



Bio-based industries in Europe
BBI JU's role (incl. Call 2018)



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Project Officer





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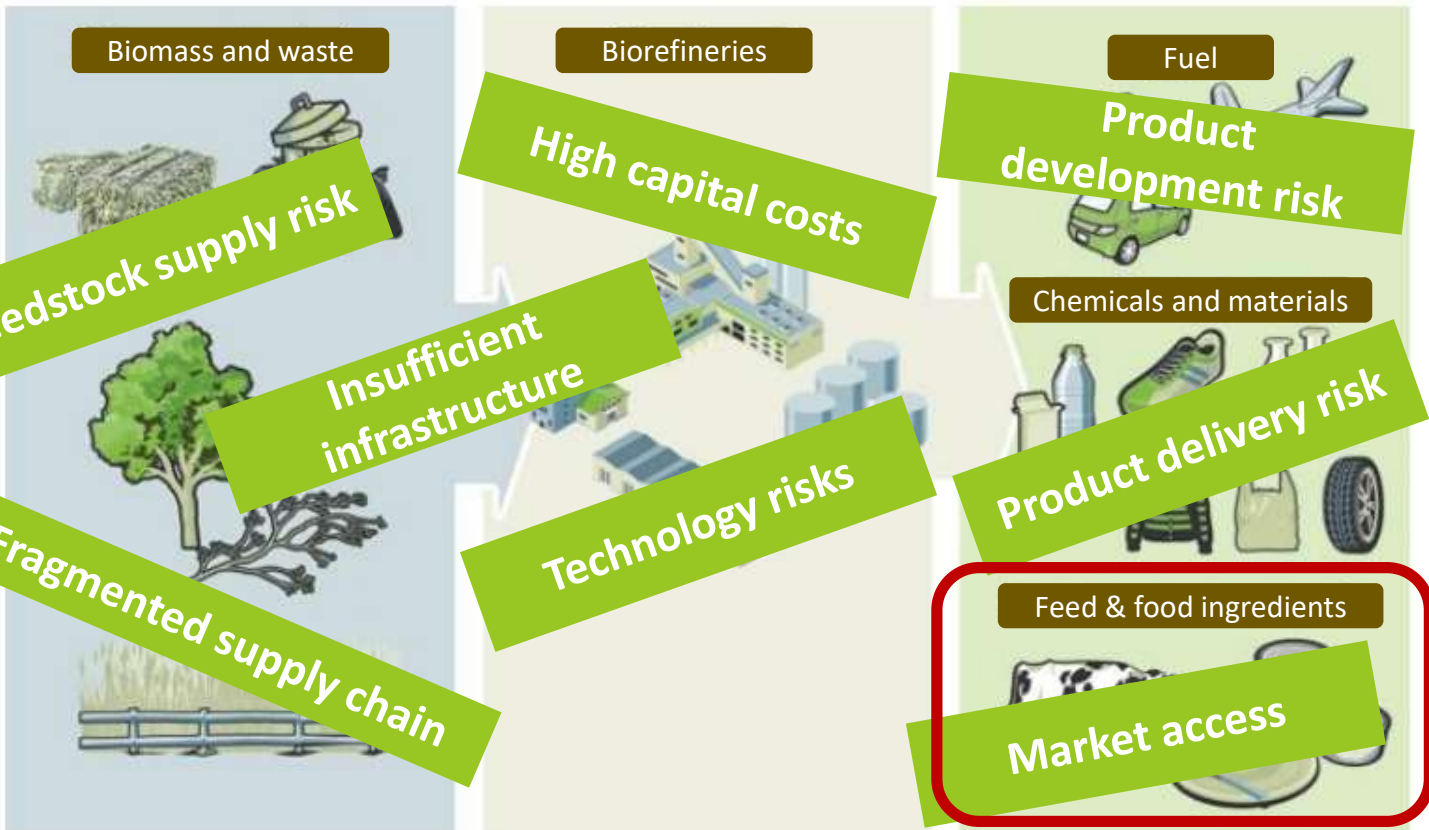


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Bio-based industries (BBI)?





BBI Joint Undertaking (BBI JU)?

- **Public-Private Partnership (PPP)** developing sustainable and competitive bio-based industries in Europe
- **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.

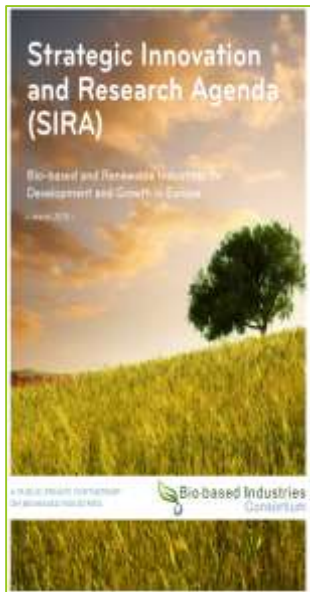


www.bbi-europe.eu

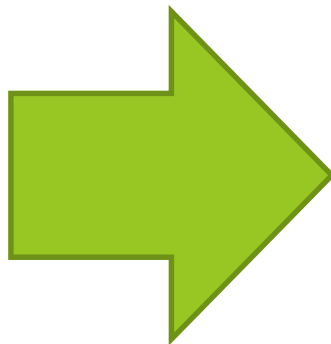
SIRA: 2013 vs. 2017

‘Value Chains’ (VC)

- Lignocellulosic
- Forestry
- Agro-based
- Waste
- ‘Integrated’



(2013)

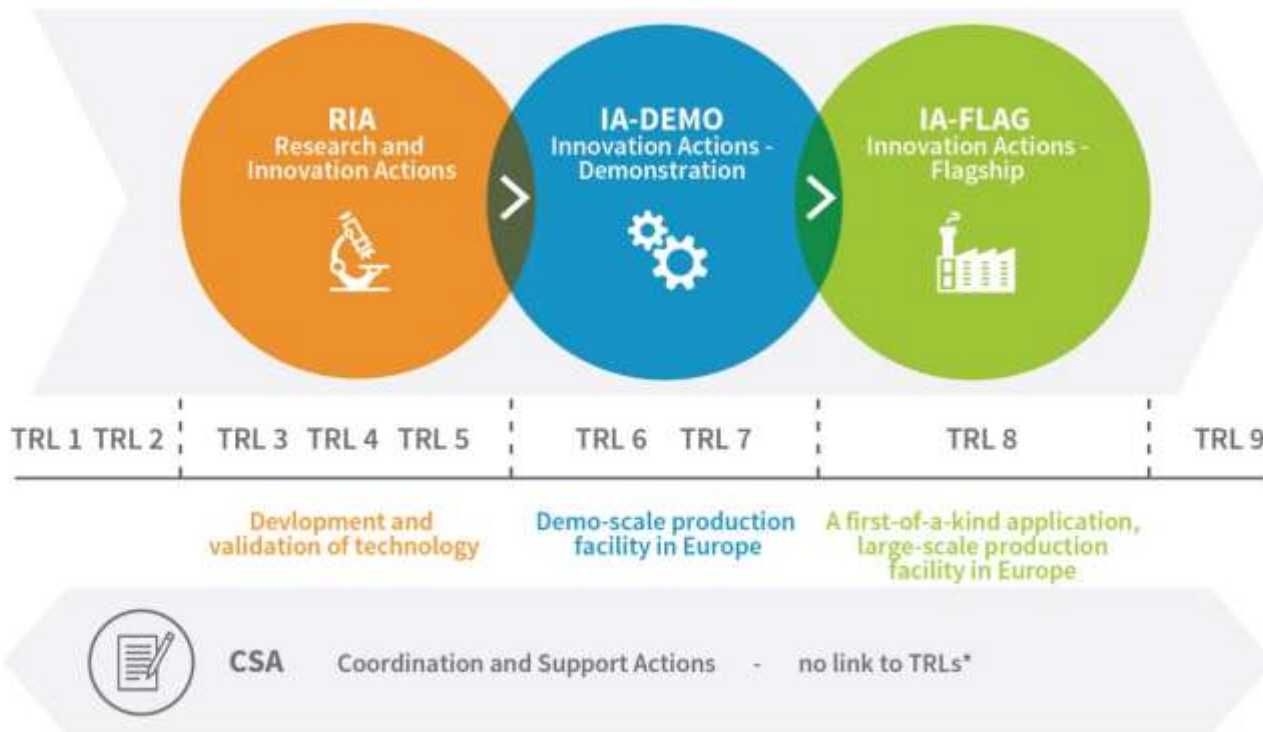


(2017)

‘Strategic Orientations’ (SO)

- Feedstock
- Process
- Products
- Market Uptake

Types of funded projects



* TRL = Tehcnology Readiness Levels



Calls for proposals – ‘protein’ topics



- Call 2014 examples of protein-related topics
 - ‘Protein products from plant residues’ (BBI.VC3.R7) → **PROMINENT**
 - ‘Valuable products from heterogeneous biowaste streams’ (BBI.VC4.R9) → **no successful proposal**



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65 on-going BBI JU projects

Calls **2014** + **2015** + **2016** (+ 17 Call 2017 projects)

Value Chains	RIA	DEMO	Flagship	CSA
VC1 (lignocellulose)	US2GREENCHEM, Zelcor, LIBRE, HYPERBIOCOAT SSUCHY	ValChem, GreenSolRes, BIOFOREVER, LigniOx, EUCALIVA, GRACE	BIOSKOH, LIGNOFLAG, PEference	
VC2 (forest-based)	SmartLi, Greenlight, PROVIDES, NeoCel, TECH4EFFECT, EFFORTE	PULPACKTION, FRESH, Dendromass4Europe	EXILVA	
VC3 (agro-based)	Carbosurf, PROMINENT LIBBIO, BioBarr	Pulp2Value, AgriMax, Funguschain, GreenProtein, LIPES	FIRST2RUN AgriChemWhey	
VC4 (organic waste)	NewFert, AFTERLIFE, PERCAL, BARBARA	EMBRACED, URBIOFIN		
Across VCs	EnzOx2, InDIRECT, BIOrescue, ReSolve, BIOSMART, ECOXY, SHERPACK, REFUCOAT, POLYBIOSKIN	DEMETER OPTISOCEM, SYLFEED, BIOMOTIVE		BioCannDo, BIOWAYS, STAR4BBI, BIOOPEN, RoadToBio, Pilots4U
Aquatic Biomass	MACROCASCADE, BIOSEA, ABACUS, MAGNIFICENT, VALUEMAG			



Examples of ‘protein projects’

- **Call 2015**
 - **LIBBIO**: “Lupinus mutabilis for Increased Biomass from marginal lands and value for BIOrefineries” (BBI.VC3.**R8**)
 - **GreenProtein**: “Revalorisation of vegetable processing industry remnants into high-value functional proteins and other food ingredients” (BBI.VC3.**D5**)



BBI JU website – search projects



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

[Home](#) [About BBI JU](#) [Participate](#) **Projects** [News](#) [Events](#) [Multimedia](#) [Jobs](#)



Call

- Any -

Type of project

- Any -

Classification

- Any -

Free text

Protein

Search

ABACUS

Algae for a biomass applied to the production of added value compounds

AgriChemWhey

An integrated biorefinery for the conversion of dairy side streams to high value bio-based chemicals

BIOSEA

Innovative cost-effective technology for maximizing aquatic biomass-based molecules for food, feed and cosmetic applications

DEMETER

Demonstrating more efficient enzyme production to increase biogas yields

GreenProtein

Revalorisation of vegetable processing industry remnants into high-value functional proteins and other



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BBI JU - Governance

Public partner
Represented by
EC



Private partner
Represented by BIC
75% of investment in BBI JU



How to influence BBI JU topics?

- Less via SC2 Programme Committee (PC)...
 - H2020-SC2: PC = ‘co-decision’ body
 - BBI JU: SRG = advisory body
- ..but via <http://BIConsortium.eu/membership>

Membership benefits

- ✓ Define the content of the annual Work Plan
- ✓ Receive tailored information and support
- ✓ Obtain advice and guidance on EU loans/grants
- ✓ Network with Consortia partners and potential project partners

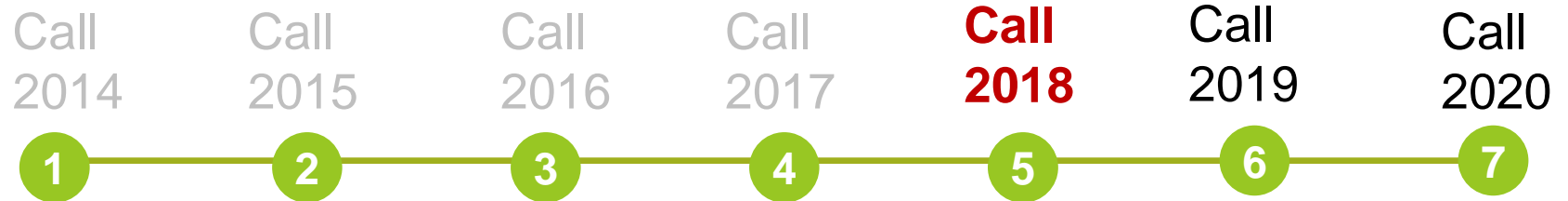


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 - Call 2018...
 - ...and beyond?



Call 2018



- **Call timing**

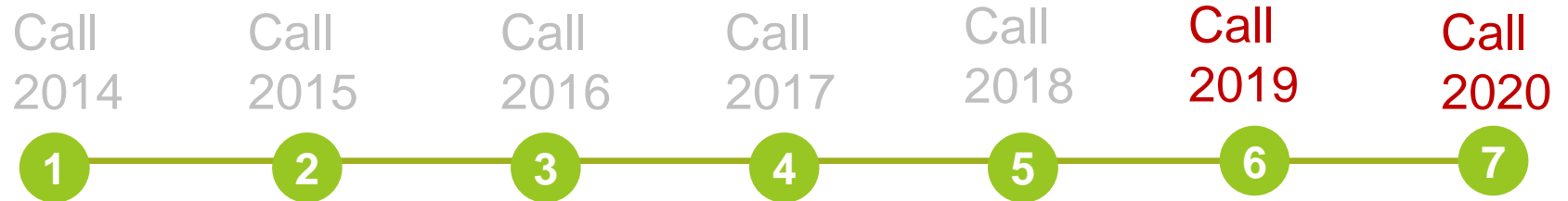
- Call opening: 11 April 2018
- Call closure: 6 Sept 2018, 17:00 CET

- **Link with proteins?**

- "Large-scale production of proteins for food and feed applications from alternative, sustainable sources" (BBI 2018.SO3.F2)



Calls 2019-2020



- Call 2019 topics are currently being written (cf. BIC slide)
- Similar yearly cycle
 - Publication of topics: Dec
 - Call opening: Apr
 - Call closure: Sept
 - Evaluation: Q3-Q4
 - Results to applicants: Dec



The future?

- BBI JU 2.0
 - Calls after 2020?
- Interim evaluation of BBI JU (2014-2016) operating under Horizon 2020 – experts Group Report (publication 10/10/2017)
 - Mostly positive...





Interim evaluation, p.8-9

(*bold italic* added)

Overall, BBI JU has created a stimulating research and innovation environment in Europe. BBI JU has also attracted a satisfactory level of participation of the *best European players* in the areas of the selected value chains.

[...]

As the realization of these goals could not be achieved by a single member country, organization or scientific discipline alone, *the required common European effort is justified.*



The future?



- BBI JU 2.0
 - Calls after 2020?
 - Interim evaluation of BBI JU (2014-2016) operating under Horizon 2020 – experts Group Report (publication 10/10/2017)
 - Mostly positive...
 - ...but not enough for BBI JU 2.0
- **Be our ambassadors (at local, national and international level)**



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