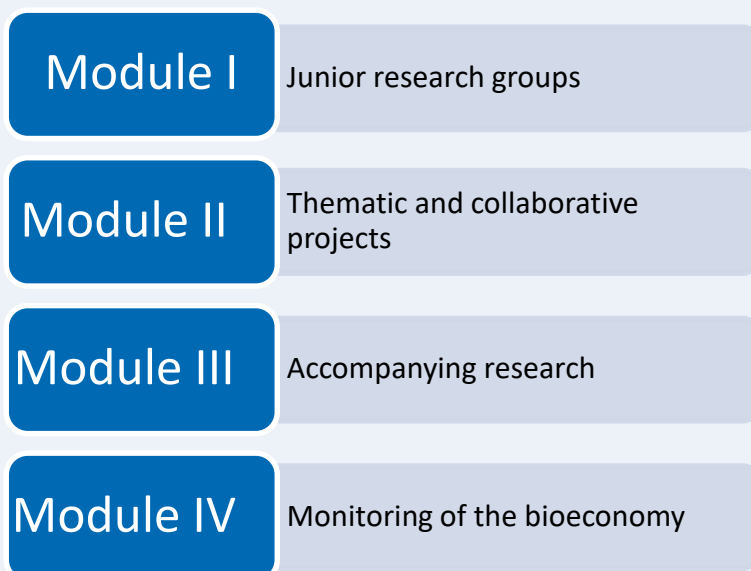


Funded projects within the framework of the concept “Bioeconomy as societal change”

The concept “[Bioeconomy as societal change](#)”, first published by the Federal Ministry of Education and Research (BMBF) in 2014 and revised in 2021, seeks to establish research in the social, political and economic sciences, but also in the cultural sciences and humanities, as part of comprehensive bioeconomic research and to interlink it with research in the natural and technical sciences. The concept has been implemented in several modules and calls since 2015. Information on the concept can be found on the corresponding homepage of the [Federal Ministry of Education and Research \(BMBF\)](#) or the [Project Management Juelich \(PTJ\)](#).

The concept comprises 4 modules:



Module I is intended to anchor bioeconomy topics in the addressed disciplines in the long term and to guarantee young scientists a reliable environment for their research.

Module II supports high-level bioeconomy research beyond junior research groups in very different formats.

Module III comprises accompanying social, political and economic research in the context of technology-oriented funding schemes.

Module IV promotes the establishment of a comprehensive monitoring of the bioeconomy.

The modules are completed by a **cross-cutting activity**, that aims to launch public debates on the goals of the bioeconomy.

Current status

The first announcement in this module was made in April 2015, the second one in September 2017 and the third one in 2021. The junior research groups of the first round began their work in 2016, those of the second in the course of 2019. The groups selected in the third round will start their work end of 2022 or in early 2023.

Besides the websites maintained by each group, there is a **common website** bringing together the activities of all junior research groups: <http://www.bioecon-societal-change.de>

Funded projects (first round)

| **Circulus – Opportunities and challenges of transition to a sustainable circular bio-economy**

Albert-Ludwigs-Universität Freiburg, Faculty of Environment and Natural Resources

<https://www.circulus-project.de>

Contact: Jun.-Prof. Dr. Sina Leipold, sina.leipold@transition.uni-freiburg.de

| **STRIVE – Sustainable trade and innovation transfer in the bioeconomy: from national strategies to global sustainable development goals**

Rheinische Friedrich-Wilhelms-Universität Bonn – Center for Development Research (ZEF)

<http://strive-bioecon.de>

Contact: Prof. Dr. Jan Börner, jborner@uni-bonn.de

| **TRAFOBIT – The role and functions of bioclusters in the transition to a bioeconomy**

Leibniz Institute of Agricultural Development in Transition Economies (IAMO) – Dep. Structural Development of Farms and Rural Areas

<https://www.iamo.de/forschung/projekte/details/trafobit>

Contact: Dr. Ir. Frans Hermans, hermans@iamo.de

| **BIOINEQUALITIES – Bioeconomy and inequalities. Transnational entanglements and interdependencies in the bioeconomy sector**

Friedrich-Schiller-Universität Jena – Faculty of Social and Behavioural Sciences

<http://www.bioinequalities.uni-jena.de>

Contact: Jun.-Prof. Dr. Maria Backhouse, maria.backhouse@uni-jena.de

Funded projects (second round)

- | flumen – Mentalities in flux: imaginaries and social structure in modern circular bio-based societies**
Friedrich-Schiller-Universität Jena – Faculty of Social and Behavioural Sciences
<http://www.flumen.uni-jena.de>
Contact: Dr. Dennis Eversberg, dennis.eversberg@uni-jena.de

- | BioMaterialities – Nature and the transformation of production, reproduction and politics in the high-tech bioeconomy**
Humboldt-Universität zu Berlin – Department of Agricultural Economics
<https://biomaterialities.de>
Contact: Dr. Sarah Hackfort, sarah.hackfort@hu-berlin.de
Dr. Miriam Boyer, miriam.boyer@hu-berlin.de

- | BioKum – Cumulative effects of bioeconomic strategies for a more sustainable agriculture**
Leibniz-Zentrum für Agrarlandschaftsforschung (ZALF) e. V.
http://www.zalf.de/de/forschung_lehre/projekte/Seiten/details.aspx?iddp=2110
Contact: Dr. Sandra Uthes, uthes@zalf.de
Dr. Jana Zscheischler, jana.zscheischler@zalf.de

- | FoodforJustice – Power, politics, and food inequalities in a bioeconomy**
Freie Universität Berlin – Institute for Latin American Studies
<https://www.lai.fu-berlin.de/food-for-justice>
Contact: Jun.-Prof. Dr. Renata Motta, renata.motta@fu-berlin.de

- | TRANSECT – Agrarian transformations and social-ecological complexities. Local bioeconomy scenarios in Central and South Asia**
Hochschule für nachhaltige Entwicklung Eberswalde – Faculty of Forest and Environment
<https://www.transect.de>
Contact: Dr. Michael Spies, michael.spies@hnee.de

Current status

The first announcement in this module was made in September 2015. 13 projects with a total of 22 partners started working between the end of 2016 and the beginning of 2017. The second announcement was published in February 2018, 15 projects with 22 partners started by the beginning of 2020.

Funded projects (first round)

BIO-OEKOPOLI – Political processes of bioeconomy between economy and ecology

- | FernUniversität in Hagen – Institute of Political Science
- | Otto-von-Guericke-Universität Magdeburg – Faculty of Humanities

www.bio-oekopoli.de

Contact: Prof. Dr. Annette E. Töller, annette.toeller@fernuni-hagen.de

Inimbio – Institutional implications of the development of the bioeconomy

Humboldt-Universität zu Berlin – Faculty of Life Sciences

<https://doi.org/10.2314/KXP:1748669494>

Contact: Prof. Dr. Wolfgang Bokelmann, w.bokelmann@agrar.hu-berlin.de

TANNRE – The transformation potential of inter-institutional arrangements and the norm of sustainability in the global regime complex for food

Justus-Liebig-Universität Gießen – FB 03 – Social Sciences and Cultural Studies

https://www.uni-giessen.de/fbz/fb03/institute/ifp_neu/projekte/tannre

Contact: Prof. Dr. Helmut Breitmeier, Helmut.Breitmeier@sowi.uni-giessen.de,

Dr. Sandra Schwindenhammer, Sandra.Schwindenhammer@sowi.uni-giessen.de

BioNex – The future of the biomass nexus

- | Kiel Institute for the World Economy (IfW) – Research Center Global Commons and Climate Policy
- | Ludwig-Maximilians-Universität München – Faculty of Geosciences

<https://www.ifw-kiel.de/institute/research-centers-initiatives/global-commons-and-climate-policy/projects/bionex-the-future-of-the-biomass-nexus>

Contact: Dr. Ruth Delzeit, ruth.delzeit@ifw-kiel.de

MOD_GW_NW – Modelling and evaluation of political processes to implement sustainable economic systems in industrial and developing countries

- | Christian-Albrechts-Universität zu Kiel – Faculty of Agricultural and Nutritional Sciences
- | Kiel Institute for the World Economy (IfW) – Research Center Global Commons and Climate Policy

<http://www.bio-pop.agrarpol.uni-kiel.de/de>

Contact: Prof. Dr. Dr. Christian Henning, chenning@agric-econ.uni-kiel.de

Funded projects (first round)

| **BEPASO – Bioeconomy 2050: Potential, goal conflicts, solution strategies**

| Johann Heinrich von Thünen Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries – Institute of Market Analysis (Braunschweig) and Institute of International Forestry and Forest Economics (Hamburg-Bergedorf)

| DBFZ Deutsches Biomasseforschungszentrum gemeinnützige GmbH

| Universität Kassel – Center for Environmental Systems Research (CESR)

| nova-Institute

| Helmholtz Centre for Environmental Research (UFZ) – Department of Bioenergy

<https://www.thuenen.de/de/infothek/wege-zu-einer-gesellschaftlich-akzeptierten-biooekonomie>

Contact: Prof. Dr. Martin Banse, martin.banse@thuenen.de

| **IndORGANIC – The societal transformation of agriculture into bioeconomy – turning Indonesia organic?**

University of Passau – Faculty of Arts and Humanities

<https://www.uni-passau.de/en/indorganic>

Contact: Prof. Dr. Martina Padmanabhan, Martina.Padmanabhan@uni-passau.de

| **B2BFuture – From biotech to bioeconomy – analyzing public R&D support, technological paths, and innovation dynamics between 1995 and 2015 in Germany**

| Universität Bremen – Faculty of Business Studies and Economics

| Ernst-Moritz-Arndt-Universität Greifswald – Faculty of Mathematics and Natural Sciences

<http://www.b2b-future.uni-bremen.de/>

Contact: Dr. Muhamed Kudic, muhamed.kudic@uni-bremen.de

| **Bio-Macht – Bioeconomic power in global supply chains – approaches, impacts and perspectives on certification and due diligence for biogenic mass raw materials**

| Albert-Ludwigs-Universität Freiburg – Institute of Environmental Social Sciences and Geography

| Öko-Institut e. V. Institute for Applied Ecology

<https://www.envgov.uni-freiburg.de/de/prof-sugov/Forschung/biooekonomische-macht-in-globalen-lieferketten-ansatze-auswirkungen-und-perspektiven-von-zertifizierung-und-sorgfaltspflichten-fuer-biogene-massenrohstoffe-bio-macht>

Contact: Prof. Dr. Lena Partzsch, lena.partzsch@ifp.uni-freiburg.de

| **Pflanzenpatente – An economic and empirical analysis of the impact of patents on plants on market concentration, innovation, biodiversity and welfare, especially of farmers and consumers, in Europe**

Philipps-Universität Marburg – School of Business and Economics

<https://www.uni-marburg.de/de/fb02/professuren/bwl/bwl01/forschung/pflanzenpatente>

Contact: Prof. Dr. Michael Stephan, michael.stephan@wiwi.uni-marburg.de

Funded projects (first round)

| **Transformation_Bio – Reflexive governance and dynamic innovation systems – the example of the energetic and material use of biomass**

Fraunhofer Institute for Systems and Innovation Research (ISI)

<http://www.isi.fraunhofer.de/isi-de/t/projekte/sw-transformation-bio.php>

Contact: Dr. Sven Wydra, sven.wydra@isi.fraunhofer.de

| **UAgriCo – Dynamic model of societal change towards the bioeconomy in urban areas**

Universität Bremen – Faculty 03 Mathematics and Computer Science

<http://www.cognitive-neuroinformatics.com/de/forschung/projekte>

Contact: Prof. Dr. Kerstin Schill, kschill@informatik.uni-bremen.de

| **BioMANik – Market actor networks and market dynamics within bioeconomic value chains**

Albert-Ludwigs-Universität Freiburg – Institute of Environmental Social Sciences and Geography

<https://www.envgov.uni-freiburg.de/de/prof-envgov/forschung/abproj-gov>

Contact: Prof. Dr. Heiner Schanz, heiner.schanz@ifp.uni-freiburg.de

Funded projects (second round)

The 15 projects of the second funding round started between May 2019 and April 2020.

| **KASCoP – Cascades in biomass value chains as ‚communities of practices‘**

Albert-Ludwigs-Universität Freiburg – Institute of Environmental Social Sciences and Geography
<https://www.envgov.uni-freiburg.de/de/prof-envgov/forschung/aktproj-gov>

Contact: Prof. Dr. Heiner Schanz, heiner.schanz@ifp.uni-freiburg.de

| **TRADINNOVATION – Bioeconomy innovations in traditional sectors: the example of three innovation lines in meat analogues**

Fraunhofer Institute for Systems and Innovation Research (ISI)

<https://www.isi.fraunhofer.de/de/competence-center/neue-technologien/projekte/tradinnovation.html>

Contact: Dr. Bärbel Hüsing, Baerbel.Huesing@isi.fraunhofer.de

| **CoBiVal – Cooperation in bioeconomy value chains**

Karlsruhe Institute of Technology (KIT) – Institute for Industrial Production (IIP)

https://www.iip.kit.edu/1064_4906.php

Contact: Dr. Simon Glöser-Chahoud, simon.gloeser-chahoud@kit.edu

| **PolDeRBio – Policy designs for resilient bioeconomies: assessment tool and international evaluation**

Humboldt-Universität zu Berlin – Department of Agricultural Economics

<https://www.agrar.hu-berlin.de/de/institut/departments/dao/apol/forschung/projekte/polderbio/>

Contact: Prof. Dr. Peter H. Feindt, peter.feindt@hu-berlin.de

| **BEST – Bioeconomy in Europa and SDGs: Development, contribution and trade-offs**

| Institute of Economic Structures Research (GWS)

| Rheinische Friedrich-Wilhelms-Universität Bonn – Institute for Food and Resource Economics

<https://www.gws-os.com/de/index.php/klima-energie/projekte/projektdetailseite/best.html>

Contact: Dr. Christian Lutz, lutz@gws-os.com

| **FOCUS – Food security and sustained coastal livelihoods through linking land and ocean and bioeconomy**

| Potsdam Institute for Climate Impact Research – Research Department Climate Resilience

| Universität Leipzig – Institute for Infrastructure and Resources Management

<https://www.pik-potsdam.de/en/output/projects/all/708>

Contact: Prof. Dr. Hermann Lotze-Campen, lotze-campen@pik-potsdam.de

Funded projects (second round)

| **BioTOP – Transformation-oriented innovation policy in bioeconomy – status quo, potential and strategies**

- | Universität Bremen – Centre for Regional and Innovation Economics
- | Technische Universität Berlin – Institute of Technology and Management
- | Philipps-Universität Marburg – Department of Geography

<https://www.uni-bremen.de/crie/forschung/forschungsprojekte/transformationsorientierte-innovationspolitik-in-der-biooekonomie-stand-potenzielle-strategien-biotop/>

Contact: Prof. Dr. Dirk Fornahl, dfornahl@uni-bremen.de

| **BIOCIVIS – Participation to ensure the benefits of sustainability and social participation in the bioeconomy**

Westfälische Wilhelms-Universität Münster – Institute for Political Science

<https://www.uni-muenster.de/Nachhaltigkeit/biocivis/index.html>

Contact: Prof. Dr. Doris Fuchs, nachhaltigkeit@uni-muenster.de

| **BATATA – Whose bioeconomy? Tracing visions of socio-ecological transformation and their ethical deliberation in Tanzania**

- | Eberhard Karls Universität Tübingen – International Center for Ethics in the Sciences and Humanities (IZEW)
- | Universität Bayreuth – Chair of Economic Geography

<http://batata-bioeconomy.de/>

Contact: Dr. Eugen Pissarskoi, eugen.pissarskoi@izew.uni-tuebingen.de

| **ETH-Coffee – Towards a sustainable bioeconomy: A scenario analysis for the Jimma coffee landscape in Ethiopia**

Leuphana University Lüneburg – Institute of Ecology

<https://www.leuphana.de/en/research/news/single-view/date/2020/02/03/when-not-only-coffee-is-the-future.html>

Contact: Prof. Dr. Jörn Fischer, joern.fischer@leuphana.de

| **COMPASS – Comparing aquaculture system sustainability**

Leibniz Centre for Tropical Marine Research

<https://www.leibniz-zmt.de/en/research/research-projects/compass.html>

Contact: Prof. Dr. Achim Schlüter, achim.schlueter@leibniz-zmt.de

| **Vorsorge_Innovation – Precaution and innovation as ethical principles in bioeconomics: An interdisciplinary step-by-step model for the evaluation of genome editing in agriculture**

Ludwig-Maximilians-Universität München – Faculty of Catholic Theology

https://www.kaththeol.uni-muenchen.de/lehrestuehle/christl_soiaethik/projekte/vorsorge-und-innovation/index.html

Contact: Prof. Dr. Markus Vogt, soz.ethik@kaththeol.uni-muenchen.de

Funded projects (second round)

| **BioSDG – The ‘Sustainable Development Goals’: What does the bioeconomy contribute?**

- | Kiel Institute for the World Economy (IfW) – Research Center Global Commons and Climate Policy
- | Ludwig-Maximilians-Universität München – Faculty of Geosciences
- | Johann Heinrich von Thünen Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries – Institute of International Forestry and Forest Economics

<https://www.ifw-kiel.de/institute/research-centers-initiatives/global-commons-and-climate-policy/projects/biosdg-the-sustainable-development-goals-what-does-the-bioeconomy-contribute/>

Contact: Tobias Heimann, tobias.heimann@ifw-kiel.de

| **WorkinBio – Labour-society consequences and prerequisites of bioeconomic transitions**

Universität Osnabrück – School of Cultural Studies and Social Sciences

<https://www.sozialwiss.uni-osnabrueck.de/institut/fachgebiete/wirtschaftssoziologie.html>

Contact: Prof. Dr. Hajo Holst, haholst@uni-osnabrueck.de

| **ProteinBioTech – Protein supply between biopolitics and biotechnology. A sociological research project for the development of a sustainable and health-promoting food culture**

Technische Universität Darmstadt – Institute of Sociology

[https://www.ifs.tu-](https://www.ifs.tu-darmstadt.de/institut_ifs/fachgebiete_ifs/kultur_und_wissenssoziologie_ifs/willkommen_kultur_und_wissenssoziologie_ifs/forschung_1/aktuelle_forschung/proteinbiotech/proteinbiotech.de.jsp)

[darmstadt.de/institut_ifs/fachgebiete_ifs/kultur_und_wissenssoziologie_ifs/willkommen_kultur_und_wissenssoziologie_ifs/forschung_1/aktuelle_forschung/proteinbiotech/proteinbiotech.de.jsp](https://www.ifs.tu-darmstadt.de/institut_ifs/fachgebiete_ifs/kultur_und_wissenssoziologie_ifs/willkommen_kultur_und_wissenssoziologie_ifs/forschung_1/aktuelle_forschung/proteinbiotech/proteinbiotech.de.jsp)

Contact: Prof. Dr. Tanja Paulitz, paulitz@ifs.tu-darmstadt.de

Module III Accompanying research

Research on socio-economic aspects also takes place as part of other funding schemes under the umbrella of the “National Bioeconomy Strategy” accompanying research in the natural or technical sciences. All findings should be brought together in the future.

Module IV Monitoring of the bioeconomy

Current status

The bioeconomy monitoring is being implemented jointly by the Federal Ministry of Education and Research (BMBF) and accompanying initiatives by the Federal Ministry of Food and Agriculture (BMEL), the Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV) and the Federal Ministry for Economic Affairs and Climate Action (BMWi). The announcement on the pilot phase of the BMBF strand of the monitoring was made in March 2016. The pilot phase was funded 2017-2021. In December 2020 the BMBF published an announcement for a consolidation phase of the bioeconomy monitoring. The Consortium SYMOBIO 2.0 started in 2022.

Funded projects (pilot phase 2017-2021)

| SYMOBIO – Systemic monitoring and modelling of the bioeconomy

- | Universität Kassel – Center for Environmental Systems Research (CESR)
- | Helmholtz Centre for Environmental Research (UFZ) – Department of Bioenergy
- | DBFZ Deutsches Biomasseforschungszentrum gemeinnützige GmbH
- | Institute of Economic Structures Research (GWS)
- | INFRO – Information Systems for Resources
- | Meo Carbon Solutions GmbH
- | ifeu – Institute for Energy and Environmental Research Heidelberg GmbH
- | Öko-Institut e. V. Institute for Applied Ecology

<https://www.symobio.de>

Contact: Prof. Dr. Stefan Bringezu, bringezu@cesr.de

Funded projects (consolidation phase 2022-2024)

| SYMOBIO – Systemic monitoring and modelling of the bioeconomy

- | Universität Kassel – Center for Environmental Systems Research (CESR)
- | Helmholtz Centre for Environmental Research (UFZ) – Department of Bioenergy
- | DBFZ Deutsches Biomasseforschungszentrum gemeinnützige GmbH
- | Institute of Economic Structures Research (GWS)
- | Öko-Institut e. V. Institute for Applied Ecology
- | Universität Leipzig - German Centre for Integrative Biodiversity Research (iDiv)
- | GRAS Global Risk Assessment Services GmbH
- | ifeu – Institute for Energy and Environmental Research Heidelberg GmbH
- | Fraunhofer Institute for Systems and Innovation Research ISI

<https://www.symobio.de>

Contact: Prof. Dr. Stefan Bringezu, bringezu@cesr.de

Contact

For any questions about the funding initiatives, please contact the Project Management Juelich:

| Dr. Thomas Schwietring, t.schwietring@fz-juelich.de

| Dr. Janosch Förster, j.foerster@fz-juelich.de

Current status

Based on an announcement for the cross-cutting activity “New formats for dialogue and participation in the Bioeconomy” five projects with 17 partners are funded from 2017 onward.

Funded projects

| **BioDisKo – Bioeconomic utilisation paths – Discourse and public debate**

- | Universität Duisburg-Essen – Institute for Advanced Study in the Humanities (KWI)
- | Fraunhofer Institute for Environmental, Safety, and Energy Technology UMSICHT
- | Forschungszentrum Jülich GmbH – Institute of Bio- and Geosciences (IBG)
- | IZT- Institute for Futures Studies and Technology Assessment

<https://dialogbiooekonomie.de>

Contact: Dr. Jan-Hendrik Kamlage, jan.hendrik-kamlage@kwi-nrw.de

| **Bio-Kompass – What could a future bioeconomy look like?**

- | Fraunhofer Institute for Systems and Innovation Research ISI
- | Senckenberg – Leibniz Institution for Biodiversity and Earth System Research
- | Institute for Socia-Ecological Research (ISOE)

<https://museumfrankfurt.senckenberg.de/en/biokompass>

Contact: Dr. Simone Kimpeler, simone.kimpeler@isi.fraunhofer.de

| **Bioeconomy 4.0 – How can a forest manage itself?**

- | FZI Research Center for Information Technology at Karlsruhe Institute of Technology (KIT)
- | Wuppertal Institute
- | Inter 3 – Institute for Resource Management
- | ZebraLog GmbH & Co. KG
- | Universität der Künste Berlin – College of Architecture, Media and Design

<https://www.fzi.de/en/research/projekt-details/bioeconomy-40>

Contact: Prof. Dr. Christof Weinhardt, weinhardt@fzi.de

| **DiReBio – Methodology, infrastructure and area-wide initiation for discourses on the development of local future strategies for the bioeconomy**

- | University of Potsdam – Chair of Business Informatics, Processes and Systems
- | Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB)
- | Wissenschaftsladen Potsdam e. V.

<https://lswi.de/forschung/forschungsprojekte/direbio>

Contact: Dr. Edzard Weber, eweber@lswi.de

| **FUV – Farming the Uncanny Valley – Initiating an open discourse and exploring new ways of involving a broader public into a process of co-creation**

- | Berlin University of the Arts – College of Architecture, Media and Design
- | Fraunhofer Institute for Environmental, Safety, and Energy Technology UMSICHT

<https://www.farming-the-uncanny-valley.net>

Contact: Stefan Schwabe, stschwabe@udk-berlin.de