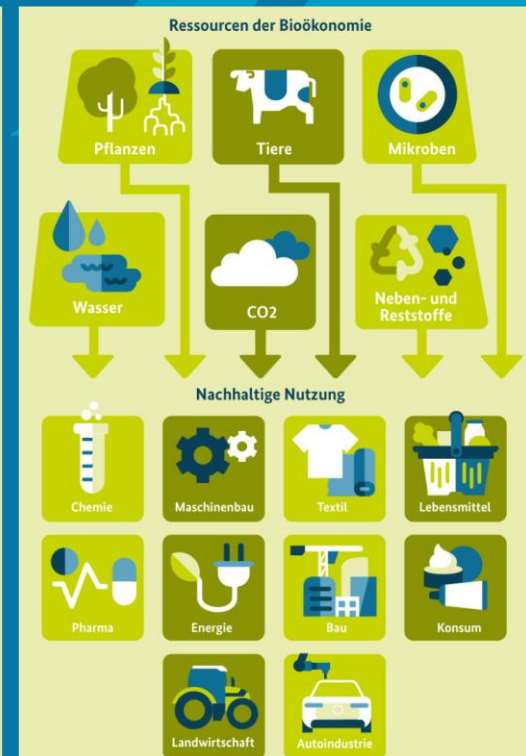




National Bioeconomy Strategy of Germany

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The National Bioeconomy Strategy – Background and Rationale

- Ensure food and resource security for a growing global population
- Protect climate, environment and biological diversity
- Combine ecology and economy
- Secure future prosperity

➡ Bioeconomy as contribution to sustainability



The National Bioeconomy Strategy

Policy guidelines and goals

Guideline 1

Harnessing biological knowledge and responsible innovation for sustainable, climate-neutral development

Guideline 2

Using biogenic raw materials for a sustainable, circular economy

Common strategic goals for research funding and a policy frameworks

1

Develop bioeconomy solutions for the 2030 Agenda for Sustainable Development

2

Recognize and harness the potential of the bioeconomy within ecological boundaries

3

Enhance and apply biological knowledge

4

Establish a sustainable raw material base for industry

5

Promote Germany as the leading location for innovation in the bioeconomy

6

Involve society in the bioeconomy and strengthen national and international collaboration

Research Funding – Building Blocks

Biological knowledge
as the key to the
bioeconomy

Converging
technologies and
transdisciplinary
cooperation

Boundaries and
potentials

Translation to real-
life application

Bioeconomy and
society

International
research
collaboration

Framework Conditions - Fields of Action

Reducing pressure
on land use

Sustainable
production and
supply of biogenic
raw materials

Expanding and
developing supply
chains and networks

Bringing bio-based
products, processes
and services to the
market

Ensuring policy
coherence

Developing rural
areas

Taking advantage of
digital technology

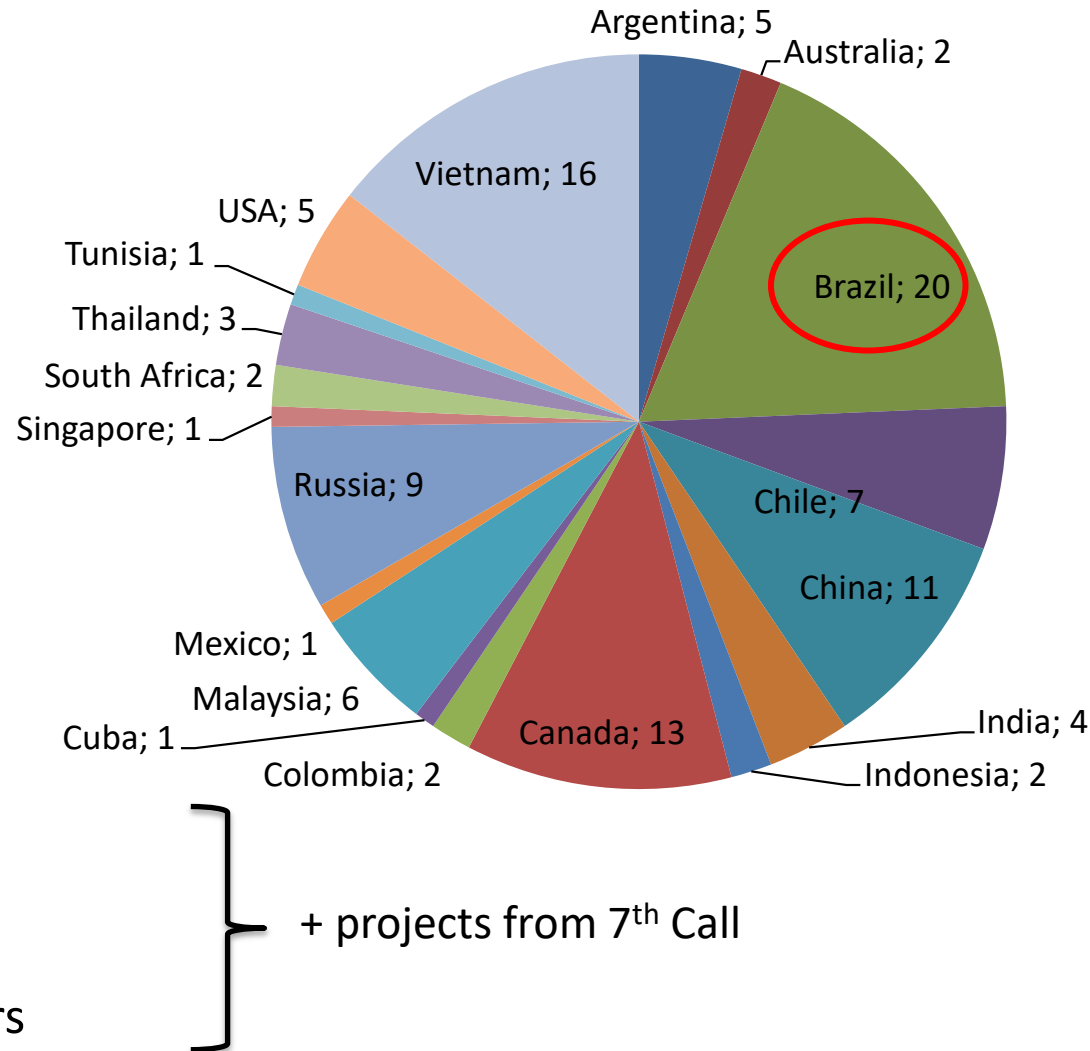
Bioeconomy International – Overall concept

- Implementation of bioeconomy in a global context
- Funding of German partners in international projects (beyond EU)
- Established in 2012 under the former National Research Strategy Bioeconomy 2030
- R&D projects to relevant subjects in bioeconomy
- Composition of consortia entirely flexible:
 - Industry
 - University or
 - Research organizations



Bioeconomy International – Statistics

- 6 Calls since 2012 / 2013 completed
- 7th Call: evaluation in progress
- 583 Proposals submitted
- 103 Projects selected for funding
- Approx. 63 Mio. € total funding
- 20 Projects with Brazilian partners



Cross-cutting instruments of the National Bioeconomy Strategy



- Advisory committee
- Co-operation between the Federal and Länder levels of government
- Co-operation at European and international level
- Communication and open dialogue
- Training and skills development
- Monitoring system

Important steps to implement the Bioeconomy Strategy

- Developing an appropriate governance-structure (new advisory committee, ministerial steering group, etc.)
- Focussing R&D-funding on new strategy goals
- Considering EU-framework (Research-Funding and Ag-Policy)
- Closer coordination of bioeconomy activities on national and regional level
- Further improvement of the bioeconomy-monitoring-system
- Intensifying international bioeconomy-cooperation
- Considering cross-cutting issues between „Green Deal“, „Farm to Fork“- , „Biodiversity-“ and „Bioeconomy“ strategies

Key elements of Governance-Structure – decided on 17th of september 2020

- **Ministerial steering group (common leadership BMBF/BMEL)**
- **New Bioeconomy Council resp. Advisory Committee**
(20 members, duration of appointment = 3 years)
- **Bioeconomy Council Office**
- **Thematic working groups**
(i.e. on biorefineries, medicinal biotechnology, material research, active pharmaceutical ingredients, etc.)
- **Annual Agenda-Forum**
(Academia, civil society, companies, federal states, NGOs)

Major tasks of the new Bioeconomy Council

The Council shall:

- work on relevant bioeconomy issues with a view to global challenges like sustainable use of biological resources considering food security, climate change/adaption and biodiversity aspects
- highlight bioeconomy tradeoffs, evaluate risks and identify possible solutions
- further implement the new National Bioeconomy Strategy elaborating recommendations for an action plan
- establish temporary thematic working groups with external experts

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Bilateral Information Exchange and Cooperation with Brazil

- **Further develop a regular information exchange on bioeconomy issues and bioeconomy strategies between BMEL/BMBF and MAPA/MCTIC (on the basis of existing MoU)**
- **New Starting Point for Bilateral Project Cooperation on Bioeconomy: The Common Call on Industrial Bioeconomy and on medicinal and aromatic plants**
- **Call-Experience should be used for further Cooperation on other bioeconomy-related issues of common interest for both countries**

Thank you!



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