

Public-Private Partnership „Bio-based Industries“ (PPP BBI)

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Nationale Auftaktveranstaltung des BMBF für Horizont 2020
Workshop Bioökonomie

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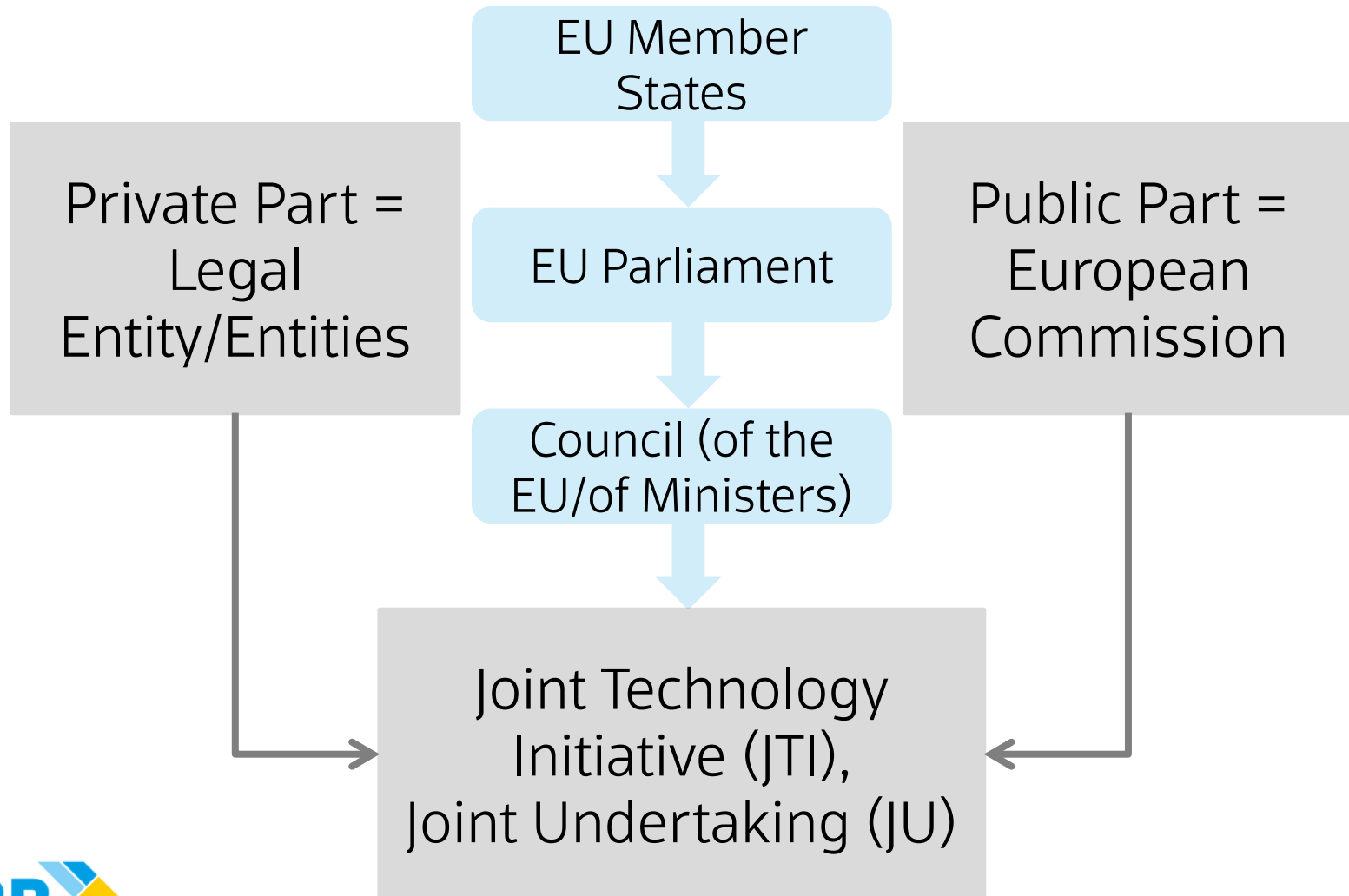


Public-private Partnerships

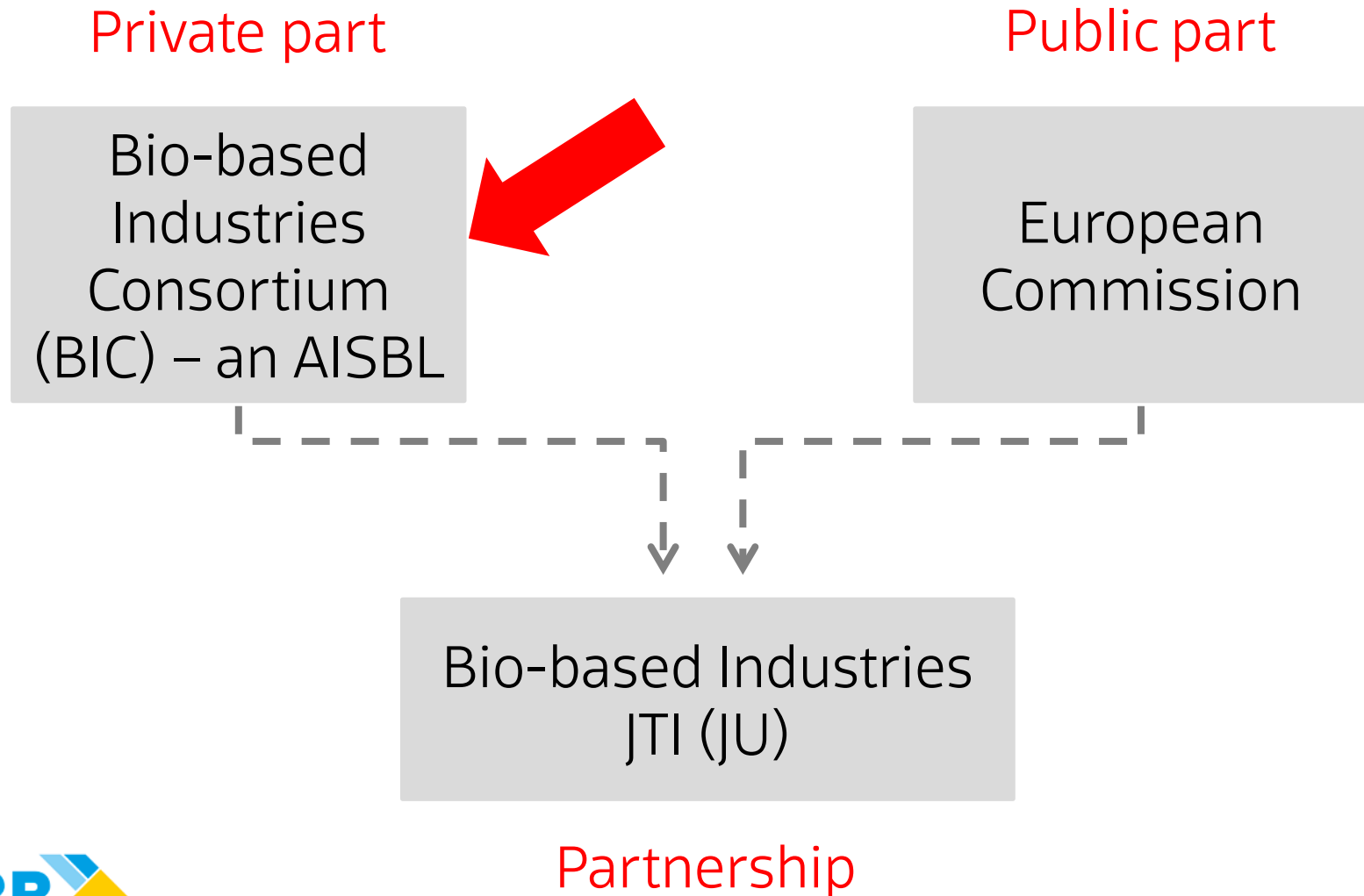
- Much greater role of private sector stakeholders
- Jointly agreed multi-annual *strategic* research agenda
- A greater private sector financial contribution



The Making of a PPP



Structure of BBI PPP – Approval Pending



Participation possibilities in BIC

Regular Members – categories A and B:

- Big Industry, SMEs; Cluster Organizations *only* representing SMEs
- Voting rights in the BIC General Assembly, decide on the work program
- Category A: 30 T€ p.a. – 6 votes
- Category B: 5 T€ p.a. – one vote

Associate Members – category C, contribution in kind:

- ‘Supporting Organizations’: EuropaBio, CEPI, FTP, COPA-COGECA, Plants for the Future, ESA, CEFIC, SusChem

Associate Members – categories D to F, 1 T€ p.a.:

- Category D: Clusters and Associations
- Category E: Research Organizations
- Category F: Other relevant stakeholders (e.g. NGOs)

Statistics (so far)

Regular Members: 67

- Big Industries: 39 (Germany: 4)
- SMEs: 17 (Germany: 1)
- Clusters: 11 (Germany: 4)

Associate Members: 90

- RTOs: 50
- Universities: 24
- European Trade Organizations: 7
- Technology Platforms: 5
- Associations: 4



The BBI Vision

**...a competitive, innovative and sustainable Europe:
Leading the transition towards a post-petroleum society
while decoupling economic growth from resource depletion
and environmental impact.**

Focus of BBI on:

- Feedstock
- Biorefineries
- Markets, products and policies

Objectives:

- Accelerate innovation
- Boost market uptake
- Facilitate financing for first movers
- Raise public awareness of bio-based products



The Five Value Chains

1. From **lignocellulosic feedstock** to advanced biofuels, bio-based chemicals and biomaterials
2. The next generation **forest-based** value chains
3. The next generation **agro-based** value chains
4. Emergence of new value chains from **(organic) waste**
5. The integrated **energy, pulp and chemicals biorefineries**



10 July 2013: Innovation Investment Package, Proposed PPPs – Approval Pending

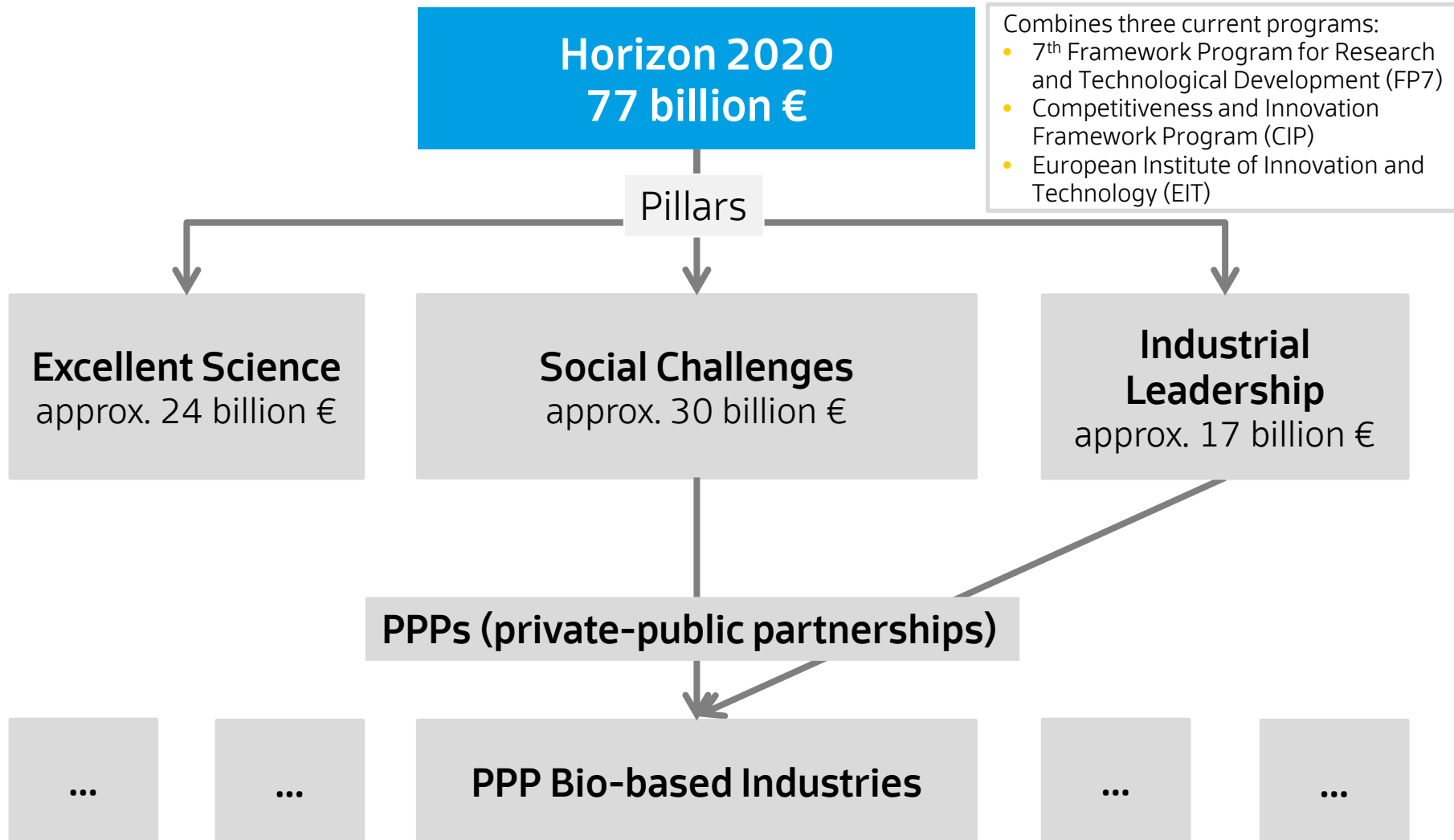
PPP	EU (Horizon 2020) + EU Member States (for Electronics only)	Industry	Total
Innovative Medicines Initiative 2	1,725 M€	1,725 M€	3,450 M€
Fuel Cells and Hydrogen 2	700 M€	700 M€	1,400 M€
Clean Sky 2	1,800 M€	2,250 M€	4,050 M€
Bio-based Industries	1,000 M€	2,800 M€	3,800 M€
Electronic Components and Systems	1,215 M€ (+ 1,200 M€ from EU Member States)	2,400 M€	4,815 M€
Total JTI	7,640 M€ (6,440 M€ from Horizon 2020 + 1,200 M€ from EU Member States)	9,875 M€	17,515 M€



Public Funding Allocated Over Time

BBI: Budget line	Million €
2014	52
2015	202
2016	163
2017	138
2018	142
2019	144
2020	159
Total	1,000

Where Comes the Public Money from?



Status of BBI and (intended) Time Table

- **European Parliament** negotiating the EC's Innovation Investment Package (state: 22 January 2014). The European Parliament's opinion is not decisive, but important/influential.
- The **Council of Ministers** takes the final decision. Probably, by April 2014 the Council should give (!) green light, so the JTI can officially start operating.
- Planned/intended:
 - May 2014: Pre-publication of the work program
 - **July 2014: official publication of first call**
 - October 2014: close of the first call (TBC!)
 - April 2015: First grant agreements signed; first wave of projects will start

Developing the Work Program (Topics)

This happens by multiple loops and hearings between

- BIC Members Category A & B
- Programing Working group
- BIC Board
- BIC General Assembly
- “External stakeholders” (BIC Members Category C to F and Members States)
- European Commission
- Member States Representative Group
- Scientific Expert Group



Foreseen: Four types of Projects/Activities

- **Value Chain Demonstration projects**
- **Flagship projects**
- **R&D projects**
- **Supporting projects**, addressing cross cutting *non-technological* issues (such as clustering and coordination, establishing common standards , developing tools for technical-economic analysis, dissemination...)



Rules and Reimbursement Rates



Demo and Flagship Projects

- **Openness** is 100% as any consortium (min. 3 legal entities with at least one industrial partner [SME or large industry] from three different Member States or associated country, independent from each other) can submit a project proposal.
- The **evaluation of proposals** is performed by independent experts, selected by the BBI JU, and based on excellence, impact, quality and efficiency of the implementation.
- Overall **reimbursement rate** up to 70% of total eligible costs less possible revenues (pro-rata of sales on innovative activities, according to H2020). Further precise regulations for BBI in debate.
- **Non-profit organizations:** Reimbursement up to 100%.



R&D Projects

- **Openness** is 100% as any consortium (min. 3 legal entities with at least one industrial partner [SME or large industry] from three different Member States or associated country, independent from each other) can submit a project proposal.
- The **evaluation of proposals** is performed by independent experts, selected by the BBI JU, and based on excellence, impact, quality and efficiency of the implementation.
- **Large industries cannot be reimbursed, they contribute in kind and/or in cash to the project. All other partners are reimbursed 100%.**
 - R&D Actions may be essentially “hybrids” (i.e. industry contribution *both* in kind and in cash.

Supporting Actions/Projects (non-technical)

- Supporting actions aim at carrying out studies (market, environment, societal, etc.) that are of interest for a group of BIC members (**min. 2 that are independent of each other**) who also define a Supporting Project.
- **Openness** is 100% as any type of organization (min. 1 legal entity from a Member State or associated country – not necessarily an industrial partner) can submit a project proposal.
- The **evaluation of proposals** is performed by independent experts, selected by the BBI JU, and based on excellence.
- All Supporting actions are based on the “in cash” model (i.e. both industry and the EC allocate equal amounts of funding to the JU, which allocates it further to the performer(s) =) **The costs are fully reimbursed** by the JU under the H2020 rules.
- The BIC members who finance the project, EC representatives and other experts, if needed, form the Advisory Board of the project.



The BBI Impact

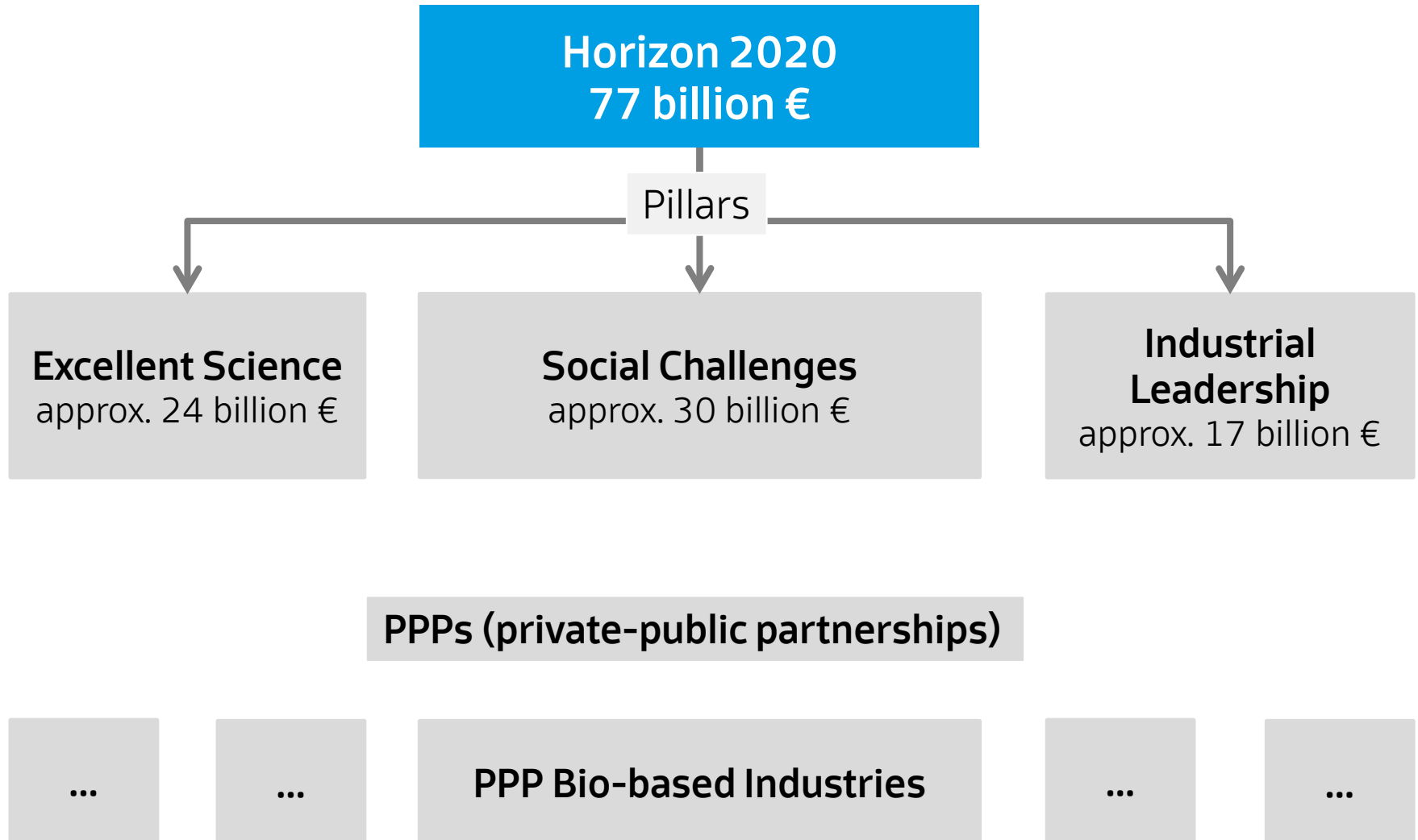
- Creation of new jobs in rural areas as well as in high-tech sectors
- Investments in the European Economy
- Strengthening European competitiveness
- Growth according to sustainability criteria
- Exemplary and environmentally friendly new organization of a large part of the manufacturing industry in a post-petroleum era and society
- **A greater self-sufficiency!**



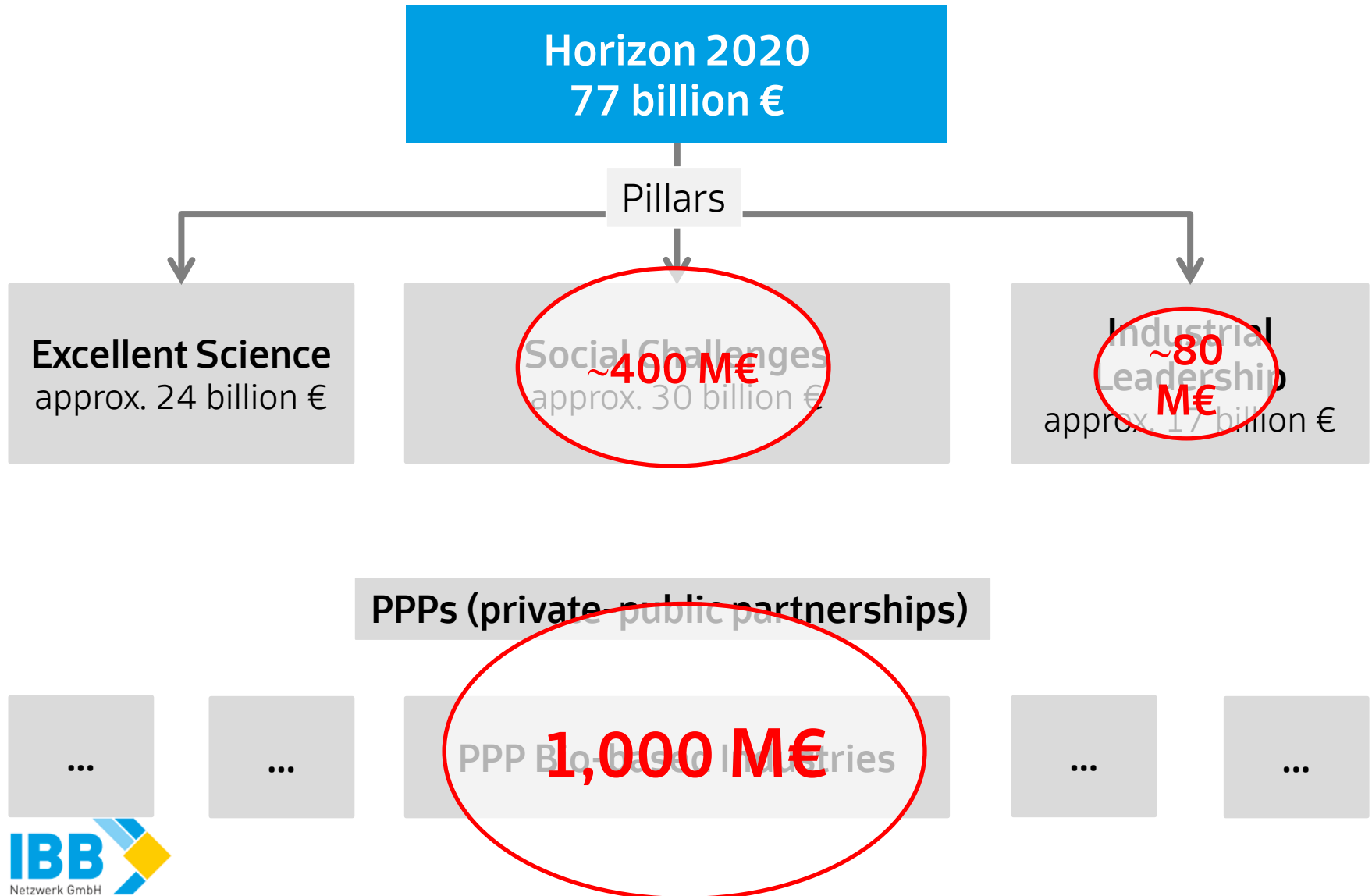
Join us!



Where is Public Money for Bioeconomy Projects?



Where is Public Money for Bioeconomy Projects?



Overview: Benefits (particularly for SMEs)

- On monetary level
- Active shaping/preparation of topics' content – readiness for action
- Practice-oriented: After thorough check-up, R&D topics are in front ranks!
- Good project eligibility/fundability
- Attractive for investors
- By the way: You do not necessarily need to participate *directly* in BIC, you could choose to be represented by a *cluster*, in which you are a member.



...z. B. durch die IBB Netzwerk GmbH

Das Netzwerk
„Industrielle Biotechnologie Bayern“



... und seine Managementorganisation
**„Industrielle Biotechnologie Bayern
Netzwerk GmbH“ (IBB Netzwerk GmbH)**



Stimmberechtigtes Mitglied in BIC seit Juli 2013, s.

<http://www.ibbnetzwerk-gmbh.com/de/sub-netzwerke/bbi-und-bic/uebersicht/>

**Umsetzung wertvoller wissenschaftlicher
Erkenntnisse auf dem Gebiet der Industriellen
Biotechnologie in innovative, marktfähige
Produkte und Verfahren
= Vorantreiben erfolgreicher Innovationen**



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