

BBI-JU: Bio-Based Industries Joint Undertaking

Kan og skal vi bruge BioValue i forhold til BBI?



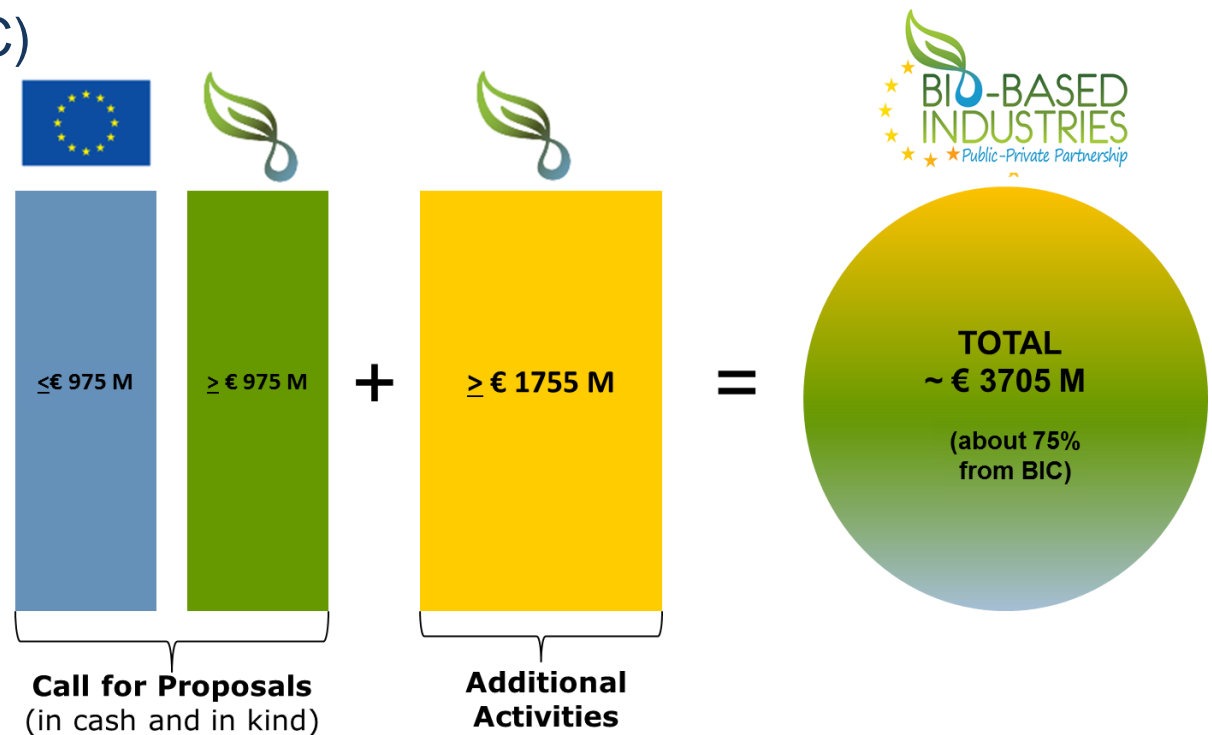


BBI-JU

PPP: EU and the Bio-based Industries Consortium (BIC)

A joint commitment of €3.7 billion over 2014-2020

- €1 billion (EU)
- €2.7 billion (BIC)





BBI Purpose

- demonstrate technologies that enable new chemical building blocks - replace the need for fossil-based inputs
- develop business models that integrate economic actors along the whole value chain
- set up flagship biorefinery plants that deploy the technologies and business models to levels that are competitive with fossil-based alternatives.



Types of actions

Research and Innovation Actions (RIA)

Solving specific technological bottlenecks/barriers to realize a value chain.

Demonstration Actions

Address a full value chain, establish a new production process and demonstrate viability for full scale replication

Flagship Actions

Develop 1st-of-its-kind complete value chain facility. Built new or upgrade existing/abandoned industrial sites



Krav: RIA, DEMO, Flagship

Konsortiekrav

Mindst 3 partnere fra 3 forskellige EU-lande eller associerede lande

Varighed og TRL

Typisk op til 4 år (RIA), op til TRL5

Typisk 4-5 år (Demo + Flagship)

Op til TRL 6-7 (Demo)

Op til TRL 8 (Flagship)

Budgetstørrelse per projekt

RIA: €2-10 mio. (ca. halvdelen er EU-medfinansiering til universiteter, GTS-institutter, SMV'er mv.)

€5-10 mio. (DEMO), €25-60 (Flagship)





BBI Work plan 2015

- Arbejdsprogrammet definerer de topics/emner, man kan søge om projektf finansiering inden for. Fem værdikæder danner rammen om de opslåede topics:
 - **Værdikæde 1 - From lignocellulosic feedstock to advanced biofuels, bio-based chemicals and biomaterials**
 - **Værdikæde 2 - The next generation forest-based value chains**
 - **Værdikæde 3 - The next generation agro-based value chains**
 - **Værdikæde 4 - Emergence of new value chains from (organic) waste**
 - **Værdikæde 5 - The integrated energy, pulp and chemicals biorefineries**



Call 1: Flagship

- 100 M euro from EU (= 200 M euro from industry)
Focuses on lignocellulosic feedstock (VC1), valorisation of cellulose (CV2) and innovative processes for sugar recovery and conversion from Municipal Solid Waste (VC4)
- **Publication date:** 19 May 2015
- **Deadline:** 15 September 2015 - (single stage call)
- Evaluering af ansøgninger: **sidst i oktober 2015**
- Info om evaluering til ansøgerne: **februar 2016**
- Underskrivelse af tilskudsftaler: **maj 2016**



Call 2: RIA, DEMO and CSA

Research and Innovation Actions, Demonstration Actions samt Coordination and Support Actions

- Indicative: 100 M euro from EU (= 200 M euro from industry)
- Offentliggørelse: **juni 2015 ?**
- Ansøgningsfrist: **november 2015 ?**



Forventede topics i 2015

Research and Innovation Actions

- Conversion of lignocellulosic recalcitrant waste from biorefineries
- Pre-treatment of lignocellulose with simultaneous removal of contaminants and separation of lignin and cellulosic fractions
- Sustainable industrial molecules from lignocellulosic feedstock
- Practices increasing effectiveness of forest management
- Sustainable cellulose based materials
- Tailoring tree species to produce wood designed for industrial processes and biorefining purposes
- Valorisation of aquatic biomass
- Innovative efficient biorefinery technologies

Projekt 6; HTL

Projekt 3

Projekt 1,2,3,6



Forventede topics i 2015

Demonstration Actions

- Lignocellulosic feedstock into advanced biofuels
- Lignocellulosic feedstock into building blocks, chemicals or materials
- Innovative cellulose-based composite packaging solutions
- Production of bio-based elastomers from Europe-grown feedstock
- High purity bio-based intermediates and end products from fats and oils
- Valorisation of residues and side streams from the agro-food industry
- Organic acids from unsorted Municipal Solid Waste
- Overcoming low product yields from fermentation processes

Følger DE FLESTE Horizon 2020 regler for deltagelse

Horizon 2020 regler for deltagelse, evalueringskriterier mv.

RIA og Coordination & Support Actions:

Kun SMV'er, universiteter, GTS-institutioner og andre non-profit institutioner samt JRC og international European interest organisations kan søge om EU-støtte til deres deltagelse.

Øvrige institutioner skal selv betale for deres deltagelse (in-cash & in-kind)

Alle typer institutioner kan søge og modtage støtte fra EU til projektdeltagelse

Primære projekttyper:

- Research & Innovation Actions (**op til TRL 5**)
- Innovation Actions opdelt i
 - Demonstration Actions (op til TRL 6-7)** og
 - Flagship Actions (op til TRL 8)**
- Coordination & Support Actions

Primære projekttyper:

- Research & Innovation Actions
- Innovation Actions
- Coordination & Support Actions

RIA: Mindst 50% af det samlede projektbudget forventes at blive dækket af industripartnerne i projektet.

Demonstration Actions: Mindst 50% af det samlede projektbudget forventes at blive dækket af industripartnerne i projektet (in-cash + in-kind). "Additional Activities" forventes.

Flagship Actions: Mindst 50% af det samlede projektbudget forventes at blive dækket af industripartnerne i projektet (in-kind). "Additional activities" forventes.

EU-finansiering op til 100% af de direkte projektrelaterede omkostninger i alle projekttyper.

Challenge: Find industry partners with right TRL. **In kind contribution** are eligible for funding according to Horizon 2020 rules but are not reimbursed by the BBI-JU. Is Danish industry interested in danish uni-partners?