Grønt informationsmøde om ’Bio-Based Industries Joint Undertaking’, GUDP, MUDP og Grand Solutions

03. februar 2020
Teknologisk Institut, Køngsvangs Allé 29, 8000 Aarhus C.

News from The Biobased Industries Consortium (BIC) and Benefits for Members
Kell Andersen, Project manager, PhD
Agro Business Park
Agro Business Park (ABP) is a non-profit private company and cluster

**Innovation** - specialize in knowledge based innovation and entrepreneurship

**Incubation** - >50 SMEs at three locations

**Investment** - ABP invest in the most promising start up businesses.

ABP coordinate a number of **Initiatives**
- The National Innovation Network for Bioressources (INBIOM)
- The National Innovation Network Danish Food Innovation (DFI)
- Future Food Innovation
- Danish Insect Network
- Danish Biogas Network
- INAGRO – Network for Agro-industry Innovation

Each year ABP (co-)organize >80 **events**
- The European Bio Economy Venture Forum
- Circular Bioeconomy Days
- The European Food Venture Forum
- Danish Bioeconomy Conference

**Memberships**
- National Bioeconomy Panel
- Biobased Industries Consortium (Full-Member – SME Cluster)
The Bio-based Industries Consortium (BIC) is the private partner in the Public-Private Partnership on Bio-based Industries with the EU

MISSION
• Build new bio-based value chains (develop new technologies, products and applications, optimise feedstock)
• Create favourable business and policy climate to accelerate market uptake

ACTIVITES
• **Represent the private sector in the BBI JU**
• Set up and update the BBI’s Strategic Innovation and Research Agenda (SIRA)
• Mobilise stakeholders: industry, research organisations, universities, regions and other relevant stakeholders across Europe
• Assist members gaining better access to European financial instruments
Opportunities for members of

• Connect with potential project partners at BIC events + partnering platform
  • 239 Industry members, 38 Large Enterprises, **201 SMEs (138 by clusters)**
  • >200 associate members i.e. universities, RTOs, associations etc.
• Defining the BBI annual Work Plan
• Taking part in winning EU grant proposals
  • 64% of BIC large enterprises, SMEs and SME clusters are represented in granted BBI JU projects (2014-2017)
• Access to European financial instruments.
• Receiving discounts for major events
BIC Programming working group (PWG)

The PWG consists of all industry members and has as a prime task the development of the topics for the Annual Work Plans (AWPs).

A small Programming Core Team (PCT) prepares details of the topics for further discussion with the PWG.

The PWG works with the associate members to increase the innovativeness level of the topics and ensure their ability to realise the strategic orientations of the bio-based industry in Europe.

The basis for the AWP topics is an annual Priority Paper, developed with input from industry and associate members, advisory bodies of the BBI JU and other relevant stakeholders. The topics therefore have the support and commitment of BIC’s industry members and are relevant to the bio-based industries sector as a whole.

The PWG also assists in updating the Strategic Research and Innovation Agenda (SIRA) when needed.
## BIC - Programming Core Team (PCT)

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Matchmaking event 2020
- 13th of February
Danish participation

**BioBarr**
New bio-based food packaging materials with enhanced barrier properties

**BIOSKOH**
BIOSKOH's Innovation Stepping Stones for a novel European Second Generation BioEconomy

**DEEP PURPLE**
Conversion of diluted mixed urban bio-wastes into sustainable materials and products in flexible purple photobiorefineries

**ECOXY**
Bio-based recyclable, reshapable and repairable (3R) fibre-reinforced EpOXY composites for automotive and construction sectors.

**EnzOx2**
New enzymatic oxidation/oxyfunctionalization technologies for added value bio-based products

**MACRO CASCADE**
Cascading Marine Macroalgal Biorefinery

**PEFerence**
From bio-based feedstocks via di-acids to multiple advanced bio-based materials with a preference for polyethylene furanoate

**Pro-Enrich**
Development of novel functional proteins and bioactive ingredients from rapeseed, olive, tomato and citrus fruit side streams for applications in food, cosmetics, pet food and adhesives

**PROMINENT**
Protein Mining of Cereal side-streams Exploring Novel Technological Concepts

**RelInvent**
Novel Products for Construction and Automotive Industries Based on Bio Materials and Natural Fibres

**TECH4EFFECT**
Techniques and Technologies for Effective Wood Procurement

**URBIOFIN**
Demonstration of an integrated innovative biorefinery for the transformation of Municipal Solid Waste (MSW) into new BioBased products

**UrBIOfuture**
Boosting future careers, education and research activities in the European bio-based industry

**VAMOS**
Value added materials from organic waste sugars

**WASEABI**
Optimal utilization of seafood side-streams through the design of new holistic process lines
This project has received funding from the Bio Based Industries Joint Undertaking under the European Union’s Horizon 2020 research and innovation programme under Grant Agreement No. 792050
UrBIOfuture - Boosting FUTURE careers, education and research activities in the European bio-based industry

Objectives

- To map completed and ongoing programs addressing curricula that involve bio-based activities
- To foster the interaction and alignment among educational and research institutions and industry
- To identify current education and professional gaps and skills mismatch in the bio-based field
- To provide the bio-based industry and sector with a basis for promoting careers in the bio-based sector, the so-called “UrBIOfuture experience”

To disseminate and exploit UrBIOfuture

Support and contributions from:

- KMC
- Unibio
- Nordisk Tang
- Tailorzyme

Haldor Topsøe
GEA
BiomassProtein

BBI contribution: 1 M Euro

This project has received funding from the Bio Based Industries Joint Undertaking (JU) under the European Union’s Horizon 2020 research and innovation programme under grant agreement No 837811.
This project has received funding from the European Union’s Horizon 2020 research and innovation programme under Grant Agreement No 818312

Project Budget 10.9 M Euro
DK budget 4.12 M Euro
Unibio 3.35 M Euro
BBI AWP - 2020 – Budget and highlights

- **Total Budget 2020 - 87 M Euro** (2019 – 135 M Euro)
  - Research and innovation actions – 22 M Eur
  - Innovations actions – demonstration actions – 28 M Eur
  - Innovation actions – flagship actions – F1 – 16 M Eur
  - Innovation actions – flagship actions – F2 – 16 M Eur
  - Coordination and support actions – 5 M Eur

- **BBI2020.SO4.S2** — PROVIDE INSIGHT ON EMERGING TECHNOLOGIES FOR BIO-BASED VALUE CHAINS
  - Contribution – EUR 1 million

- **BBI2020.SO2.R2** — DEVELOP INTEGRAL FRACTIONATION OF LIGNOCELLULOSE TO PRODUCE COMPONENTS FOR HIGH-VALUE APPLICATIONS
  - Contribution - *EUR 2 million and EUR 5 million*

- **BBI2020.SO1.D1** – Resolve supply-chain hurdles for turning residual waste streams into functional molecules for food and/or non-food market applications
  - Contribution - *EUR 7 million EUR*

- **BBI2020.SO1.F2** — Produce food ingredients with high nutritional value from aquatic sources
  - Contribution - *EUR 16 million*
BBI AWP - 2020 – considerations

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2019 - Proposals evaluation

- CSA - total 13 proposals
- RIA - total 104 proposals
- IA - DEMO - total 58 proposals
- IA - FLAG - total 9 proposals

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2020 – recommendations

- Solid Concept
- Strong Partnership/consortium
- Excellent proposal with high impact and in-kind contribution
  - Address all text in topic + requested information found in AWP
Agro Business Park (ABP) is one of the Danish network partners – and the one focussing on food & bioresources

Matchmaking and partner searches: Commercial, technology as well as project partners

Network partners in +65 countries. With specific areas and/or general service areas

ABP offers to seek foreign partners for Danish knowledge actors or companies (especially SMEs) for their own project proposals/consortia

ABP offers to keep an eye on foreign partner searches disseminated in the network, where DK is the target country or is among the target countries.
Ansøgningsfrister 2019
• Tirsdag den 25. februar 2020, kl. 12:00, Tirsdag den 19. maj 2020, kl. 12:00

Who Qualifies for Grants?
Danish enterprises and research institutions can apply for funding to cover up to 50 % of the costs connected to the preparation of an application for one of the programmes under Horizon 2020.

Which Expenses does the Funding Cover?
You can apply for funding to cover expenses defrayed during the grant period. The expenses must be relevant, necessary and directly connected to the preparation of the application. The expenses must belong to one of the following categories:
- Payroll costs
- Travel expenses
- External assistance

Grat size
- Partner 50.000 DKK
- Coordinator 75.000 DKK

https://ufm.dk/forskning-og-innovation/tilskud-til-forskning-og-innovation/find-danske-tilskudsprogrammer/euopstart
24 very different – but all very competent colleagues ready to help!
BBI JU INFO DAY 2020
22 April 2020 in Brussels
https://www.bbi-europe.eu/events/bbi-ju-info-day-2020

THANK YOU FOR THE ATTENTION
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