the BIC consortium, they can give advice and insight about the work programme. Even though it is not supposed to be evaluated.
- Financial participation in kind and in cash from companies of the project is very appreciated and is taken into account in the evaluation.

Priorities of the BBI JU call 2019

- Strong focus on impact & KPIs
- Promotes a multi-value-chain approach
- Diversify the feedstock portfolio by the use of existing and new sources (e.g. Flagship topic for bio-waste or utilisation of new plant species)
- Breakthrough processes pre-treatment, conversion and downstream processing (e.g. cost-effective pre-treatment units), new products (e.g. bio-stimulants, fibres for textile products)
- Special focus on SMEs clusters, and assisting brand owners on the way to bio-based industry

Budget distribution Call 2019



Total indicative
BBI JU budget is
€ 135 million for **21** topics

* FLAGs **€ 47** m for **3** budget lines

F1: **€ 15** m

F2: **€ 20** m

F3: **€ 12** m

Novelties of AWP2019

- **Novelties in the AWP2019 structure:**
 - AWP2019 contains the topics glossary - a dedicated section for definitions (see pages 79-82)
 - Standard requirements for proposals in different actions are clearly indicated in a table (see pages 27-28)

Table 3: 'Standard requirements' for proposals for the different actions

	RIA	IA – demonstration action	IA – flagship action
Benefits versus the state of the art	Proposals should specifically demonstrate the benefits versus the state of the art (including fossil-based counterparts, if applicable) and existing technologies. This should be done by providing evidence of new [or more efficient] processing solutions and new products obtained.		
Issues about logistics	N/A	Proposals should seek to eliminate technical and economic hurdles and bottlenecks affecting logistics, transport modes and associated infrastructure in the targeted biomass feedstock supply systems. These include collection systems, intermediate storage and safety aspects.	
Relationship with other projects	Proposals should build on and seek complementarity with completed and ongoing projects funded under FP7, Horizon 2020 (including BBI JU programme) or nationally to avoid overlap. Proposals should promote synergies and advance beyond the state of the art.		

- Expected impact criteria are widened with separate economic and environmental focuses for each topic

2019 BBI topics (1/4)

Strategic orientation 1: Foster supply of sustainable biomass feedstock to feed both existing and new value chains Improve the utilisation of existing feedstock sources

***BBI2019.SO1.D1** – Scale up conversion of lignin into valuable compounds for application in specific market sectors (IA DEMO – 7M)*

***BBI2019.SO1.D2** – Produce components for various materials, including for food and feed, from microalgae (IA DEMO – 7M)*

Expand the exploitation of under-utilised or new feedstock for the bio-based industries

***BBI2019.SO1.R1** – Use tree species and/or varieties to create new bio-based value chains (RIA – 2 to 5 M)*

***BBI2019.SO1.F1** – Valorise the organic fraction of municipal solid waste through an integrated biorefinery at commercial level (IA Flagship – 15 M)*

2019 BBI topics (2/4)

Strategic orientation 2: Optimise efficient processing for integrated biorefineries through R&D&I 2 Pre-treatment

BBI2019.SO2.R2 – Develop breakthrough technologies to improve the cost-effectiveness and sustainability of pre-treatment steps within biorefining operations (***RIA – 2 to 5 M***)

Conversion of pre-treated feedstocks to bio-based chemicals and materials

BBI2019.SO2.R3 – Apply microorganisms and/or enzymes to resolve end-of-life issues of plastics (***RIA – 2 to 5 M***)

BBI2019.SO2.R4 – Develop surface or bulk treatments for improved wood-based materials (***RIA – 2 to 5 M***)

BBI2019.SO2.R5 – Convert plant oils and fats into safe high-added-value products for various applications including food and personal care (***RIA – 2 to 5 M***)

BBI2019.SO2.F2 – Apply technological combinations to valorise all components of biomass feedstock (***IA Flagship – 20 M***)

Downstream processing

BBI2019.SO2.R6 – Improve biorefinery operations through process intensification and new end products (***RIA – 2 to 5 M***)

System modelling

BBI2019.SO2.R7 – Model the composition of bio-based residual streams and its evolution to optimise its management and processing (***RIA – 2 to 5 M***)

2019 BBI topics (3/4)

Strategic orientation 3: Develop innovative bio-based products for identified market applications

Bio-based products that outperform fossil-based counterparts

BBI2019.SO3.R8 – Develop sustainable bio-based materials for high-volume consumer products (RIA – 2 to 5 M)

BBI2019.SO3.R9 – Develop bio-based fibres and/or functional molecules to improve the performance of textile products (RIA – 2 to 5 M)

BBI2019.SO3.R10 – Develop bio-based high-performance materials for various and demanding applications (RIA – 2 to 5 M)

BBI2019.SO3.D3 – Produce bio-based functional ingredients and additives for high-end markets (IA DEMO – 7M)

BBI2019.SO3.D4 – Demonstrate bio-based pesticides and/or biostimulant agents for sustainable increase in agricultural productivity (IA DEMO – 7M)

BBI2019.SO3.F3 – Produce high-performance bio-based alternatives to harmful products or processes to protect and enhance human health and the environment (IA Flagship – 12 M)

2019 BBI topics (4/4)

Strategic orientation 4: Create and accelerate the market-uptake of bio-based products and applications

BBI2019.SO4.S1 – Assist brand owners to ‘switch to bio-based’ (CSA – 1M)

BBI2019.SO4.S2 – Establish methods and communication for applying mass balance principles to attribute biomass co-feedstock to products (CSA – 500000 euros)

BBI2019.SO4.S3 – Shaping the bio-based economy through a participatory approach (CSA – 2M)

BBI2019.SO4.S4 – Empower SME clusters to bring SMEs ‘across the valley of death’ (CSA – 1.5M)

BBI Infoday the 12th of April 2019

DATE: 12th April 2019 in Brussels

LINK FOR WEBSTREAM: <https://webcast.ec.europa.eu/bbi-ju-info-day-2019>

BBI JU PARTNERRING PLATFORM: <https://www.bbi-europe.eu/participate/bbi-ju-partnering-platform>