

ANNUAL REPORT

2020



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A message from the BIC Executive Director



As our sector and members continue to evolve to meet these challenges, the BIC organisation is too. In 2020, BIC and the European Commission made substantial progress on a more ambitious 1 billion EUR partnership with the EU – Circular Bio-based Europe (CBE) culminating in a formal agreement earlier this year.

Dear BIC members,

We would like to express our gratitude to you for your continued commitment during this past year of evolution towards realising the **joint industry Vision** for a circular bio-society.

Despite 2020 being marked by transition and economic uncertainty, this commitment has never been more important to surmounting current economic and societal challenges identified in the European Green Deal.

2020 was also a year of continued expansion for the BIC organisation as we broadened our services to members with new initiatives – **a platform** to identify regions for investment, **a toolkit** for measuring your bio-based projects' contribution to SDGs, **reports** mapping new bio-based opportunities and **bio-waste availability** in Europe, exclusive members-only webinars, and much more. Not only are our services expanding, but we also welcomed twenty-nine new members in 2020.

The 2020 Annual Report encapsulates how we are developing to meet your expectations and business needs towards **a new post-COVID-19 economic and societal model** built on the Vision of sustainable circular bio-society. Guiding our evolution, the new **BIC 2.0 business plan** (learn more on page 21) will broaden our activities, expand the benefits we offer to our members and equip your organisation for the bio-based sector of the future.

BIC's new vision and mission will focus on **four key pillars**.

1. BBI & CBE
2. Sustainable Business
3. Finance and Investments
4. Society

2020 marked the beginning of a new era for BIC and our members. With an agreement on CBE reached and with activities from the new BIC 2.0 business plan already underway we are excited for what the future holds and the added value these new developments can bring to you as a BIC member.

DIRK CARREZ

BIC EXECUTIVE DIRECTOR

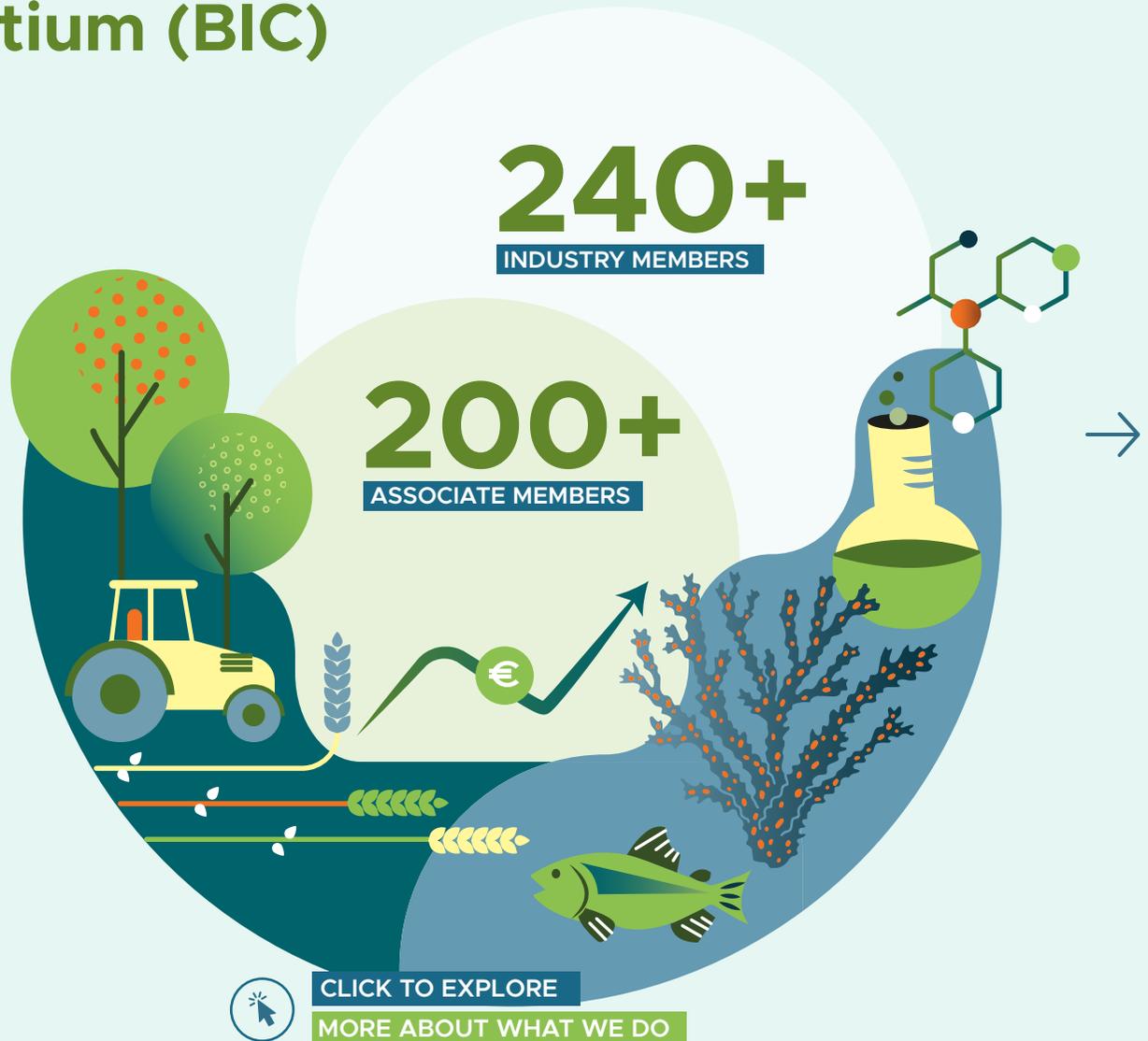


About the Bio-based Industries Consortium (BIC)

The **Bio-based Industries Consortium (BIC)** is a leading membership-based association pioneering a sustainable circular bioeconomy in Europe. In addition to providing services to members, BIC is also the private partner in the EUR 3.7 billion public-private partnership with the European Commission - the **Bio-based Industries Joint Undertaking (BBI JU)**.

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.





OUR VISION

The innovative, sustainable and competitive bio-based industry in Europe is the leader of a circular bio-society in Europe by 2050.

OUR MISSION

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



The bioeconomy is fuelling the recovery of our economies and will be central in driving a sustainability and climate-friendly agenda.

JEAN ERIC PAQUET DIRECTOR GENERAL
DG RESEARCH & INNOVATION



The bio-based industries have the scientific, technological, and financial know-how to spearhead the shift to a sustainable resource-efficient utilisation of Europe's renewable raw materials and, by so doing, lead the world into a new economic era.

MARIA DA GRAÇA CARVALHO
MEMBER OF EUROPEAN PARLIAMENT



CLICK TO EXPLORE
MORE ABOUT OUR WORK



As an automotive company, we need to use bio-based material, but we need a very reliable and sustainable supply chain. BBI JU can support us in finding the most sustainable partnership.

ROSANNA SERRA
DIRECTOR OF MATERIALS LABS
& GLOBAL MATERIAL LEADER
FIAT CHRYSLER AUTOMOBILES



BIC's new platform is an essential tool in connecting regions with new industrial partners: a sustainable bioeconomy is the green beating heart of the circular economy, a key building block of the European Green Deal, and the activities have to be anchored firmly at regional and local level to foster innovation and optimise the use of biomass.

APOSTOLOS TZITZIKOSTAS | PRESIDENT
EUROPEAN COMMITTEE OF REGIONS



A bioeconomy really means in the future everything we produce needs to be made out of sustainable materials and there we have something in common. Moving away from single-use, whether bio-based or fossil-based is important, but I think we have a great future in common.

JOAN MARC SIMON | PRESIDENT
ZERO WASTE EUROPE





Securing the next generation of partnership

In 2020, BIC and the European Commission made substantial progress on a more ambitious partnership - Circular Bio-based Europe.

BIC and the European Commission have reached an agreement on CBE in February 2021 following adoption of the Single Basic Act (SBA) and now EU Member States must approve the SBA for all Joint Undertakings – this is expected by Q3 2021 with the proposed joint undertakings being launched in Q4 2021.



An estimated 1 billion EUR of funding is now envisaged under the proposed CBE.



This is an important step towards a new partnership developing a competitive, innovative and sustainable bio-based industry in Europe. This is a joint effort and BIC will continue to work constructively with our partners to ensure the realisation of an ambitious partnership with the EU. CBE will help Europe achieve its Green Deal and climate neutrality objectives.

MAT QUAEDEVLIEG
BIC CHAIR



Realising a future-fit circular bio-based society

The seventh and last Annual Work Programme (AWP) under BBI JU was completed and achieved high mobilisation of bio-based actors and participation in programming and proposals, realising almost all of the SIRA 2020 goals.

In line with progress on CBE, an AWP 2021 is being prepared with input from BIC members, the European Commission and other stakeholders. The AWP 2021 is now expected in Q3 with the first calls being launched in Q4 2021/Q1 2022.

Meanwhile, work on SIRA2030 progressed in 2020 and BIC and the European Commission are aiming at having the finalised version by end of July 2021.

The SIRA2030 includes technological and non-technological challenges to be resolved and defines key performance indicators and milestones for 2030.



CLICK TO EXPLORE

MORE ABOUT OUR VISION



biosocietyvision.eu

What is our Vision? A circular bio-society

#biosocietyvision

in 2050





BBI JU resilience and green growth in a turbulent year

2020 was an important year for the BBI JU, stimulating new sources of green growth and supporting Europe’s recovery in turbulent times marked by the COVID-19 pandemic. In 2020, most BIC members actively participated in programming and subsequent call. Most of the SIRA objectives were also met including:



A flagship for every biomass feedstock



DEMOs in all strategic orientations



RIAs in all strategic orientations and sub-orientations



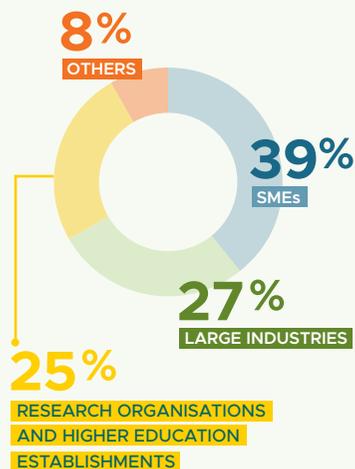
CSA studies in most relevant fields to enable market uptake of sustainable, innovative solutions



BBI CALLS 2014-2020 IN FIGURES*



UNIQUE BENEFICIARIES



FUNDING

€822 million

26 EU MEMBER STATES

8 ASSOCIATED COUNTRIES

1044

BENEFICIARIES

142

GRANTED PROJECTS

x7.5 times

INCREASE IN PROPOSAL SUBMISSION

LEADER ON SME PARTICIPATION

39% SME participant rate, scoring higher than other Joint Undertakings and largely exceeding the Horizon 2020 target of 20%.

CENTRAL & EASTERN EUROPEAN COUNTRIES

PERFORM WELL

EU13 countries’ participants perform better in BBI JU calls than in other EU-funded programmes.

INNOVATIVE SOLUTIONS FOR

EUROPE’S WASTE CHALLENGES

First flagship to be funded to address the valorisation of municipal solid waste. 64% of BBI JU projects contribute to waste reduction, reuse, recycling or valorisation of used products.

NEW GREEN JOBS SUPPORT RURAL DEVELOPMENT

83% of projects are expected to create new jobs, mainly in rural and coastal areas.



A thriving industry supporting Europe's green recovery

While 2020 presented significant economic challenges following the outbreak of the COVID-19 pandemic, the bio-based industries and BIC members were at the forefront of keeping essential services running and maintaining green jobs.

BIC members demonstrated flexibility and industrial leadership in shifting production and providing much-needed supplies such as food and feed ingredients, (compostable) packaging, hand sanitisers, masks, tissues, and energy from renewable feedstock.

With 700 billion EUR turnover and 3.6 million people employed (2017), the bio-based industries offer new opportunities for Europe's green growth by reducing dependence on fossil-based resources and offer a new circular bio-based societal model that will help rebuild



our economies differently and make them more resilient.

URSULA VON DER LEYEN PRESIDENT
EUROPEAN COMMISSION



CALLING FOR STRONGER RECOGNITION OF THE BIO-BASED SECTOR



More than sixty-three CEOs and C-level representatives from across BIC's membership mobilised in support of a stronger recognition of the bio-based industries in the EU's green recovery plan in a letter addressed to European Commissioners.

The letter emphasised both the importance of the bioeconomy for the EU's Green Deal and how the realisation of the Circular bio-based Europe partnership could fully deploy this potential.



The **letter** was published in both the online and print editions of Politico, the most widely read media on EU affairs.

>50,000
READS

5% ENGAGEMENT
AVERAGE / 1- 3.5%



CLICK TO READ THE LETTER



THE BIO-BASED INDUSTRIES KEY TO THE EU'S GREEN RECOVERY

In support of the letter, BIC also published a **position paper** highlighting how the bio-based industries contribute to environmental, economic and social challenges across three areas:

1. Accelerating the economic recovery
2. Realising the EU's Green Deal
3. Transforming the way sectors and society work



CLICK TO READ THE
POSITION PAPER



POSITION ON THE GREEN DEAL



The bioeconomy has a pivotal role to play in the transition to a more circular, sustainable and resource-efficient society.



European
Bioeconomy
Alliance

BIC has also developed a **position paper** on the European Green Deal with its eleven partners in the European Bioeconomy Alliance (EUBA). The position paper specifically called for the promotion a public-private partnership referring to the BBI JU and the proposed successor, Circular Bio-based Europe.



CLICK TO READ THE POSITION PAPER



bioeconomyalliance.eu



Identifying new bio-based growth opportunities

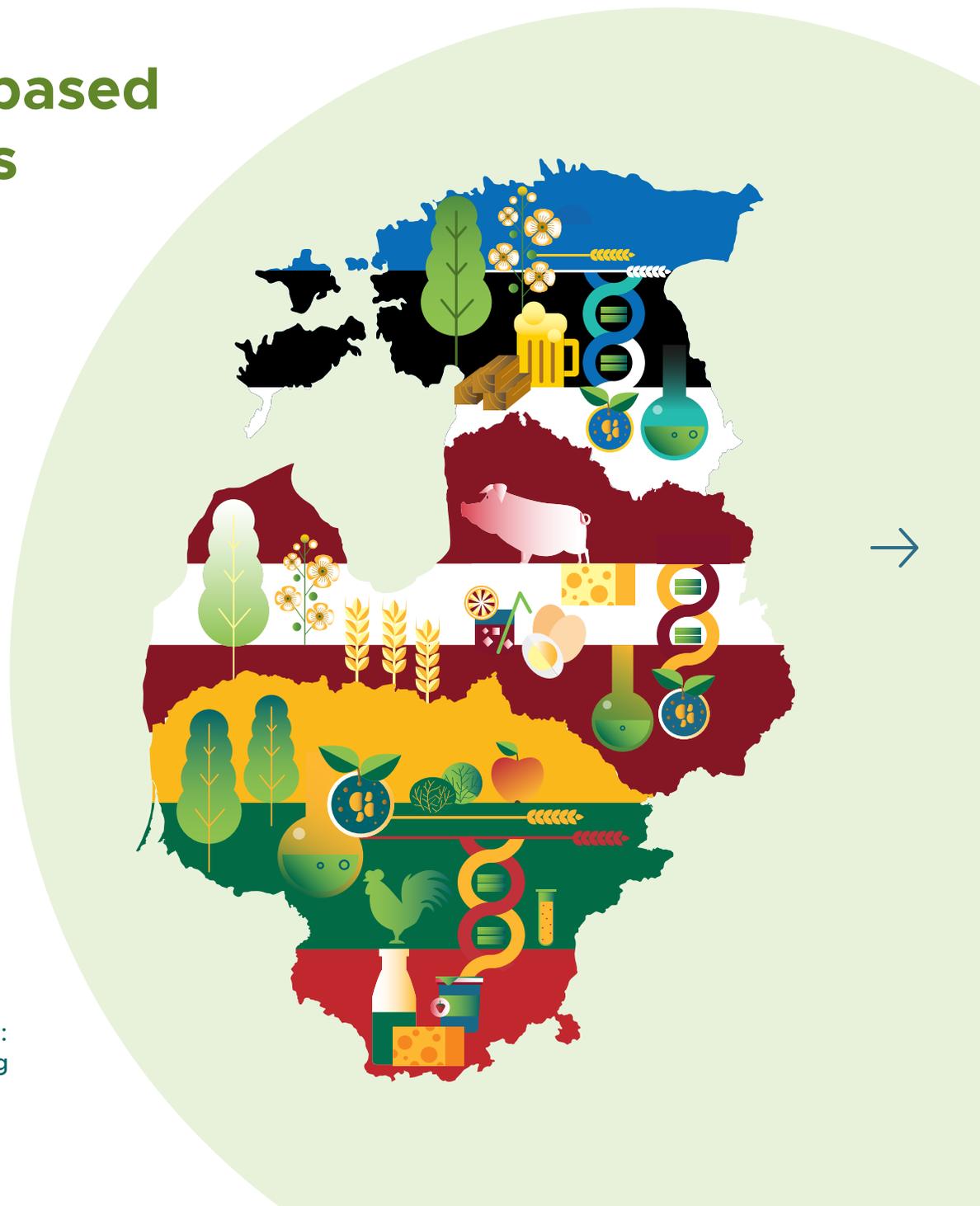
As part of BIC’s Strategic Outreach Programme, which seeks to mobilise existing and new actors in the bio-based sector, BIC produced three new country reports in 2020 for [Estonia](#), [Latvia](#) and [Lithuania](#).

The reports were the first in a series of new and updated BIC country reports that identify new opportunities for the primary sectors, the food and beverage sector, the blue bioeconomy, bio-based chemicals, etc., through opportunities to valorise side streams and waste that today have low or no value.



Updated BIC reports for Portugal, Poland and Romania will be available in 2021 together with new reports for Bulgaria, the Czech Republic, Croatia, Hungary, Slovakia and Slovenia, produced as part of the BBI JU-funded [CELEBio](#) project.

BIC has been supported by members and the SRG in realising the Strategic Outreach Programme’s objectives. This will continue to be the way forward: both in preparing future country reports and setting up and implementing action plans.





Securing access to finance for the bio-based industries

BIC also launched a new **digital platform** to connect the bio-based industries and European regions. The platform not only represents a new service for members, but it is also the first steps in BIC efforts to enhance collaboration between the bio-based industry and regions to stimulate new connections, investments and local bio-based value chains.

The BIC platform can accelerate the green recovery in Europe's rural and regional areas by supporting regions in realising their Smart Specialisation Strategies. The platform enables regions to add value to available bio-based material in partnership with industry that provides technologies and expertise.

BIC collaborated with European Committee of Regions (CoR) to develop the partnering platform. The platform was also supported by several other regional organisations including **BioEast**, **ERRIN** and the **ECRN**.



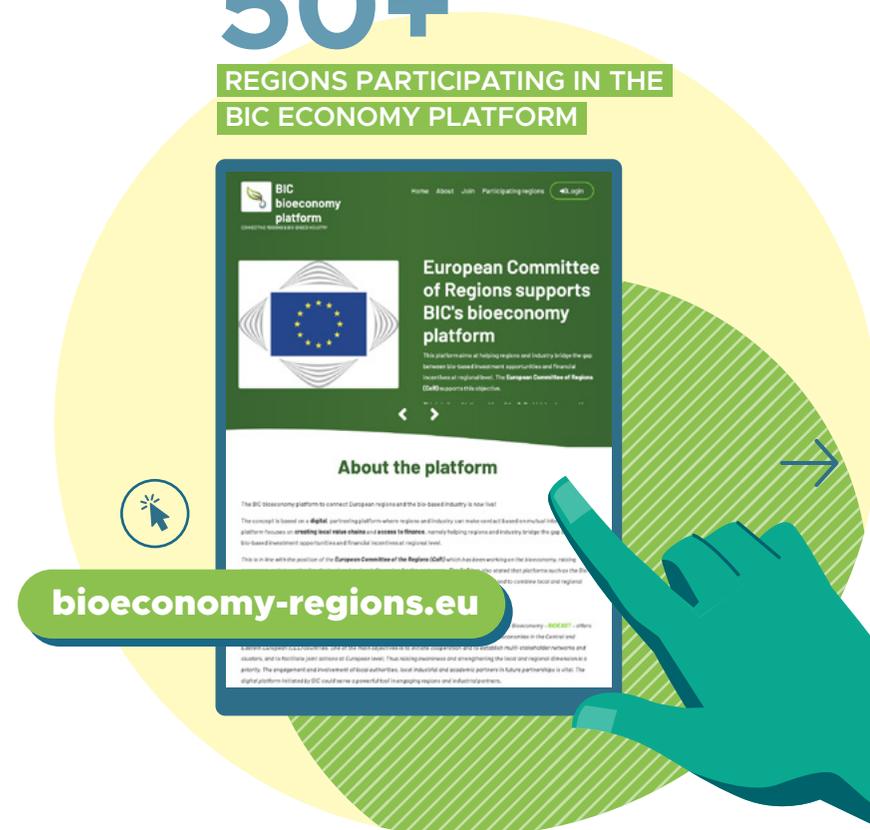
COLLABORATION WITH THE NEW CIRCULAR BIOECONOMY FUND (ECBF)



BIC also expanded its collaboration with the new **European Circular Bioeconomy Fund (ECBF)**, a new EU venture fund set up in the framework of the EU's Bioeconomy Action Plan. The ECBF provided exclusive insights in how to access ECBF finance at a webinar in 2020 exclusively for BIC members.

50+

REGIONS PARTICIPATING IN THE BIC ECONOMY PLATFORM



bioeconomy-regions.eu



Building on BIC's commitment to assist members in accessing finance for bio-based projects, BIC will publish an extensive study for BIC members on public finance (EU/national and regional) opportunities in 2021.

Equipping members with tools to measure SDG contributions

In 2020, BIC commissioned **guidance** produced by the **Institute of European Environmental Policy (IEEP)** enabling the bio-based industries to better measure how bio-based projects contribute to the UN Sustainable Development Goals (SDGs).

This first-of-its-kind guidance for the bio-based sector sets out specific indicators and the methodological steps for assessing the impact of bio-based projects on SDGs, whether they are financed through public or private sources or realised independently.

The new guidance, developed with contributions from an Expert Group of BIC industry members, is part of BIC's efforts to assist members in reporting and raising visibility of the important contribution of the bio-based sector to the UN SDGs.

BIC provided first insights into the guidance before it was published at a webinar organised for BIC members. An external workshop was also organised involving the participation of industry representatives, the EU institutions, and civil society organisations.





Tackling Europe's waste challenges

BIC also teamed up with **Zero Waste Europe (ZWE)** in 2020 to produce a first-of-its-kind **report** identifying the untapped potential to valorise bio-waste in Europe.

The report details the current generation and capture rates of bio-waste for each of the EU-27 Member States, plus Norway and the United Kingdom.

The report also includes **country-specific factsheets** which provide calculations for the EU-27 + and other specific information that is relevant to bio-waste management strategies and perspectives in a specific country.



Best practices include BBI JU projects that sustainably valorise bio-waste providing new bio-based compounds for chemicals, food-packaging and agricultural sectors.

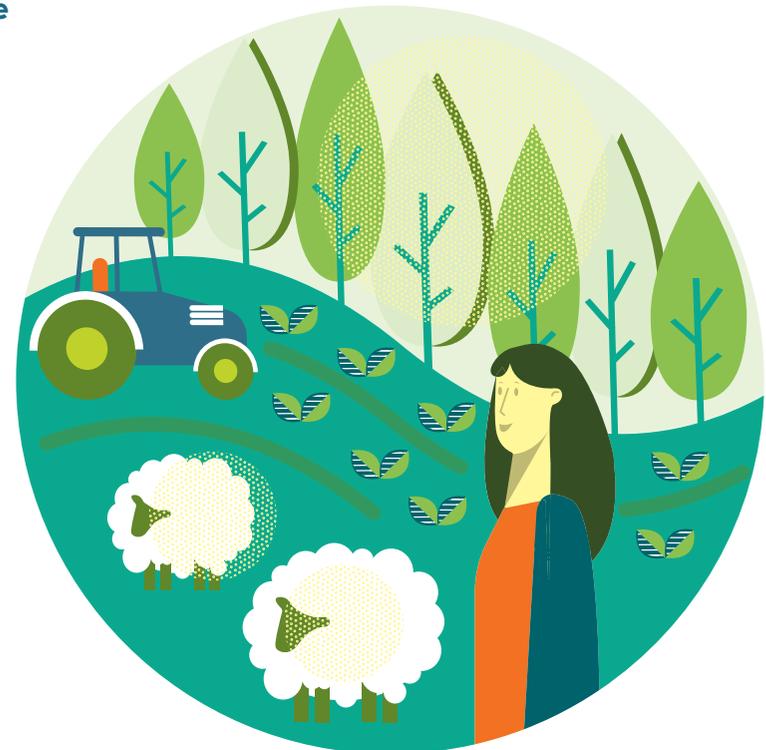




Strategic integration of primary sectors into bio-based value chains

BIC engaged in several actions to realise the joint recommendations from BIC, European Commission and BBI [Action Plan](#) to enhance the participation of the agricultural sector in BBI JU and the bio-based sector, including increased involvement of the primary sectors in the Annual Work Programme 2020.

BIC strengthened its co-operation with primary sectors organisations such as Vision supporters [CEPF](#) and [Copa-Cogeca](#) as well as [CEJA](#) who provided input for the draft SIRA2030. BIC organised a [joint workshop](#) with Copa-Cogeca to exchange views on the opportunities and challenges in participating in the bio-based sector, including involvement in the Circular bio-based Europe partnership.



PARTNERSHIP FOR AGRICULTURE AND INNOVATION

BIC also developed its co-operation with [EIP-AGRI](#), a European Innovation Partnership that seeks to foster competitive and sustainable farming and ensure a steady supply of food, feed and bio-materials, and was featured in an article on EIP's website.





Aligning education and bio-based industrial needs

In line with objectives outlined in the draft SIRA2030, 2020 was a turning point for BIC as we stepped up our activities on education. Following on from the success of the first-ever **European Bio-based Innovation Student Challenge (BISC-E)** co-organised and hosted by BIC in 2019, BIC continued its support of the competition.

In 2020, six national student teams participated (Belgium, Finland, Greece, Portugal, Spain, the Netherlands) with Greece and Spain participating for the first time. Team Citrion from Greece **came out on top** with their idea to isolate high-value components from bitter orange waste on the streets of Athens.

“ To realise the Vision for a circular bio-society by 2050, we must mainstream bioeconomic curricula across education systems and better align educational systems with industrial needs. The BISC-E competition is a demonstration of the bio-based industries commitment to making this happen.



WATCH TEAM CITRION'S WINNING IDEA



BIC was also actively involved in the Industry Expert Group (IEG) of the new BBI JU CSA **UrBioFuture** which seeks to better align education and research with industry expectations.

BIC also built on its established relationship with the **European Bioeconomy University**, an alliance of six leading universities in the field of bioeconomy, which seeks to avoid proliferation of curricula.

BIC also engaged in knowledge sharing and mentoring of six start-ups in the **Blue Bio Value** programme (including the eventual joint winner SaltyCo). This business initiative is dedicated to scaling up marine bio-based projects to global market applications.





Stimulating new connections and fostering knowledge sharing

In line with our commitment to build new multi-sectorial connections, stimulate new business and assist members in finding their ideal project partner, BIC evolved its offer of networking events to members in 2020.

FEBRUARY 2020

MATCHMAKING EVENT

BIC industry and associate members participated in the annual Matchmaking event in February in preparation for the BBI Call 2020



>240
PARTICIPANTS



430
ONE-TO-ONE
MEETINGS



35%
INDUSTRY



9
INTERACTIVE
WORKSHOPS



50
PARTICIPANTS
ON AVERAGE



KEY SPEAKER
CHRISTIAN KROMME
GO DIGITAL, STAY HUMAN

KEY SPEAKER
GRZEGORZ DROZD, DG GROW
FIRST INSIGHTS INTO EU'S NEW
INDUSTRIAL STRATEGY





FEBRUARY 2020

BIO-BASED SOLUTIONS FOR A FUTURE-FOR EUROPE

As part of the open session of the BIC General Assembly, external guests including European & national policymakers, regions & European partner organisations were invited to join BIC members for a discussion on key topics of interest to the bio-based sector.

PANEL SESSION



SDGs and the European Green Deal. How is the bio-based sector contributing?

SPEAKERS



DG RTD
Institute of European Environmental Policy
Borregaard
Novamont



PANEL SESSION



A zero-waste future for Europe? Bio-waste and what role for the bio-based sector

SPEAKERS



Zero Waste Europe (ZWE)
Fater
AMSA, waste management agency for Milan
European Economic and Social Committee

OCTOBER 2020 BIOSYNERGISE

Building on positive feedback from members, BIC organised an industry-only networking event in Autumn. BioSYNERGISE, the rebranded edition, was held online and included several new features from past events, such as the option of scheduling one-to-one meetings in the member area during and after the event.





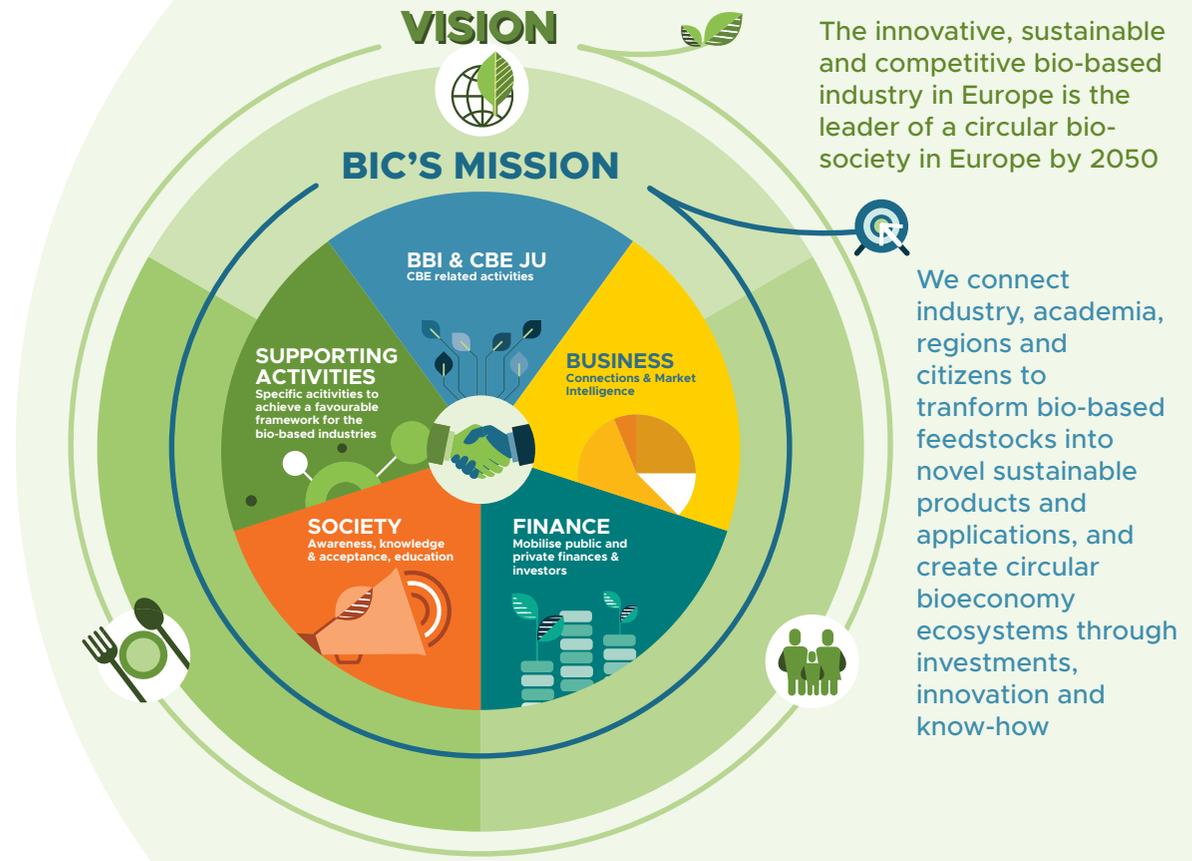
We're evolving for you. BIC in 2021 and beyond...

As our sector and members continue to evolve to meet new challenges, BIC is too. In 2020, BIC and the European Commission made substantial progress towards an agreement on CBE. We also continued to service our members with new initiatives – **a platform** to identify regions for investment, **a toolkit** for measuring your bio-based projects' contribution to SDGs, **reports** mapping new bio-based opportunities and **bio-waste availability** in Europe, and much more.

And we are not stopping there. BIC's more ambitious vision and mission will be guided by the new BIC 2.0 business plan which will expand benefits offered to members and equip your organisation for the bio-based sector of the future. The new BIC 2.0 will be built on **four key pillars** and will be realised through annual action plans.

1. BBI & CBE
2. Sustainable Business
3. Finance and Investments
4. Society

BIC 2.0 BUSINESS PLAN



WHAT BIC MEMBERS CAN EXPECT IN 2021

- BIC study on public finance for advanced bio-based projects
- Briefing on EU Sustainable Finance Taxonomy
- Sustainability portal for BIC member projects
- Pitching events with corporate investors

... AND
MUCH
MORE!



BIC governance, working groups and networks

BOARD OF DIRECTORS

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.



MAT QUAEDVLIEG
CHAIR | SAPPi



FRANK VAN NOORD
COSUN



ROB BEEKERS
CARGILL



CLAUS CRONE FUGLSANG
NOVOZYMES



CHRISTOPHE LUGUEL
IAR



ALEX MICHINE
METGEN



MICHELLE COLLINS
GLANBIA



MILICA FOLIĆ
HALDOR TOPSØE



SERGE CREUTZ
DOW



GLORIA GAUPMANN
CLARIANT



GIULIA GREGORI
NOVAMONT



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 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 develops the long-term (Vision) and short-term (priority paper and the 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 will be launched annually calling for proposals to resolve the challenges. Each industry member must designate one representative and a back-up.

A Programming Core Team (PCT) consisting of 15-18 full members prepares proposals for the PWG and associated members then subsequently the BIC Board and the European Commission. The PCT consists of full members representing the membership in terms of size, key bio-based innovation focus and geography.

ASSOCIATE MEMBERS

The non-industry members contribute to the AWP with latest innovative technologies and insights. BIC will 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 SIRA 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 projects, BIC partner organisations, etc.





Current Membership

● SME ● Large enterprise ● Cluster

FULL MEMBERS

- A4F - Algae for Future
- AB InBev
- AEP Polymers
- AlgaEnergy
- Alginor **NEW**
- Antonio Tarazona
- API Europe MEPE
- Arbiom
- AVA Biochem **NEW**
- Avantium
- BASF
- BE-Basic
- Bio Base Europe Pilot Plant
- BioBased Delta
- Bio-mi
- Bionet Servicios Tecnicos
- Biopolis - ADM
- BIOPRO Baden-Württemberg
- Biosphere Srl
- Biotrend
- Bloom Biorenewables **NEW**
- Borregaard
- BPF - Bioprocess Pilot Facility
- Capax Biobased Development
- Carbery Food Ingredients
- 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
- Dow Europe Gmbh
- DSM
- Dutch Biorefinery Cluster
- Energochemica Trading
- Enginzyme AB
- Evonik Nutrition & Care
- Fater SpA
- Fertinagro
- Fiberlean
- Flanders Food
- Food & Bio Cluster Denmark
- Fortum Oyj
- Glanbia Ingredients Ireland
- Graanul Invest
- GreenWin
- Haldor Topsøe A/S
- IAR - Industries & Agro-Ressources
- IBioIC - Industrial Biotechnology Innovation Centre
- Idener
- Innoven
- International Flavors and Fragrances **NEW**
- Irish Bioeconomy Foundation
- ISPT - Institute for Sustainable Process Technology
- Kaneka Belgium





- LanzaTech
- MBP Solutions Ltd. **NEW**
- METabolic Explorer
- Metgen Oy
- Metsä Group
- Michelin
- Mi-plast
- Monaghan Mushrooms Group
- Natac Biotech
- Neste Corporation
- Novamont
- Novozymes
- Oleon
- Planet Bioplastics
- Plastica Alfa
- Portfolio Concentrate Solutions UC (PEPSICO) **NEW**
- Process Design Center
- Procter & Gamble
- Sabiomaterials **NEW**
- Sappi
- Sekab BioFuels & Chemicals AB
- Sildarvinnslan **NEW**
- Smurfit Kappa
- Södra
- Steeper Energy
- Stella Polaris AS **NEW**
- Stora Enso **NEW**
- Südzucker
- SUSPACC - Sustainable Products and Chemicals Cluster
- Unilever
- UPM - The Biofore Company
- Versalis
- Vertech Group SAS
- Wargalim **NEW**

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
- AGMPM - Association of the Greek Manufacturers of Packaging & Materials **NEW**
- AGRANA Stärke GmbH
- Agro Innovation International All
- 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
- ARCMED - Association of Mediterranean Forest Owners
- ARDITEC **NEW**
- Automotive Industry Institute
- Ayming
- Baltic Sustainable Bioeconomy development agency
- Bay Zoltan Nonprofit Ltd. For Applied Research
- Bio Deutschland
- Bio4Energy
- Biocom AG
- Bioplat - Spanish Biomass Technology Platform
- 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
- 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 **NEW**
 CETEC - Plastics and Footwear Technology Center
 Cetenma
 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**
 CRF - Centro Ricerche Fiat
 CSIC - Spanish National Research Council
 CT Aqua - Andalusian Aquaculture Technology Centre
 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

G
/
L

Hellas - Institute of Chemical Engineering Sciences
 Foundation for Education and Social Dialogue 'Pro Civis'
 Fraunhofer
 FTP - Forest-based Sector Technology Platform
 Fundacion AZTI
 Fundacion Tekniker **NEW**
 Fundecyt-Pctex
 Funditec - Foundation for Development and Technological Innovation

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) **NEW**
 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 **NEW**
 Instituto Superior Técnico
 INSTM - National Interuniversity Consortium of Materials Science and Technology
 IPC Centre Technique Industriel de la Plasturgie et des Composites **NEW**
 IRMO - Institute for Development and International Relations
 ITENE - Packaging, Transport and Logistics Research Centre
 ITERG - Institut des Corps Gras
 IVL Swedish Environmental Institute
 Kplus Wood - Kompetenzzentrum Holz
 KTH - Royal Institute of Technology in Stockholm
 KU-Leuven
 Laborelec
 Lappeenranta University of Technology
 Leitat Technological Center
 Linköping University
 LIST - Luxembourg Institute of Science and Technology
 Lithuanian Biotechnology Association **NEW**
 LSIWC - Latvian State Institute of Wood Chemistry
 LUKE - Natural Resources Institute Finland
 Lund University



E
/
F

ENEA - Italian National Agency for New Technologies, Energy and Sustainable Economic Development
 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
 FEUGA - Fundación Empresa - Universidad Gallega
 Forschungszentrum Jülich
 FORTH/ICE-HT - Foundation for Research and Technology



M/P

Materia Nova
 Matis
 Meat Technology Ireland
 National Research Center Demokritos **NEW**
 Nerosubianco Srl
 New Chemical Syntheses Institute
 NIBIO - Norwegian Institute of Bioeconomy Research
 Nofima AS **NEW**
 NORCE Norwegian Research Centre AS
 Norsk Treteknisk Institutt (Norwegian Institute of Wood Technology)
 Nova-Institut
 NTNU - Norwegian University of Science and Technology
 NTUA - National Technical University of Athens
 NUI Galway - National University of Ireland Galway
 Piteå Science Park
 PNO Innovation NV
 Politecnico Di Milano, ABC Department **NEW**

U/X

UA - University of Alicante
 UAB - Universitat Autònoma de Barcelona
 UAH - University of Alcalá
 UAL - University of Almería
 UCA - University of Cádiz
 UCCS - Unité de Catalyse et de Chimie du Solide
 UCPH - IFRO - University of Copenhagen - Department of Food and Resource Economics
 UL - University of Limerick
 Unicre - Unipetrol Centre for Research and Development
 Unimore - University of Modena and Reggio Emilia
 Universidad de Burgos **NEW**
 Università Cattolica del Sacro Cuore - Catholic University of the Sacred Heart
 University of Bologna
 University of Eastern Finland
 University of Ferrara
 University of Ghent
 University of Graz
 University of Hohenheim
 University of Léon
 University of Liège **NEW**
 University of Naples "Federico II"
 University of Oulu
 University of Oviedo
 University of Pisa **NEW**
 University of Rome "La Sapienza"
 University of Rovira - Virgili
 University of Salerno - Unison
 University of Santiago de Compostela
 University of Tartu
 University of Valladolid
 University of Vic
 UPVLC - Polytechnic University of Valencia
 Utrecht University
 Vito
 VTT Technical Research Centre of Finland
 Vytautas Magnus University (VMU) **NEW**
 Wrocław University of Environmental and Life Sciences (UPWr) **NEW**
 Wrocław University of Science and Technology
 WUR - Wageningen University & Research
 XAMK - South-Eastern Finland University of Applied Sciences

← R/T

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 **NEW**
 Ruder Boskovic Institute
 SciTech-Service Oy Ltd.
 SINTEF
 Sintef Narvik - Northern Research Institute Narvik
 Skogforsk
 Spring - Sustainable Processes and Resources for Innovation and National Growth
 Starch Europe
 STU - Slovak University of Technology
 Submariner Network for Blue Growth EEIG **NEW**
 SusChem
 Swerea SICOMP
 Tecnalia Corporation
 The Association West Pomeranian Chemical Cluster 'Green Chemistry'
 Timac Agro Düngemittelproduktions - und HandelsgmbH
 TNO Transition Energy
 TU Delft - Delft University of Technology
 TU Eindhoven - Eindhoven University of Technology
 TU Wien - Vienna University of Technology





Bio-based Industries Consortium

Bio-based Industries Consortium (BIC)

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