



A Public-Private Partnership for Bio-based Industries

JTI Biobased Industries – eine neue Technologieinitiative stellt sich vor

Vienna, 10 September 2013

Eveline LECOQ
European Commission
Directorate-General Research & Innovation
Directorate for Biotechnologies, Agriculture, Food
Unit E2 Biotechnologies

*Research and
Innovation*

Bio-based Industries Public-Private Partnership (PPP) – Policy context

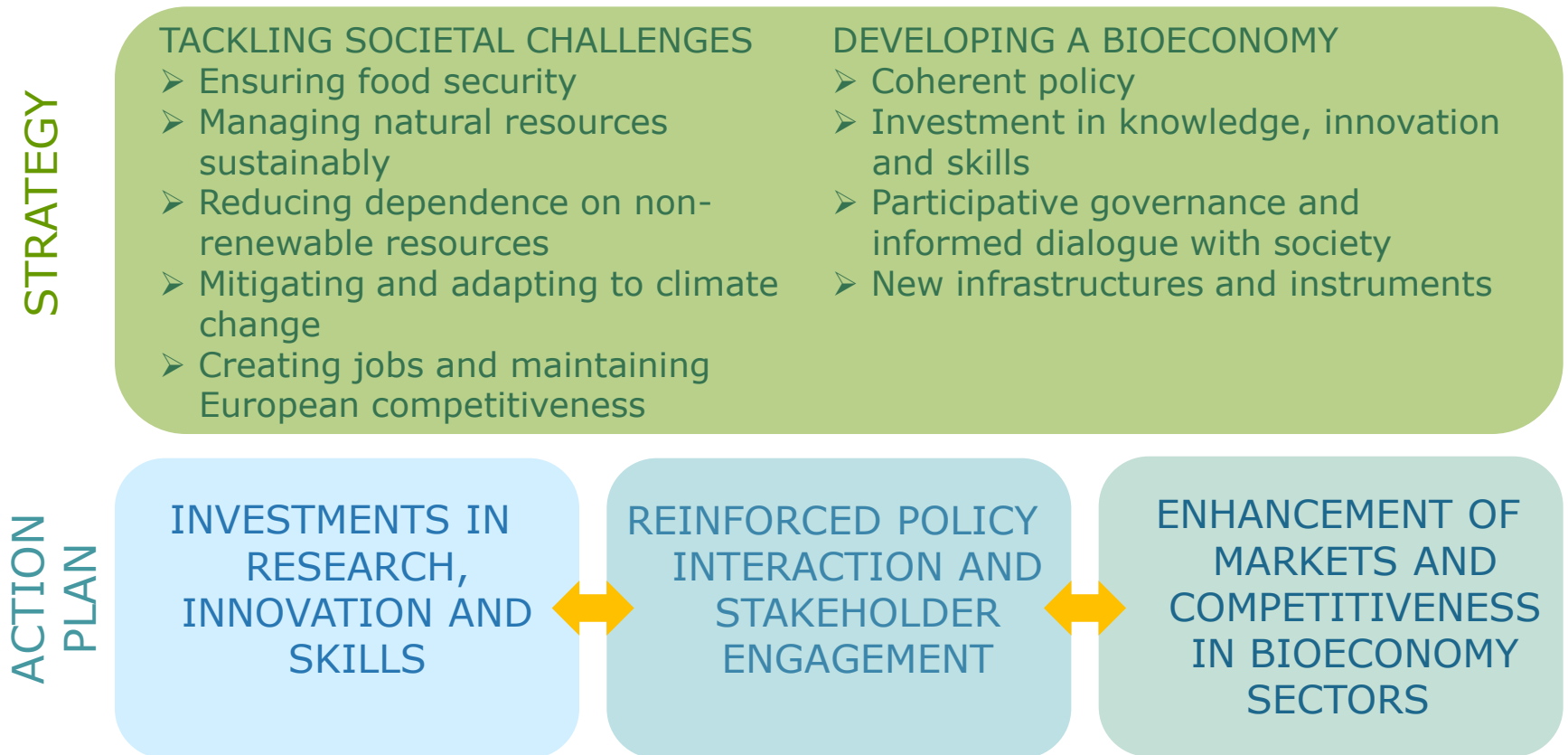
Several recent policy initiatives explicitly call for a Bio-based Industries PPP:

- **European Bioeconomy Strategy – February 2012;**
- **Updated Industry Policy – October 2012.**

Bio-based industries' potential to contribute to smart, sustainable and inclusive growth has also been recognised other recent policy initiatives, such as the:

- **European Innovation Partnership for Agricultural Productivity and Sustainability and the Revision of the Common Agricultural Policy;**
- **Smart Specialisation Strategies for Member States and Regions;**
- Proposal for the **7th Environmental Action Programme.**

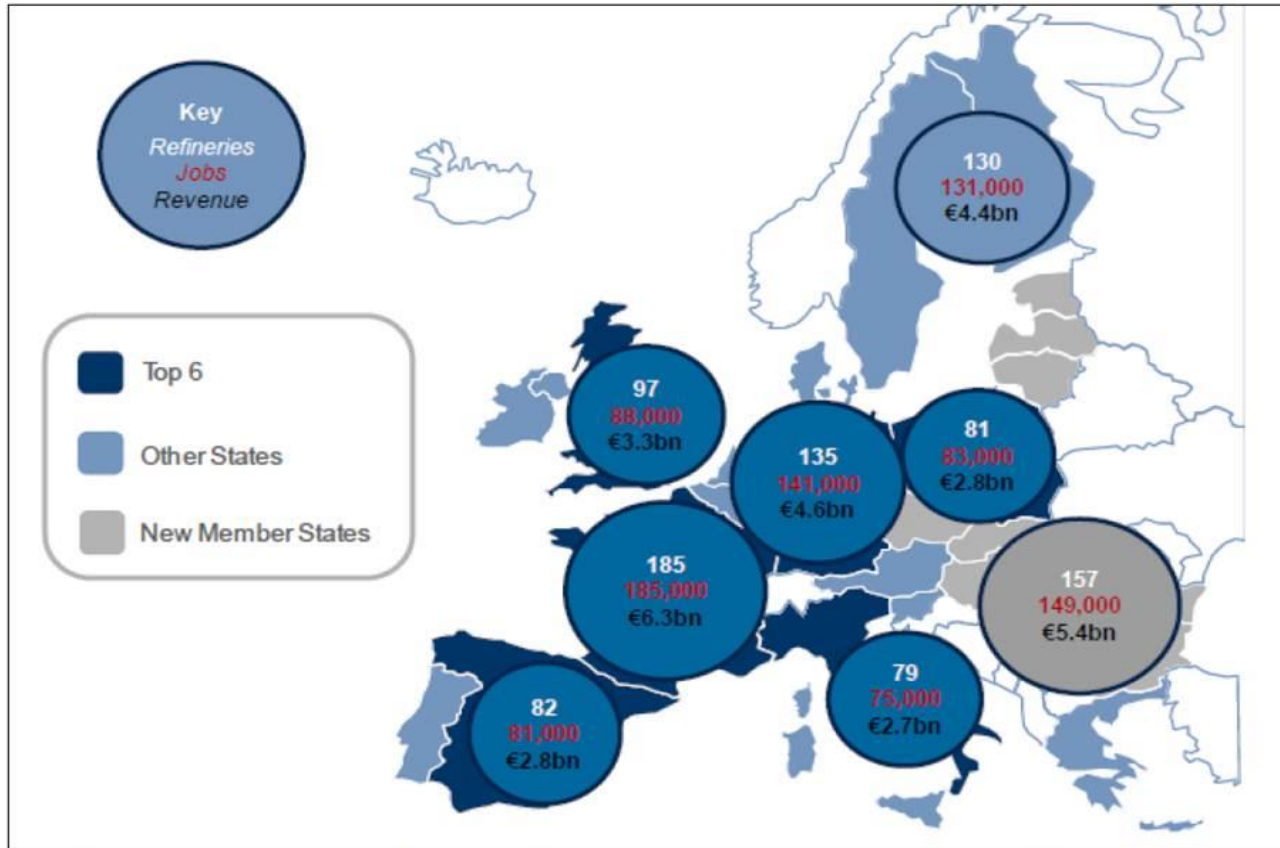
The Bioeconomy Strategy and Action Plan





European
Commission

The regional potential of bio-based industries



- Building a strong biobased economy in Europe will create both revenues and jobs directly and indirectly
- Next to direct jobs, a biobased economy will also increase farmer income and improve economic activity in developing rural regions

Note: The numbers of biorefineries are determined by the ability of each region or member state within the EU27 to supply bioproducts. Jobs in the chart represent the total man-years of employment between 2010 and 2020, not the number of jobs in 2020 alone. Included jobs are in management, operation and construction of the biorefineries. Revenues are per year
Source: Bloomberg

© Dalberg Study 2011

Horizon 2020 – What's new?

- A single programme bringing together three separate programmes/initiatives*
- Coupling research to innovation – from research to retail, all forms of innovation
- Focus on societal challenges facing EU society, e.g. health, clean energy and transport
- Simplified access, for all companies, universities, institutes in all EU countries and beyond.

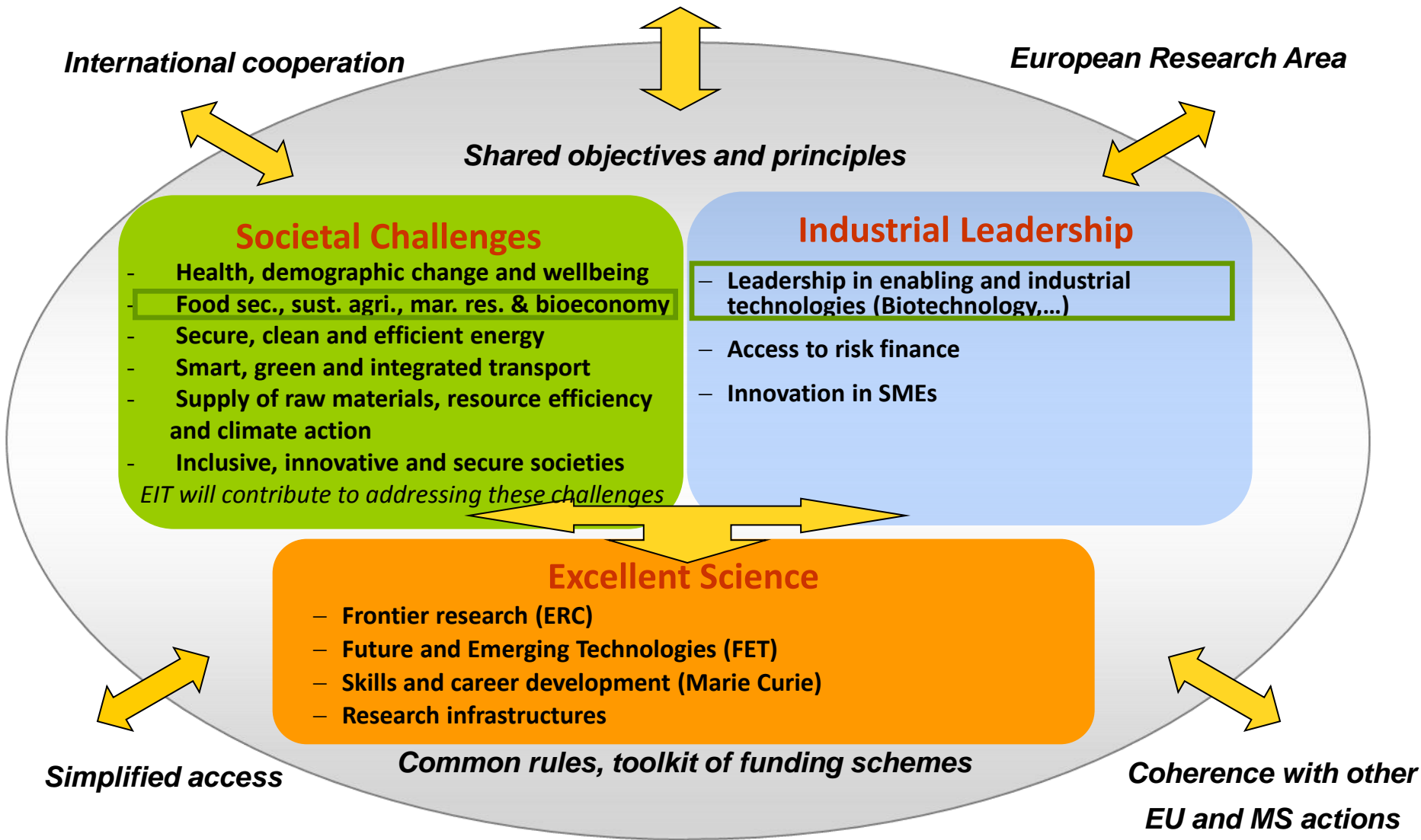
*The 7th Research Framework Programme (FP7),
Innovation aspects of Competitiveness and Innovation Framework Programme (CIP),
EU contribution to the European Institute of Innovation and Technology (EIT)



HORIZON 2020



Europe 2020 Priorities



International cooperation

European Research Area

Shared objectives and principles

Societal Challenges

- Health, demographic change and wellbeing
- Food sec., sust. agri., mar. res. & bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Supply of raw materials, resource efficiency and climate action
- Inclusive, innovative and secure societies

EIT will contribute to addressing these challenges

Industrial Leadership

- Leadership in enabling and industrial technologies (Biotechnology,...)
- Access to risk finance
- Innovation in SMEs

Excellent Science

- Frontier research (ERC)
- Future and Emerging Technologies (FET)
- Skills and career development (Marie Curie)
- Research infrastructures

Simplified access

Common rules, toolkit of funding schemes

Coherence with other EU and MS actions

Criteria for PPPs under Horizon 2020

- The added value of action at Union level;
- The scale of impact on industrial competitiveness, sustainable growth and socio-economic issues;
- The long-term commitment from all partners based on a shared vision and clearly defined objectives;
- The scale of the resources involved and the ability to leverage additional investments in research and innovation;
- A clear definition of roles for each of the partners and agreed key performance indicators over the period chosen.

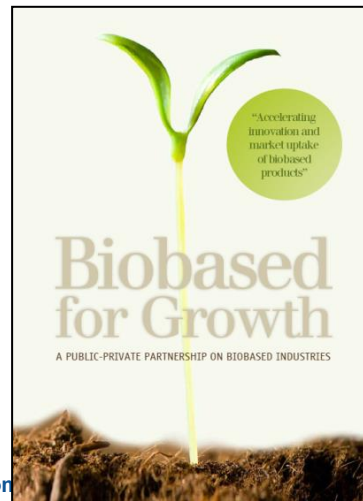
The making of the Bio-based Industries PPP

European Commission:

- **Proposal for a Council Regulation** on the Bio-based Industries Joint Undertaking
- **Public Consultation** – September - December 2012
- **Stakeholder Conference** – 9 January 2013
- **Impact Assessment**
- **Coordination with preparations of other PPPs**, i.e. IMI2, CleanSky2, FCH2 and ECSEL

Industry:

- **Vision Paper** – July 2012;
- **Strategic Innovation and Research Agenda (SIRA)** – March 2013;
- **Creation of Biobased Industry Consortium (BIC)** – December 2012.





European Commission

PPP on Bio-based Industries

European Technology Platforms

Biofuels
Suschem
Plants for the Future,
Forest-based Sector
FoodforLife

European sector organisations

COPA COGECA
CEPI
EuropaBio
ERRMA
CEFIC
European Seed Association
European Bioplastics,
FoodDrinkEurope

Industry



Research and Innovation

General principles

- Clear and ambitious objectives, contributing directly to competitiveness and EU policy goals;
- Governance to ensure openness to new participants, the allocation of funding on the basis of excellence, and efficient links with national activities;
- Simple implementation structures and rules for participants;
- Strong commitments from industry, including substantial financial commitments.

Objectives: Integrated value chains

Feedstock

Fostering a sustainable biomass supply and building new value chains

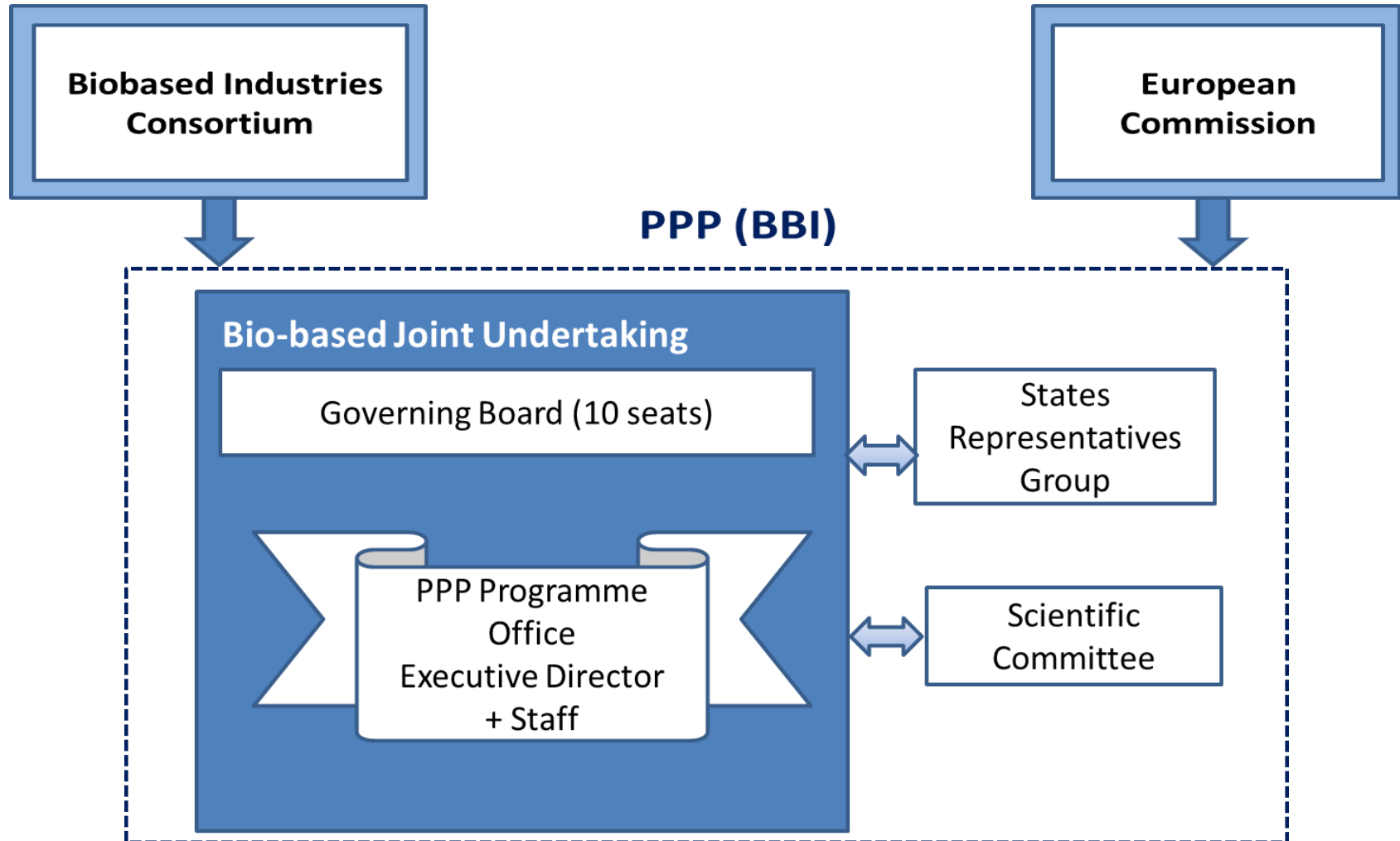
Biorefineries

Optimising efficient processing through R&D and upscaling in large-scale demo/flagship biorefineries

Markets, Products, Policy

Developing markets for bio-based products and optimising policy frameworks

Governance: Structure



Openness

- Not a closed club: BIC open to new members
- Consultation of research community and other stakeholders for drafting of work programmes
- SME-friendly measures
- Roadshow in Member States

Calls for proposals

Overall principle: Implementation according to Horizon 2020 rules

- Open competition for any research and innovation organisation
- Evaluation with independent experts
- Proposals funded on the basis of excellence

Budget

Overall budget: € 3 800 million

- EU contribution: € 1 000 million
- Industry contribution: € 2 800 million

Leverage → 2,8 € private investment for every 1 € public investment

Next steps

- Decision making process in Council (and European Parliament)
- Adoption Horizon 2020
- Adoption Council regulation on Bio-based Industries PPP



Thank you for your attention!

Eveline.LECOQ@ec.europa.eu