



BBI JU: General overview, Call 2016 opportunities, funding scheme & tips for a successful application



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Info day on BBI JU,
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BBI's overall objectives

Council Regulation 560/2014 establishing BBI JU

Developing sustainable and competitive bio-based industries in Europe, based on advanced biorefineries that source their biomass in a sustainable way by:

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



BBi programme & implementation

- **Public-Private Partnership** between European Commission & BIC. An Independent legal entity since 26 October 2015
- **BBi Budget: € 3.7 billion**
- **Operating under Horizon 2020 rules**
- **Industry driven:** oriented by the strategies developed by the industry (SIRA)
- **Implemented via Annual Work Plans (AWP)**
BBi JU provides financial support to R&I



Horizon 2020
European Union Funding
for Research & Innovation





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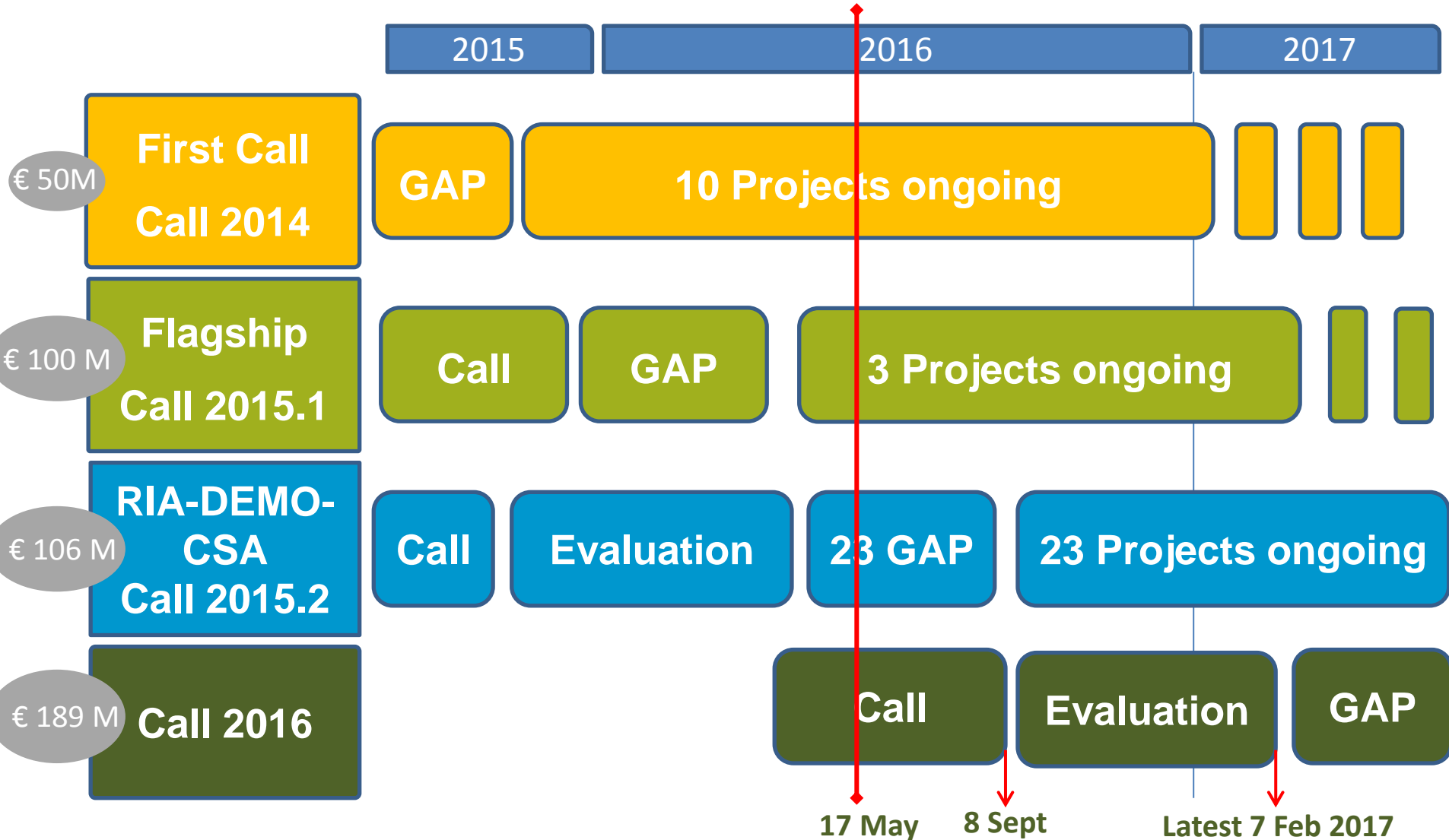
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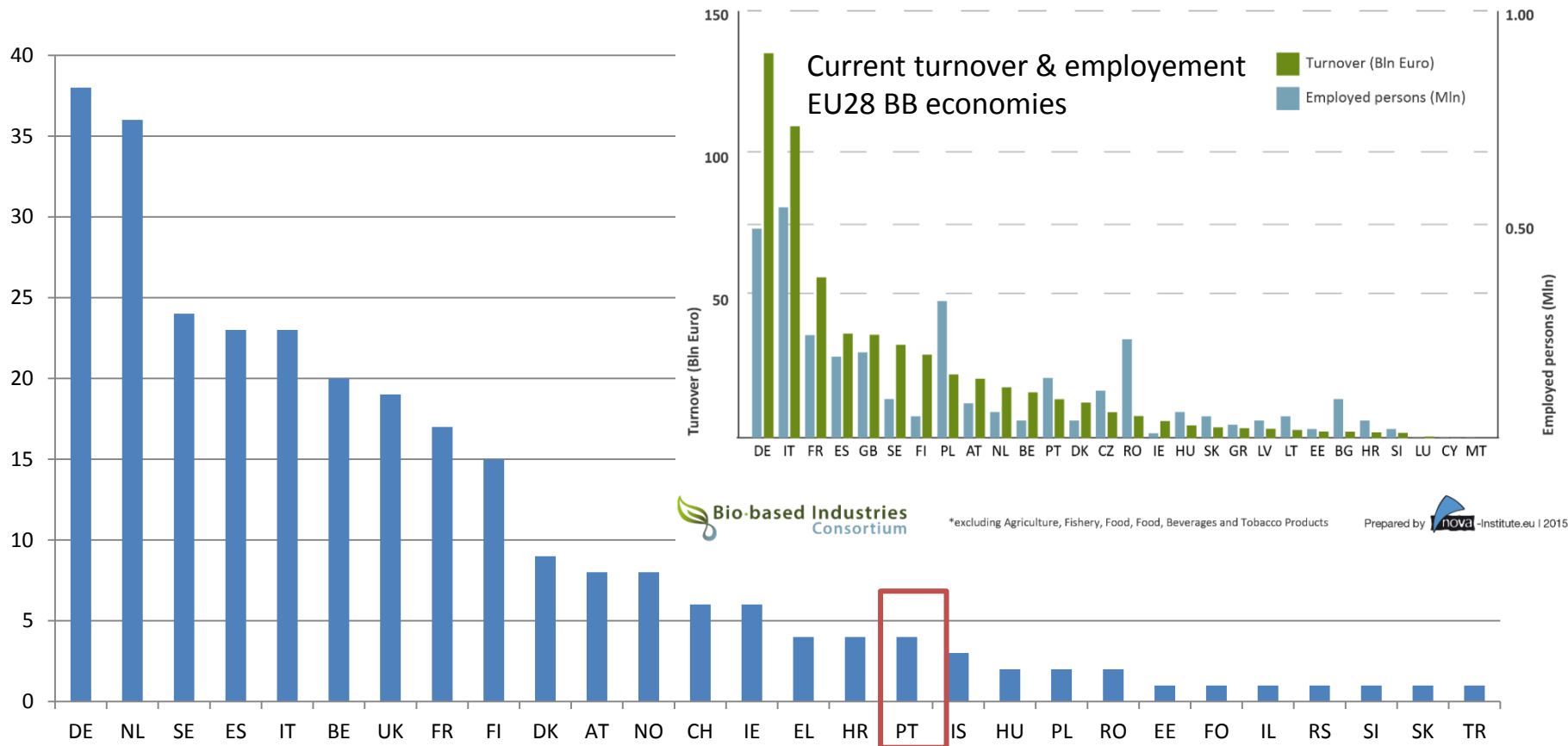
BBi calls: current status





Call 2015.2 : 23 proposals invited to GAP on 22 April 2016

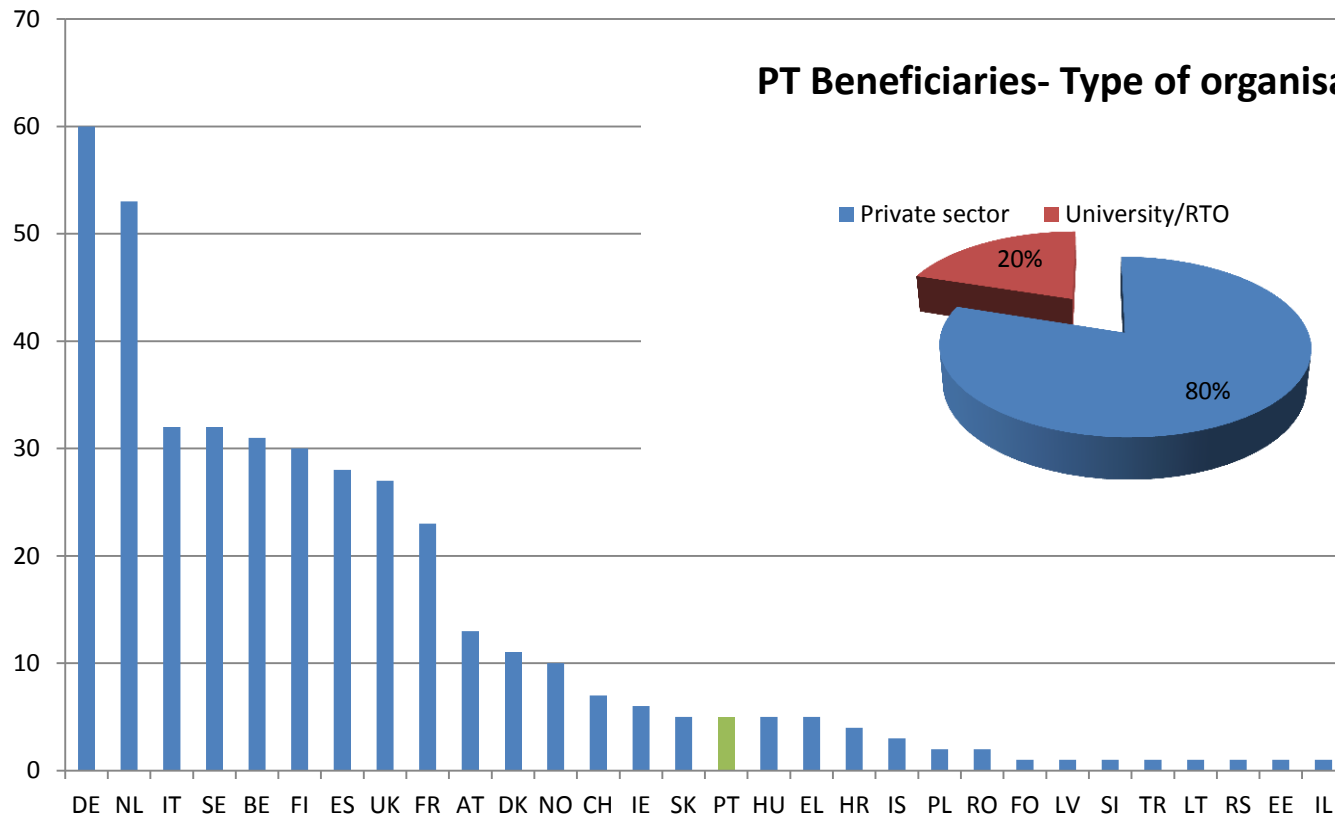
Call 2015.2 : Participants per country (280 participants in total)





Total beneficiaries in calls 2014 and 2015

Number of beneficiaries (call 2014, 2015.1 and 2015.2)



PT Beneficiaries- Type of organisations

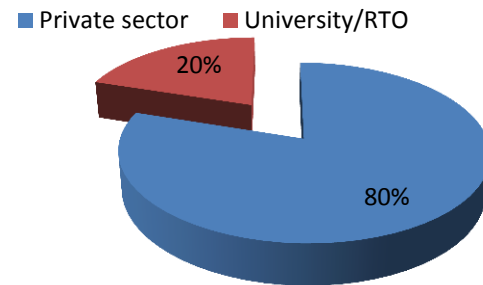




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Type of Actions

- **Research and Innovation Actions (RIA)**
- **Innovation Actions (IA)**
 - Demonstration actions
 - Flagship actions

Coordination and Support Actions (CSA)

cross-sectorial challenges, supporting VCs,
integration, networking...



Technology Readiness Levels (TRL)

TRL 1 – basic principles observed

TRL 2 – technology concept formulated

TRL 3 – experimental proof of concept

RIA

TRL 4 – technology validated in lab

New in RIA
topics / scope

TRL 5 – technology validated in relevant environment

TRL 6 – technology demonstrated in relevant environment

DEMO

TRL 7 – system prototype demonstration in operational environment

FLAGSHIP

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment



Call 2016

...even more focus on impact

- **BBi JU is an industry driven programme:**
For a real impact the participation of industry in the proposal is crucial (industry brings the ideas, participates in projects and contributes financially)
→ proposal's quality & expected impact
- **Contribution to BBI Key Performance Indicators (KPI):**
Each proposal will explain how it is contributing to the KPIs as defined in the current [SIRA](#) (p30f.)
→ expected impact

New in 2016
topics /impact



Objectives & KPIs in call 2016

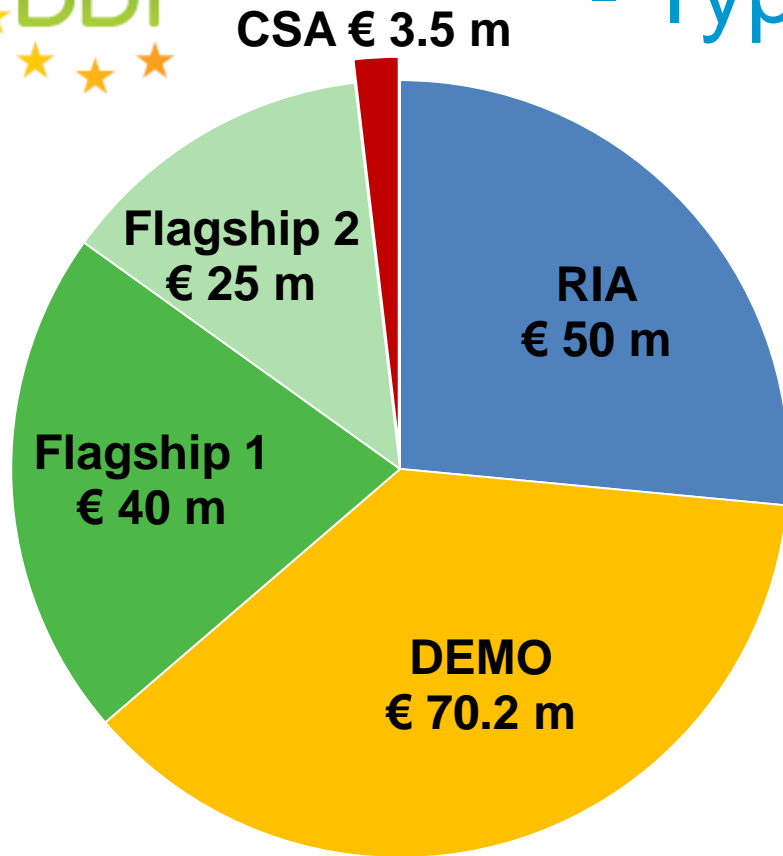
BBi JU specific objectives: demonstrate technologies; develop business models, set up flagship biorefinery plants.

- KPI 1** New cross-sector interconnections in bio-based economy clusters **11 topics**
- KPI 2** New bio-based value chains **17 topics**
- KPI 3** Cooperation projects **13 topics**
- KPI 4** New building blocks based on biomass of European origin validated at demonstration scale **1 topic**
- KPI 5** New bio-based materials **12 topics**
- KPI 6** New demonstrated 'consumer' products based on bio-based chemicals and materials **9 topics**
- KPI 7** Flagships resulting from BBi JU funded projects **2 topics**



Budget distribution Call 2016

- Type of Actions -



Indicative total BBI JU
budget € 188.65 Million

In addition substantial resources from industry
expected



RIAs in Call 2016

Objective: Filling specific gaps in the value chain by developing (TRL 3) or validating a technology, process or materials/chemicals at lab (TRL 4) or at pilot scale (TRL 5)

- 12 RIA topics with different focus /priorities;
Feedstock: wastewater (R1), MSW (R8), aquatic biomass (R9)
Process: fermentation (R2), control of contamination (R3), separation & purification (R12), ...
Products & Markets: biomaterials for food packaging (R5), biopolymers with advanced functionalities (R7)...
- BBI JU Budget: € 50 million
- Considered total eligible budget: € 2-5 million per proposal



DEMOs in Call 2016

Objective: demonstration of the technical and economic viability of a new or improved technology, process, product or service or value chain in relevant (TRL 6) or operational (TRL 7) environment

- 9 DEMO topics: industrial crop & novel sources of biomass (D2); biorefinery concepts for underexploited areas (D4), BB polymers/plastic materials with new functionalities (D5)...
- Shall address the **whole value chain**, from feedstock sourcing to market applications
- BBI JU Budget € 70.2 million
- Considered total eligible budget: up to € 15 million / proposal



Flagships in Call 2016

Objective: deployment of a technology, which has been already demonstrated leading to a system, which is complete and qualified (TRL8) for successful commercial operation (large scale production facility in Europe)

2 Flagship topics focusing on high added-value products:

- F1: by-products or waste-streams from the food industry
BBi JU Budget € 40 million (2 projects possible)
Considered total eligible budget: up to € 30 million/ proposal
- F2: products from bio-based feedstock
BBi JU Budget € 25 million
Considered total eligible budget: up to € 35 million/ proposal



CSAs in Call 2016

Objective: supporting value chains development through various means (4 CSAs):

- S1: A roadmap for the chemical industry to a bioeconomy
- S2: Bioeconomy related open access research infrastructure and assessing its capabilities for industry driven development projects
- S3: Open-innovation Platform strengthening cooperation and joint development of bio-based industries and downstream sectors
- S4: Clustering and networking for new value chains
- BBI JU Budget € 3.5 million



Call 2016

Indicative Timetable

Call launch:

→ Open for proposals: from 19 April 2016

Submission of proposals:

→ **Deadline: 8 September 2016**

Information on the outcome of the evaluation process:
max 5 months after the proposal submission deadline

→ By: 8 Feb 2017

Signature of grant agreements:

max 8 months after the proposal submission deadline

→ By: 8 May 2017

For more information (topics, timing) see BBI JU Annual Work Plan 2016 ([BBI JU AWP](#)).

The [Call 2016 FAQ](#) are published on the BBI JU website.



Conclusions - Call 2016

- Very inclusive call (RIA, Demo, Flagship, CSA):
there is something for all actors in the BBI environment
- New opportunities via
 - more focus on **new areas**: e.g. aquatic biomass
 - opening **new cross-cutting opportunities**
(no restriction to a pre-defined VC)
 - focus on developing of **new functionalities** of materials/
products (enabling differentiation strategy)
- More focus on impact: proposals shall contribute
to clearly defined KPIs



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Participation & funding rates per action

Participant	RIA	IA	CSA
Large Industries	/	70%	/
SMEs	100%	70%	100%
Non profit, legal entities (Universities, RTOs, NGOs etc.)	100%	100%	100%



Financial Regime in BBI JU Calls

Industry-driven programme



the commitment of the industry is crucial

- RIA and CSA: no funding for large companies
→ specific for BBI JU
- Innovation Actions: 70% reimbursement rate
→ common for H2020

Consortium own contribution

- requesting less than funding rate
- « Additional investments »
→ specific for BBI JU

**Is positive
in evaluation**



Consortium own contribution

Industrial Contribution is crucial

BBI JU policy is to increase and **leverage the private investments**

3 types of own contribution

- **In kind:**
 - LE, in RIA and CSA: 100% of their eligible costs is own contribution – industry commitment
 - IA: up to 70% is funded, but the request can be less → visible in Part A (budget)
- **In cash:** cash contribution given to one or more partners
- **Additional investments :** Activities outside the work plan of the BBI JU contributing to the objectives of the BBI Initiative



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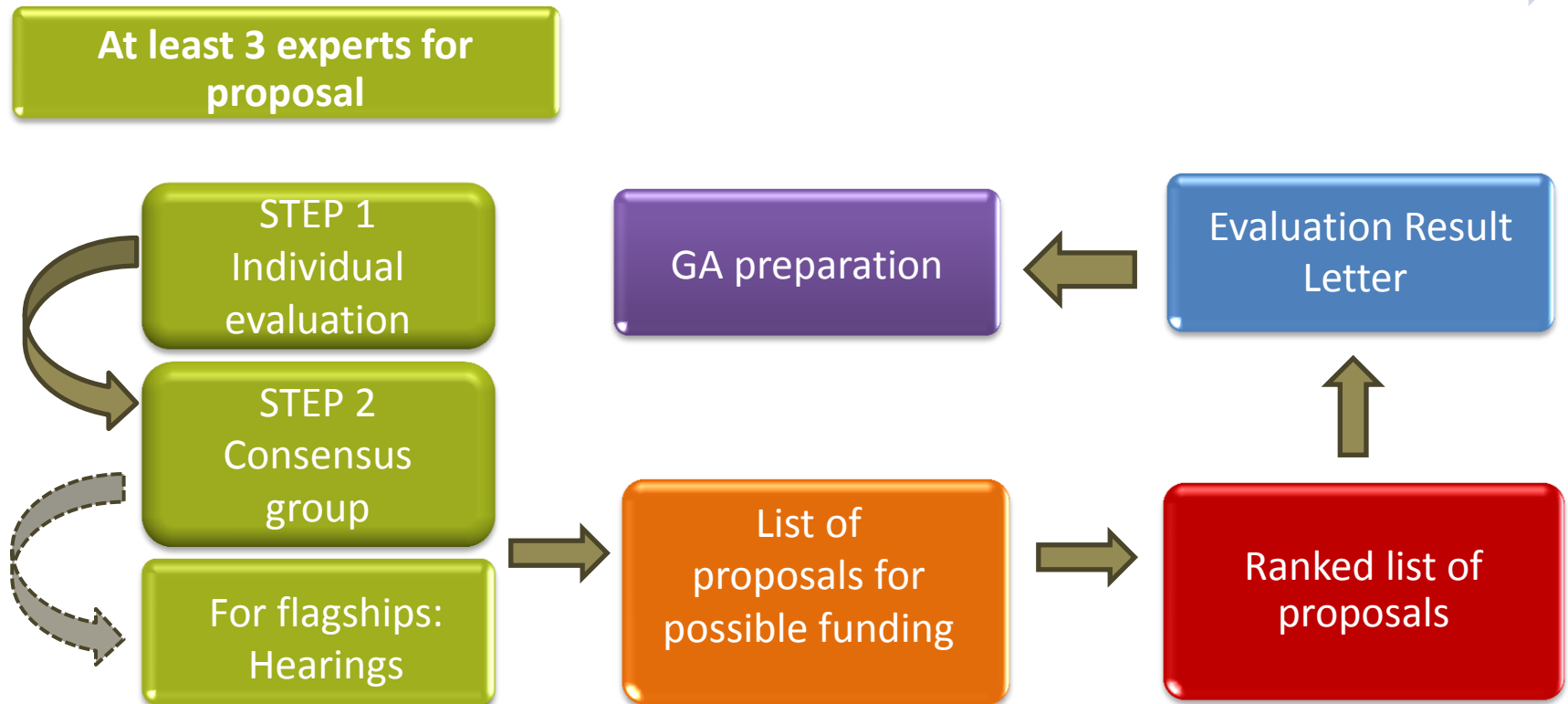
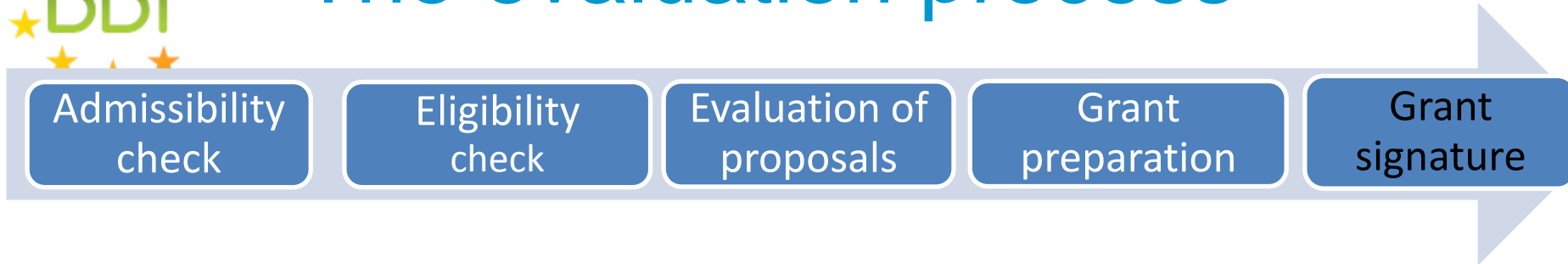
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The evaluation process





Evaluation Criteria -IA

Excellence	Impact	Quality and efficiency of the implementation
<ul style="list-style-type: none"> • Clarity and pertinence • Soundness of the concept • Credibility of the proposed approach • Extent that proposed work is ambitious, has innovation potential, and is beyond the state of the art • Coverage of the value chain (IA) 	<ul style="list-style-type: none"> • Expected impacts listed in the topic • Enhancing innovation capacity and integration of new knowledge • Strengthening the competitiveness and growth of companies • Any other environmental and socially important impacts • Effectiveness of the proposed measures to exploit and disseminate the results • Extent to which consortium contribution, including additional investment, will help maximising the impact of the action (RIA/IA) 	<ul style="list-style-type: none"> • Coherence and effectiveness of the work plan • Complementarity of the participants within the consortium (if relevant) • Appropriateness of the management structures and procedures • Soundness of the business case and business plan (IA) • Readiness of the technology for the implementation of the pilot phase, demonstration or flagship. (IA)



How to prepare a good proposal?

Think as an evaluator!

Assess the proposal against the evaluation criteria in relation to the topic text



Proposal in scope with the topic

- Experts evaluate proposal 'as is'...
 - No recommendations (besides clerical errors)
 - After evaluation: no negotiation between BBI JU and proposal writers
- ...in relation to the topic text
 - The topic text is the result of negotiations between industry & EU: every word counts
 - Make the scope of the proposal match with the scope of the call.



BBi JU evaluation criteria

- Make sure you address the (sub)criteria in the relevant section, including the BBi JU-specific (sub)criteria
 - Excellence
 - Impact
 - Implementation
- Follow structure of proposal template
 - To ensure that expert-evaluators can easily find the right answer to the right question
 - Proposal structure per 'type of action': see Guide for Applicants (GfA)



BBi JU scoring scale

- 3 main criteria...
 - Excellence *WHAT?*
 - Impact *SO WHAT?*
 - Implementation *HOW?*
- Each criterion:
score of 0-5/5
- but (even more) focus on 'Impact'
 - All actions: 'Impact' threshold = 4/5
(‘Excellence’ & ‘Implementation’: 3/5)
 - IAs (DEMOs & Flagships): weighting factor 1,5



Competition within budget line

- **Budget line**
 - Sometimes more than 1 topic in a budget line
 - Call 2016: 5 budget lines (CSA, RIA, DEMO, F1, F2)
- **Result:**
 - If you think you're the only consortium able to submit a proposal for topic A...
 - ...it might be that your're competing with other proposals submitted under different topics in the same budget line => high-quality proposals are essential!



Do you have BBI expertise?

- Go to the Participant Portal
 - <http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>
 - Create or update your expert profile
- Call 2016 expert-evaluator invitations...
 - ...will be sent by end of April...
 - ...so if you haven't registered yet, please do so and e-mail experts.bbi@bbi.europa.eu
- Better evaluators =
 - Best proposals are selected
 - BBI JU's objectives are reached



Thank you!



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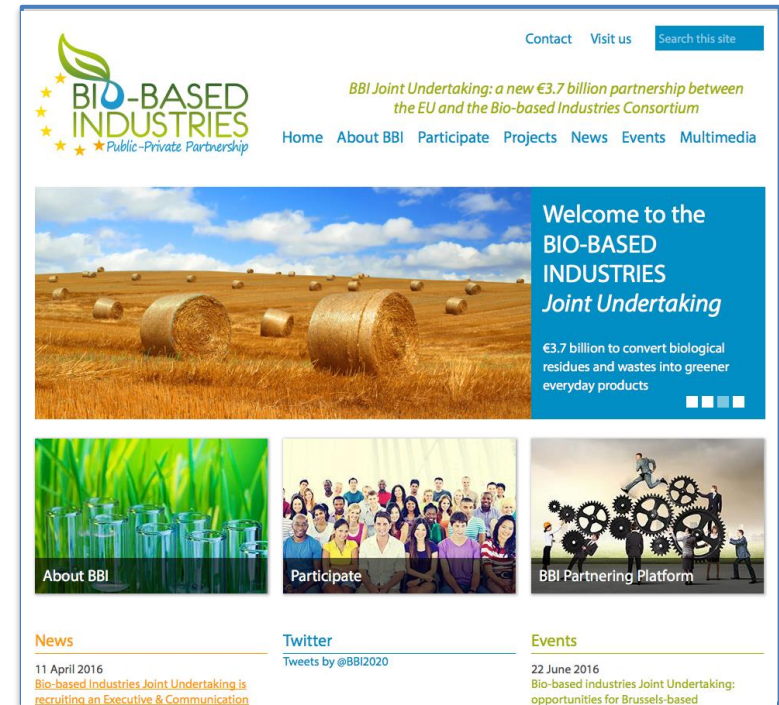
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BBI Partnering – Introduction

- Identify and cooperate with the European stakeholders around the annual calls for proposals
- Networking during the year with BBI participants
- Find partners to apply for BBI funding
- BBI Partnering is available online and by mobile app
- You can register at <http://www.bbi-europe.eu/participate/bbi-partnering-platform>
- Mobile app in iTunes and google play





BBi Partnering – Community today

- More than 1000 stakeholder profiles from 37 countries available
- Organizations include Research & Education, Industry, Technology transfer offices, Service companies, Associations,...
- Participants specialized in Research & Development, Engineering, Maintenance, Business Development

