



# Annual Report 2022





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# About the Bio-based Industries Consortium (BIC)

The Bio-based Industries Consortium (BIC) is a leading membership-based association pioneering a sustainable circular bioeconomy in Europe.

Its membership includes 240+ industry members covering the whole value chain, from primary production to the market, across multiple and diverse sectors, such as agriculture & agri-food, aquaculture & marine, chemicals and materials, including bioplastics, forestry and pulp & paper, market sectors, technology providers and waste management & treatment.

BIC's membership also includes over 200 associate members such as research organisations, academia, trade associations, etc.

**+240** Industry members

**+200** Associate members

In addition to providing services to members, BIC is also the private partner in the [Circular Bio-based Europe Joint Undertaking \(CBE JU\)](#) – a two billion euro public private partnership with the European Commission.



**BIC's mission is to connect industry, academia, regions and citizens to transform bio-based feedstocks into novel sustainable products and applications, and to create circular bioeconomy ecosystems through investments, innovation and know-how.**



## Message from the BIC Executive Director

DIRK CARREZ

Dear BIC members,

After two years of pandemic-related restrictions that included quarantines and virtual meetings, life began to slowly take on the semblance of normality in 2022.

Importantly for BIC, we were happy to once again connect with members through live events. We welcomed 120 people to our General Assembly and industry dinner in May at The Hotel in Brussels. The following day, 230 members joined us at BluePoint Conference Centre for the 2022 edition of the BIC Matchmaking event, which broke previous records with more than 500 one-to-one meetings taking place!

Two new members of staff joined BIC, as we built on the strong progress of the BIC 2.0 Business Plan, carrying out more work under the four pillars of BIC's activities: the CBE JU, business, finance, and society. For the first time, in October, we co-organised with TechTour the "Bio-based Scaling and Finance Forum" (BSFF) in Wuppertal, Germany. This pitch event helped start-ups and SMEs connect with representatives from large companies (as corporate investors) and investment organisations in the bio-based industry.

Another milestone was the publication of the first CBE JU Annual Work Programme in December. In this Annual Report, you can read more about the activities we organised for you in 2022.

Looking towards the future, 2023 will see BIC's programming activities return to the schedule you are more accustomed to. We will start some new initiatives, such as a new bio-based industries investment programme with TechTour, and an open innovation challenge exclusively for our Industry and Associate members. The BISC-E student innovation competition will also be back on a larger scale.

Finally, I am proud to announce that 2023 sees the 10-year anniversary of BIC. We'll mark this great achievement with a celebration event in October, "Sowing the seeds of Europe's bio-based revolution".

I would like to thank you all for your participation in physical and virtual events, webinars, working groups and more. Without your constructive participation, BIC simply cannot exist.



## Message from the BIC Board Chairperson

ROB BEEKERS



**Sustainable and reliable supply chains for food, energy and materials are critical. The need to accelerate the phasing out the use of virgin fossil feedstocks has become a top priority. Availability of renewable carbon and innovation in technologies to convert that into products will be vital. This is where BIC and our members play a crucial role.**

Dear BIC members,

I was honoured to be appointed as Chairman of the BIC Governance Board in June, taking over from Mat Quaadvlieg who served in this role for almost five years and has been a key contributor to where we stand today as BIC. In the Board, I represent Cargill. We have been a member of BIC since the early days when it was founded, and we consider it to be a very important body for the industry to engage in.

Even more than before, current times challenge us on how we sustain our living within the boundaries of this planet. Geopolitical conflicts; viruses and modern diseases impacting human health; droughts; floods; pollution; growing and aging populations – the list of large impact factors seems endless. Traditional economic models are being challenged. Public stakeholders are revising their viewpoints on how to best serve the interests of the people in their countries and formulate new policies based on that.

In 2022, the first Annual Work Plan under the Circular Biobased Europe Joint Undertaking took effect with 21 project proposals that will receive a grant. In December, the topics for the AWP 2023 were released.

Whether it is as a consortium member in one of those projects or through a different collaborative effort, I encourage all BIC members to reach out to others. BIC members should form partnerships that will allow the unlocking of knowledge and capabilities that others may have, complementary to yours. Such partnerships will lead to the developments we need to succeed in transforming Europe's linear economy to a true circular society.

I very much look forward to seeing more and more of those partnerships taking effect in 2023.



# Changes at BIC

## BIC statutes

We updated BIC statutes this year for two reasons:

1. to bring the statutes in line with the new Belgian regulation for non-profit organisations
2. and to integrate the new system to collect project contributions, which are used to finance the administrative cost of the CBE JU.

This led to the creation of four new categories for Industry (Full) Members and four for Associate Members.

### ➤ Industry (Full) Members

|  |                                   |
|--|-----------------------------------|
| <b>CATEGORY 1</b><br>Large companies   | <b>CATEGORY 2</b><br>SMEs         |
| <b>CATEGORY 3</b><br>Micro-entreprises | <b>CATEGORY 4</b><br>SME Clusters |



### ➤ Associate Members

|  |   |  |  |
|--|---|--|--|
| <b>CATEGORY A</b><br>Individual research organisations such as RTOs and universities | <b>CATEGORY B</b><br>National and regional clusters and associations representing research organisations, and European Technology Platforms | <b>CATEGORY C</b><br>European industry trade associations, NGOs and other European, national or regional organisations | <b>CATEGORY D</b><br>Consultants & consultancies |
|--|---|--|--|



➤ A new sub-category of “Project member” has been created for Industry Members. This is a temporary ‘status’ for industry actors that are not yet BIC members, but part of a consortium that has submitted proposals for IA demo and flagship topics. They must become BIC Industry Members in categories 1, 2, 3 or 4 if their project proposal is selected to receive a CBE JU grant.

## Welcome to our new colleagues!



Sophia De Smet took over the role of Communications Manager from Ben Kennard in January 2022. Following several years as a journalist in the UK and Europe, she moved into Communications for NGOs and IGOs.

Sophia previously worked in Communications for a Support Unit of the EU's Directorate General for Maritime Affairs (DG MARE).



Samuele Ambrosetti joined BIC in May to take on responsibility for BIC's programming activities (such as the CBE JU Annual Work Programmes) and for innovation brokerage. Samuele is a familiar face to most members.

He previously worked alongside BIC as a consultant and supported several national and EU-wide industrial clusters and associations to develop and implement SRIAs, roadmaps and R&I programmes.

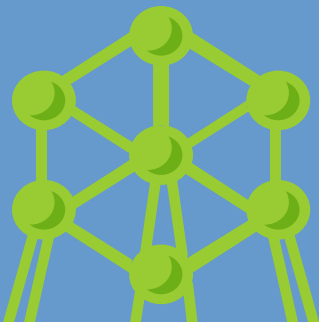


**Rob Beekers**  
BIC Chairman, Cargill



**Mat Quaadvlieg**  
Sappi

May also saw Rob Beekers (Cargill) take over from Mat Quaadvlieg (Sappi) as Chair of the BIC Board.





# Our communications and public affairs work in 2022



## Publications

- [European Bioeconomy in Figures 2008 – 2019](#)
- BIC commissioned IEEP to make an [update of their BIC briefing](#) on the EU taxonomy in light of new recommendations for technical screening criteria being developed and published by the Platform on Sustainable Finance
- A new brochure explaining BIC – who we are and what we do



## BIC contributions to EU consultations



- [EU certification of carbon removals](#)
- [EU policy framework on biobased, biodegradable and compostable plastics](#)
- [EU consultation on European bioeconomy policy: stocktaking and future developments](#)
- [EU communication on a policy framework for biobased, biodegradable and compostable plastics](#)
- [EU Packaging and Packaging Waste Regulation \(PPWR\)](#)



## Collaboration with members and partners

- [How the Bioeconomy contributes to the European Green Deal](#) (European Bioeconomy Alliance)
- [Best-practice case studies: EUBA members' contributions to the EU Bioeconomy Strategy and Green Agenda](#)
- BIC surveyed Industry Members on the direct and indirect impacts to their bio-based businesses of the war in Ukraine and in the context of the geopolitical crisis. We shared the survey outcomes with the European Commission in an effort to raise awareness and find solutions.
- We kept BIC members informed about a range of relevant topics through nine webinars all of which were recorded so that members can watch them online at a later date.
- External speakers at the webinars included EU Commission, think tanks and other EU stakeholders.





## Social media

➤ BIC created a Facebook page which gained +330 likes.



Please like and share our new page!

# 7.6K



## Followers on Twitter

# 6.9K



## Followers on LinkedIn

# +3K



## views on the BIC YouTube channel



Our goal (the European Commission) is transformative change for the European economy and systematic sustainability for all the major sectors... Biotechnology and bio-based industries will be key players in the process.

**Virginijus Sinkevičius**,  
Commissioner for Environment,  
Oceans & Fisheries, European  
Commission



We're the first civilisation that understands this dilemma, trying to reconcile the biosphere and the economy. With the CBE JU, we're no longer talking about whether we can move to resolve these issues, we've started to show how we are going to do it.

**John Bell**, Director on Healthy  
Planet (DG RTD), European  
Commission



And we all know, Europe is a powerhouse in science... But we also face a big paradox: We, Europeans, are excellent in making science with money. But we are not so good in making money out of science.

**Ursula von der Leyen**, President of  
the European Commission



I think we need to put emphasis on innovation to foster virtuous approaches in such relevant areas of our [Europe's] economy. Many domains will certainly benefit from bio-inspired innovations, the use of new materials and products with low ecological footprint preventing and mitigating pollution.

**Mariya Gabriel**, Commissioner for Innovation, Research,  
Culture, Education and Youth, European Commission



# CBE gets underway



- BIC began 2022 with a webinar explaining the rules of the CBE JU to members, thus encouraging them to get as much benefit as possible out of the partnership.

We followed this up with another webinar outlining the new financial commitments needed under CBE JU. Both webinars were well-attended and BIC members had the opportunity to have any questions answered.

[WATCH THE WEBINAR](#) →

- The 2022 call opened in June. To help members submit the best possible proposals, we organised a webinar with advice on how to write a good proposal for CBE JU projects. The tips and tricks were delivered by experts from the strategic consulting service, Catalyze.

[WATCH THE WEBINAR](#) →



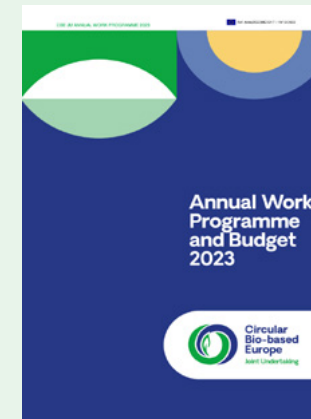
- 2022 saw finalisation of the CBE AWP 2022 (the first one under the new JU), launched in May, and the preparatory work for AWP 2023, which took the second part of the year.

We spent the first months of 2022 working closely with the European Commission and the CBE Programme Office to publish the Strategic Research and Innovation Agenda (SRIA) 2030, which identifies the main technological and innovation challenges of the circular bio-based industry.

This key document provides the agreed framework for funding projects and research programmes under the CBE JU.

- In January 2023, it was announced that 21 projects had secured nearly

**€120M**  
of **CBE JU funding**



- Towards the end of 2022, BIC collaborated with European Commission and the CBE Programme Office to successfully launch the Annual Work Programme for 2023, which has information about the 18 topics covered in the next call for project proposals.



BUSINESS

# Identifying new bio-based opportunities



With the idea of introducing BIC members to lesser-known sustainable feedstock and resources, BIC organised a [three-part webinar](#) focusing on marine and aquatic biomass (M&A). We explained what M&A biomass is and how it can be part of the solutions to major challenges. The webinars demonstrated current and emerging uses of M&A-based products in different high-value applications ranging from food and feed to bioplastics, pharmaceuticals, and cosmetics.

[READ THE COVERAGE OF BIC'S MARINE & AQUATIC WEBINAR](#) →



Helping members to access finance is a top priority for BIC. This need is paramount, with funding gaps often appearing in projects scaling up from pilot to demonstration plants, and moving from demonstration to flagship/first-of-a-kind (FOAK) and industrial-scale projects.

We organised a webinar which included a presentation on the opportunities of the [European Circular Bioeconomy Fund \(ECBF\)](#), a dedicated fund investing in growth-stage companies in the European bioeconomy. [MPowerBio](#) were there to talk about bringing SMEs across the financial valley of death.

[WATCH THE WEBINAR](#) →





➤ Following on from BIC commissioning IEEP to prepare an update to its 2021 briefing, a webinar gave BIC members the chance to go through the updated report. This allowed BIC members to better understand the relevance and impact of the proposed technical screening criteria being developed and published by the Platform on Sustainable Finance.

[WATCH THE WEBINAR](#) →



➤ The annual European Bioeconomy in Figures report commissioned by BIC highlights the macroeconomic effects generated by the bioeconomy in Europe. This edition covers 2008-2019 and demonstrates that the bio-based industries made a contribution of more than 840 billion euros to the European economy – an increase of 34 billion euros (+4 %) compared to 2018.



➤ At the General Assembly on 18 May, seven new member companies and winner of the 2021 BISC-E competition (Waterskins) pitched to introduce themselves.

A record number of 1-to-1 meetings took place at the Matchmaking event on 19 May – more than 500! There were also nine workshops on relevant topics held throughout the day.

[WATCH THE MATCHMAKING EVENT](#) →

[CHECK THE PICTURES FROM THE EVENT](#) →



## FINANCE

# Securing access to new sources of finance



➤ For the first time, BIC co-organised with [TechTour](#) the Bio-based Scaling and Finance Forum (BSFF) in Wuppertal, Germany on 4 October. With the aim of creating partnerships to secure the financing needed to bring bio-based innovations to market, 17 start-ups and SMEs pitched their businesses to 22 representatives from large companies (corporate investors) and investment organisations in the industry.

The large companies also had the opportunity to reverse pitch to the start-ups and SMEs, outlining their areas of interest for investment.

[CHECK THE PICTURES FROM THE EVENT](#) →

➤ Engagement and cooperation with regions remains key for BIC to create local value chains and access to finance, in order to helping regions and industry bridge the gap between bio-based investment opportunities and financial incentives at regional level.

The [BIC Bioeconomy Funding Platform](#) contains a database of regional financial incentives and support mechanisms for larger investments. A major achievement was the launch of a [new search function](#) for the database in May and its update in December.

➤ At the General Assembly, there was a demonstration of the new search function and a panel discussion on regional funding that included Secretary General of [BioEast](#), Barna Kovács; Jean-Michel Buf from the [Pays de la Loire Regional Council](#); Francisco Barros Castro, Policy Expert for the [EU Commissioner for Cohesion and Reforms \(Elisa Ferreira\)](#); and Elaine Groom, Northern Ireland Contact Point at [Horizon Europe](#).

➤ A webinar including BIC members, regions and representatives from the EU institutions was organised in the context of the updated BIC regional funding platform, the [JRC report](#) on bioeconomy strategies in the regions, as well as new developments in regional funding programmes.

[WATCH THE WEBINAR](#) →



# ENVIRONMENT

## How the bio-based industries can contribute to a circular economy in Europe



As part of the BIC public affairs work, we engaged with the European Commission on the so-called Packaging and Packaging Waste Regulation (PPWR) and which was published 30 November.

**The bio-based sector contributes to the EU's ambition towards a circular and carbon neutral economy by bringing reusable and recyclable packaging on the market.**

In general, BIC believes the PPWR provides a framework to grow the bio-based industry in Europe and it should explicitly recognise the benefits of using recyclable and renewable feedstock in packaging solutions. There is no one-size-fits-all solution in the field of circular packaging. BIC believes that the PPWR should recognise there is a clear need for different types of packaging and the packaging materials should be chosen to fit the purpose.

BIC welcomes the inclusion of sustainably sourced bio-based carbon to replace fossil carbon in the EU Communication on sustainable carbon cycles. The EU bioeconomy is contributing towards sustainable carbon cycles. Carbon removal certification can better demonstrate that contribution. The bio-based sector is instrumental to the EU's ambition of sustainable carbon cycles and climate mitigation by reducing atmospheric carbon and generating circular bio-based loops.

The war in Ukraine has had myriad economic effects in Europe, effects which have hit supply chains particularly hard. However, it has spurred the bloc on in efforts to become more self-sufficient and innovative. BIC believe that the bio-based industry can play a larger role in these efforts as BIC's Marco Rupp explained in a blog post in Agro & Chemistry.

[READ THE BLOG POST](#) →



BIC is a member of the European Bioeconomy Alliance and the group produced a report outlining how the bioeconomy can contribute to European Green Deal objectives and ensuring food security.



## AWARENESS

# Promotion of the bio-based industry



Image above. Papira™ & Fibrease® bio-based alternatives

➤ The [BIC Investment Portal](#) featured 18 projects representing more than 2.9 billion euros of investment in Europe’s bio-based industry by BIC members.

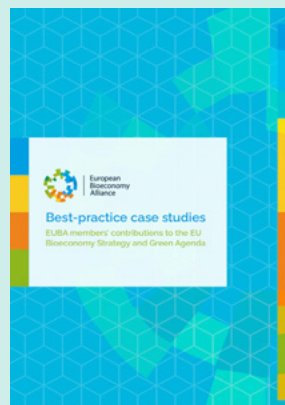
The Investment Portal aims to raise the visibility of BIC member bio-based investments to audiences of European and national policymakers. All investments on the portal are promoted across the BIC social media channels.

➤ In the run up to the EU’s Bioeconomy Conference in October, BIC ran a social media campaign to reinforce the significance of Europe’s bio-based industry.

As well as sharing lot of BIC content for information and promotion of the bio-based industry, we also gained many new fans and followers on LinkedIn, Twitter and Facebook.



Image above. Kuura textile fibre from paper-grade pulp



➤ BIC contributed to a EUBA brochure highlighting on the ground projects and examples across the bioeconomy value chain. The brochure shows in concrete ways how the bioeconomy already contributes to the goals of various EU Strategies and its Green Agenda.

The BIC-supported bio-based project is EMBRACED, which turns Absorbent Hygiene Products (AHP) into bio-based building blocks, polymers and fertilizers.



## EDUCATION

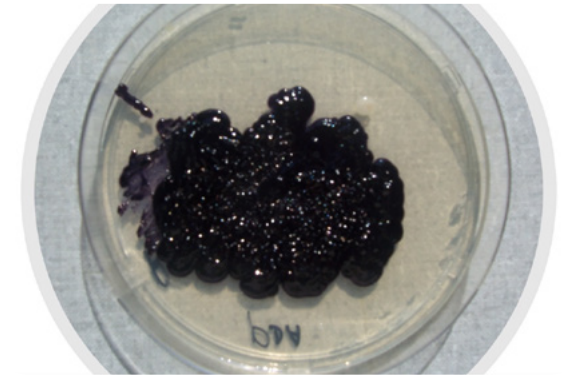
# Aligning education and bio-based industrial needs



➤ Team GENAB from the University of Piemonte Orientale (Novara, Italy) won the 2022 [Bio-based Innovation Student Challenge \(BISC-E\)](#) with their innovative way of making rubber from black yeast.

Part of GENAB's prize is a one year complimentary BIC membership. Students from seven European countries participated: Belgium, France, Ireland, Italy, Lithuania, the Netherlands and Slovenia.

[READ MORE ABOUT BISC-E](#) →



*Image above. Team GENAB's black yeast. With its low nutrient requirements and thermo-tolerance, black yeast would be ideal for producing ectopic rubber particles.*

➤ BIC continued to be a mentor on the Blue Bio Value (BBV) Acceleration Programme in 2022, as we have done since it began in 2017. The programme aims to accelerate start-ups that operate in value systems of marine bio-sources and boost innovative sustainable blue bioeconomy projects.

As a mentor (now referred to as 'Network Member'), BIC provides advice to 5-6 start-ups. The 2022 winners (and recipient of a one year complimentary BIC membership) is [Sophie's BioNutrients](#) from the Netherlands.

[READ MORE ABOUT SOPHIE'S BIONUTRIENTS](#) →





## BIC in 2023 and beyond ...



### 10 years of BIC!

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In 2023, we will celebrate BIC's 10-year anniversary with a special event. "Sowing the seeds of Europe's bio-based revolution" will take place at Le Plaza Theatre in Brussels on 5 October. With keynote speakers, panel discussions, food, drink and entertainment, we will reflect on BIC's journey so far and how we can continue to help the bio-based industry to make an impact in Europe.



### New investment programme

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As of 2023, BIC will embark on a three-year partnership with TechTour to set up an 'Investment Programme'. It will include organising one leading Investment Event Programme per year, and several preparatory (regional) scouting and selection events and meetings to review strategies (coaching events). This should facilitate (co-)investments, scaling up with partnerships, and developing excellence.

The best rated companies from several similar 'Investment Programmes' will then be invited the next year to a so-called 'Scaling Programme' (which includes access to experienced mentors, meeting investors at targeted events, offering additional visibility, etc.).



# BIC governance, working groups and networks

## Board of Directors in 2022

BIC is managed by the Board of Directors whose members are legal entities and are elected by the General Assembly. The Board of Directors represent a balanced reflection of the composition of the industry members. The Board of Directors are renewed annually by half.



**Rob Beekers**  
Chairman, Cargill



**Michelle Collins**  
Glanbia/Tirlàn



**Serge Creutz**  
Dow



**Claus Crone**  
Fuglsang  
Novozymes



**Milica Folic**  
Haldor Topsoe



**Gloria Gaupmann**  
Clariant



**Giulia Gregori**  
Novamont



**Christophe Luguel**  
Bioeconomy For  
Change (B4C)



**Alex Michine**  
MetGen



**Mat Quaedvlieg**  
Sappi



**Frank van Noord**  
Cosun



**Hendrik Waegeman**  
Bio Base Europe  
Pilot Plant



## General Assembly

The General Assembly is convened by the Executive Director and meets at least for one ordinary meeting per year. An Industry (Full) member can be represented at the General Assembly by one delegate. The General Assembly has full power of decision to attain and implement the objectives of BIC.

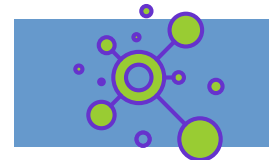


## Programming Working Group (PWG)

The Programming Working Group (PWG) develops the long-term (Vision), medium-term (Multi-annual Programming document) and short-term (Annual Work Programmes) strategic research and innovation actions to achieve the goals of the public-private partnership with the European Commission.

The topics in the AWP are launched annually calling for proposals to resolve the challenges. Each industry member must designate one representative and a back-up. The PWG works collectively to propose priorities for topics, to be discussed with associated members then subsequently the BIC Board and the European Commission.

A Programming Core Team (PCT) consisting of 15-18 industry members representing the membership in terms of size, key bio-based innovation focus and geography assists BIC staff with specific input on technical details of topic content and answers on topic interpretation questions.



## Associate Members Working Group

The non-industry members contribute to the AWP with latest innovative technologies and insights. BIC has set up a system to further enhance the participation of the AM in programming and education activities.





## Public Affairs Working Group

The goal of the BIC Public Affairs Working Group (PA WG) is to promote the bio-based industries and position our industry as a leader in providing sustainable, bio-based solutions. Our public affairs work is about our industry as key driver of achieving core EU (policy) objectives and to achieve a favourable policy, regulatory and financing framework for the bio-based industries.

The BIC PA WG leads on BIC advocacy work, engagement with political stakeholders, drafting position papers and building alliances to reach this objective. The BIC PA objectives are aligned with the members' priorities as formulated in the Strategic Research and Innovation Agenda (SRIA) and in the context of European political initiatives, in particular, the European Green Deal.



## Communications Network

The Communications Network consists of a group of representatives responsible for communication and press who share communications materials of mutual interest.

Members of the network can share materials to be published on BIC channels e.g. newsletter and social media and BIC will occasionally share communications materials with the designated representative. Participants includes BIC members, representatives from BBI CBE projects, BIC partner organisations, etc.



# Current industry and associate members

BIC welcomed 14 new industry members and 26 new associate members to its fold in 2022. BIC's new members reflect the growing efforts to convert the countless carbon compounds in biomass into chemicals and material components for a stronger circular bio-based economy in Europe.

## INDUSTRY MEMBERS

● SME ● Large enterprise ● Cluster

- A4F - Algae for Future
- AB InBev
- ADM
- AEP Polymers
- Aida Nano SL
- AlgaEnergy
- Alginor
- Antonio Tarazona
- API Europe MEPE
- Arbiom
- AVA Biochem
- Avantium
- BASF
- BE-Basic
- Bio Base Europe Pilot Plant
- BioBased Delta
- Bioeconomy For Change (B4C)
- Bio-mi
- Bionet Servicios Tecnicos
- BIOPRO Baden-Württemberg
- Biosyntia
- Biosphere Srl
- Biotrend
- Bloom Biorenewables
- Borregaard
- Braskem
- BPF - Bioprocess Pilot Facility
- Cargill
- Cellicon
- ChainCraft B.V
- Clariant
- CLIB2021
- CLIC Innovation
- Cluster FOOD+i
- CMP - Commercial Mushrooms Producers Ltd
- Consorzio Italbiotec
- Corbion
- Cosun
- CRCF - Centro Ricerche per La Chimica Fine
- CTA - Technological Corporation of Andalusia
- Diversey
- Dow Europe GmbH

NEW

NEW



- DSM
- Dutch Biorefinery Cluster
- Enginzyme AB
- Evonik Nutrition & Care
- NEW ● Exipnos
- Fater SpA
- Fibenol
- Fiberlean
- NEW ● Fermentalg
- Flanders Food
- Food & Bio Cluster Denmark
- Fortum Oyj
- NEW ● GENAB
- Givaudan Schweiz AG
- Glanbia Ingredients Ireland
- NEW ● Green Generation
- GreenWin
- Haldor Topsøe A/S
- NEW ● Halorefine
- IBioIC - Industrial Biotechnology Innovation Centre
- Idener
- Innoven
- International Flavors and Fragrances
- Irish Bioeconomy Foundation
- NEW ● Kiverdi
- LanzaTech
- METabolic Explorer
- Metgen Oy
- Metsä Group
- Michelin
- Monaghan Mushrooms Group
- Natac Biotech
- Neste Corporation
- NEW ● Nordzucker
- Novamont
- NEW ● Novo Nordisk Foundation
- Novozymes
- Oleon
- Planet Bioplastics
- NEW ● Plantics
- Process Design Center
- Procter & Gamble
- Sabiomaterials
- Sappi
- Sildarvinnslan
- NEW ● Sophie's BioNutrients
- Soprema SAS
- Södra
- Steeper Energy
- Stella Polaris AS
- Stora Enso
- Südzucker
- Synthos
- SUSPACC - Sustainable Products and Chemicals Cluster
- NEW ● This is seaweed
- Unilever
- UPM - The Biofore Company
- Versalis
- Wagraim
- Waterskins
- Ynsect



## ASSOCIATE MEMBERS

A/  
D

3N Kompetenzzentrum  
Niedersachsen Netzwerk  
Nachwachsende Rohstoff  
Aalto University  
Aarhus University - Danish Centre  
for Food and Agriculture  
ABS-International CVBA (ABSint)  
ACIB Austrian Centre of Industrial  
Biotechnology  
**NEW** AgroParisTech  
AGMPM - Association of the Greek  
Manufacturers of Packaging &  
Materials  
AGRANA Stärke GmbH  
AIJU - Asociacion de Investigacion  
de la Industria del Juguete  
AIMPLAS - Technological Institute  
of Plastics  
AINIA Technology Centre  
AIT Austrian Institute of  
Technology  
AITEX - Textile Research Institute  
AITIIP Technology Centre  
Andaltec Plastic Technological  
Center  
Andalusion Region  
**NEW** APIDIT-CTCR

ARCMED - Association of  
Mediterranean Forest Owners  
ARDITEC  
Ayming  
Bay Zoltan Nonprofit Ltd. For  
Applied Research  
Bio Deutschland  
Bio4Energy  
Biocom AG  
Bioplat - Spanish Biomass  
Technology Platform  
Bioref - Collaborative Laboratory  
for the Biorefineries  
**NEW** Biostorming  
Boku - University of Natural  
Resources and Life Sciences  
Ca' Foscari - University of Venice  
Campus Iberus  
Cartif  
CEA  
CEFIC - European Chemical  
Industry Council  
CENER - National Renewable  
Energy Center  
Centexbel  
CENTI - Centre for  
Nanotechnology and Smart  
Materials

**NEW** Centro Tecnológico Nacional  
Agroalimentario CTAEX  
CEPF - Confederation of European  
Forest Owners  
CEPI - Confederation of European  
Paper Industries  
Certech - The Centre of  
Technological Resources in  
Chemistry  
CERTH - Centre of Research and  
Technology Hellas  
Cetaqua - Water Technology  
Centre  
CETEC - Plastics and Footwear  
Technology Center  
Cetenma  
**NEW** CETIM - Fundación Centro  
Tecnologico de Investigación  
Multisectorial  
Chalmers University of Technology  
Chamber of Commerce and  
Industry of Stajerska  
CIBE - International Confederation  
of European Beet Growers  
Cidetec Fundación  
CIEMAT - Centro de  
Investigaciones Energéticas,  
Medioambientales y  
Tecnológicas



CIRCE - Research Centre  
for Energy Resources and  
Consumption

Cluster of Bioenergy and  
Environment of Western  
Macedonia (CLuBE)

CNR - National Research Council  
of Italy

CNTA - National Centre for  
Technology and Food Safety

CoEBBE - Center of Expertise  
Biobased Economy

Condorcet FRS

COPA Cogeca

CPI - Centre for Process  
Innovation

NEW

CRES

CRF - Centro Ricerche Fiat

CSIC - Spanish National Research  
Council

CT Aqua - Andalusian Aquaculture  
Technology Centre

NEW

CTIC CITA

CTP - Centre Technique du Papier  
Danish Technological Institute

DECHEMA - Society for Chemical  
Engineering and Biotechnology

DTU - Biosustain - Centre for  
Biosustainability at the Technical  
University of Denmark

E/  
F

ENEA - Italian National Agency  
for New Technologies, Energy  
and Sustainable Economic  
Development

NEW

ENCO

Environment Park

EPNOE - European Polysaccharide  
Network of Excellence  
Association

ERRMA - European Renewable  
Resources and Materials  
Association

ESA - European Seed Association

EuropaBio

European Bioplastics

FCBA - Institut Technologique

Forêt Cellulose Bois-construction  
Ameublement

NEW

FEDACOVA

FEUGA - Fundación Empresa -  
Universidad Gallega

NEW

Fondazione Edmund Mach (FEM)

Forschungszentrum Jülich

FORTH/ICE-HT - Foundation for  
Research and Technology Hellas

- Institute of Chemical  
Engineering Sciences

Foundation for Education and  
Social Dialogue 'Pro Civis'

Fraunhofer

FTP - Forest-based Sector

Technology Platform

NEW

Fundacion ADITech

Fundacion AZTI

Fundacion Gaiker

Fundacion Medina

Fundacion Tekniker

Fundecyt-Pctex

Funditec - Foundation for  
Development and Technological  
Innovation

G/  
L

Gheorghe Asachi Technical  
University of Iasi (TULasi)

Greenovate! Europe

IAPAN - Institute of Agrophysics of  
the Polish Academy of Sciences

ICECHIM - National Institute for  
Research and Development in  
Chemistry and Petrochemistry)

Iconiq Innovation Ltd.

IFP Energies Nouvelles

ILVO, Flanders Research Institute  
for Agriculture, Fisheries and  
Food

Imdea Energy

Ineris - L'Institut National de l'  
Environnement Industriel et des  
Risques

INIA - National Institute for  
Agricultural Research and  
Experimentation

InnoEXC

Innovhub SSI - Stazioni

Sperimentali per l'Industria





INRAE - French National Institute for Agricultural, Food & Environmental Research  
 Institute Charles Viollette  
 Institute of Agricultural and Food Biotechnology  
 Instituto Superior Técnico  
 INSTM - National Interuniversity Consortium of Materials Science and Technology  
 IPC Centre Technique Industriel de la Plasturgie et des Composites  
 IRMO - Institute for Development and International Relations  
 ITAINNOVA  
 ITENE - Packaging, Transport and Logistics Research Centre  
 IVL Swedish Environmental Institute  
 KCL Finland  
 Kompetenzzentrum Holz GmbH - Wood K plus  
 KU-Leuven  
 Lappeenranta University of Technology  
**NEW** Las Naves  
 Leitat Technological Center  
 LIST - Luxembourg Institute of Science and Technology  
 Lithuanian Biotechnology Association  
**NEW** LSFRI Silava

**NEW**

LSIWC - Latvian State Institute of Wood Chemistry  
 Łukasiewicz R&D Network - Automotive Industry Institute  
 Łukasiewicz Research Network – Institute of Heavy Organic Synthesis “Blachownia”  
 Łukasiewicz Research Network - New Chemical Syntheses Institute  
**NEW** Łukasiewicz Research Network – Institute of Industrial Organic Chemistry (IPO)  
 LUKE - Natural Resources Institute Finland  
 Lund University

**NEW**

**M/P**

**NEW**

**NEW**

Materia Nova  
 Matis  
 Meat Technology Ireland  
 Munster Technological University  
 Nerosubianco Srl  
**NEW** Next Technology Tecnotessile  
 NIBIO - Norwegian Institute of Bioeconomy Research  
 Nofima AS  
 NORCE Norwegian Research Centre AS  
 Norsk Treteknisk Institutt (Norwegian Institute of Wood Technology)

**NEW**

**R/T**

Nova-Institut  
 NTNU - Norwegian University of Science and Technology  
 NTUA - National Technical University of Athens  
 ORLEN UniCRE  
 Piteå Science Park  
 PNO Innovation NV  
 Politecnico Di Milano, ABC Department  
**NEW** Poznan University of Technology  
 RAIZ - Forest and Paper Research Institute  
 RE-CORD - Renewable Energy Consortium for Research and Demonstration  
 RISE IVF AB  
 RSB - Roundtable on Sustainable Biomaterials  
 RTDS Association  
 RTO - Rosenheim Technical University of Applied Sciences  
 Ruder Boskovic Institute  
 SciTech-Service Oy Ltd.  
 SINTEF  
 Skogforsk  
 Spring - Sustainable Processes and Resources for Innovation



and National Growth  
 Starch Europe  
 Submariner Network for Blue  
 Growth EEIG  
 SusChem  
 NEW Steinbeis Europa Zentrum (SEZ)  
 Tampere University  
 Tecnalia Corporation  
 The Association West  
 Pomeranian Chemical Cluster  
 'Green Chemistry'  
 The Good Food Institute Europe  
 Timac Agro  
 Düngemittelproduktions - und  
 HandelsgmbH  
 TNO Transition Energy  
 TU Eindhoven - Eindhoven  
 University of Technology  
 TU Wien - Vienna University of  
 Technology

UA - University of Alicante  
 UAB - Universitat Autònoma de  
 Barcelona  
 UAL - University of Almería  
 UCA - University of Cádiz  
 UL - University of Limerick  
 Unimore - University of Modena  
 and Reggio Emilia  
 Universidad de Burgos  
 NEW Universidade da Coruña

Università Cattolica del Sacro  
 Cuore - Catholic University of  
 the Sacred Heart  
 NEW Universidad de Extremadura  
 NEW Universidad Politécnica De  
 Cartagena (UPCT)  
 University of Bologna  
 NEW University of Borås  
 University of Eastern Finland  
 University of Ferrara  
 NEW University of Franche-Comté  
 University of Ghent  
 University of Graz  
 University of Hohenheim  
 University of Liège  
 University of Naples "Federico II"  
 University of Oulu  
 University of Oviedo  
 University of Padova  
 NEW University of Piemonte Orientale,  
 Novara  
 University of Pisa  
 University of Rome "La Sapienza"  
 University of Rovira - Virgili  
 University of Salerno - Unison  
 University of Tartu  
 University of Valladolid  
 NEW University of Verona - Department  
 of Biotechnology  
 University of Vic  
 UPVLC - Polytechnic University of

Valencia  
 Utrecht University  
 NEW Veterinary Research Institute  
 (VRI)  
 Vito  
 VTT Technical Research Centre of  
 Finland  
 Vytautas Magnus University  
 (VMU)  
 Wroclaw University of  
 Environmental and Life Sciences  
 (UPWr)  
 Wroclaw University of Science and  
 Technology  
 WUR - Wageningen University &  
 Research  
 XAMK - South-Eastern Finland  
 University of Applied Sciences





## Bio-based Industries Consortium (BIC)

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