



Bundesministerium  
für Ernährung  
und Landwirtschaft

# Bioeconomy in Germany

An overview by Dr. Tilman Schachtsiek

Green Rio; May 2019



# German Definition of Bioeconomy

(Broad approach)

Knowledge-based production and use of renewable resources to provide products, processes and services in all economic sectors, within the framework of an economic system which is viable for the future

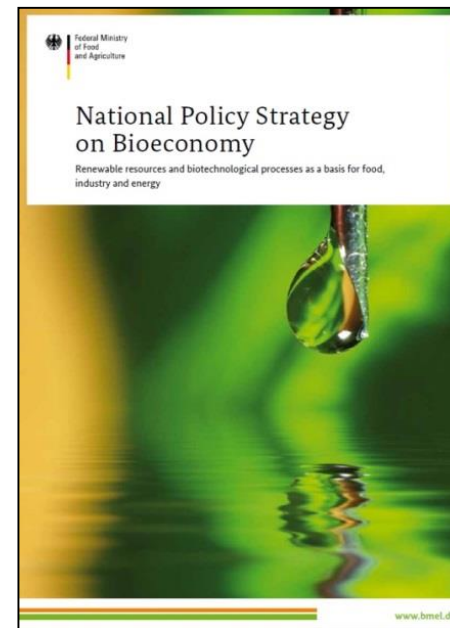
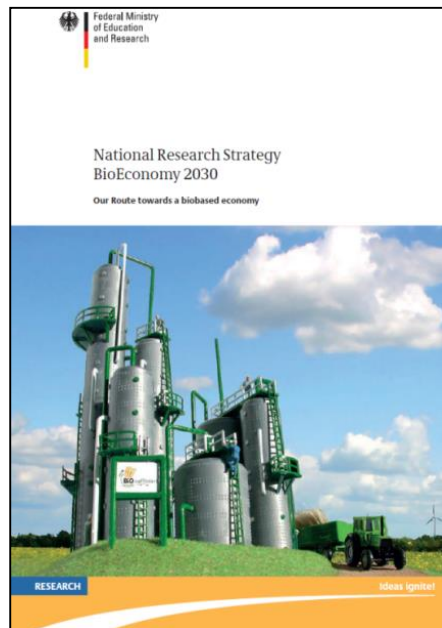
- ❖ → Value chains of food, feed, fuel (bioenergy) but also of bio-based chemicals, technical materials (bio plastic, WPC,...) drugs, cosmetics,...

# Bioeconomy Milestones in Germany

**2009:** Bioeconomy Council established

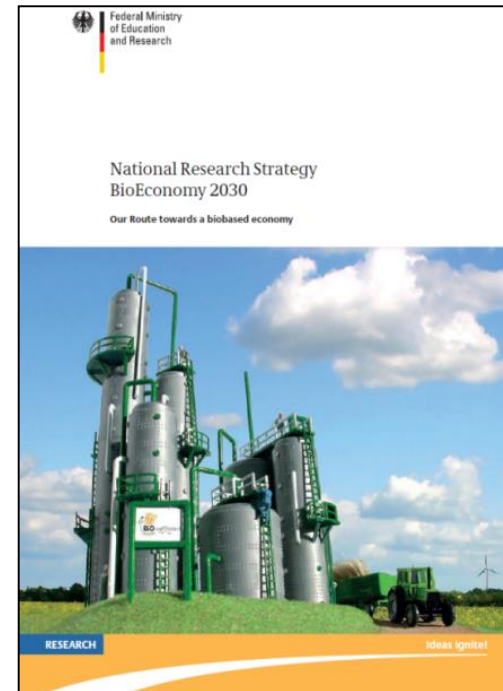
**2010:** „National Research Strategy Bioeconomy 2030“ (BMBF)

**2013:** „National Policy Strategy on Bioeconomy“ (BMEL)



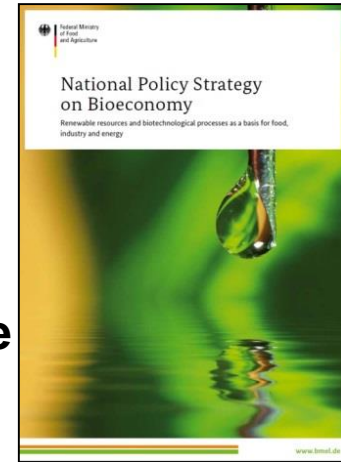
# National Research Strategy BioEconomy 2030

„Holistic approaches are essential to **resolve conflicting aims** between (...) fields of action, to give equal consideration to **environmental, economic and social issues**, and for these to be integrated in terms of **sustainable solutions**.“



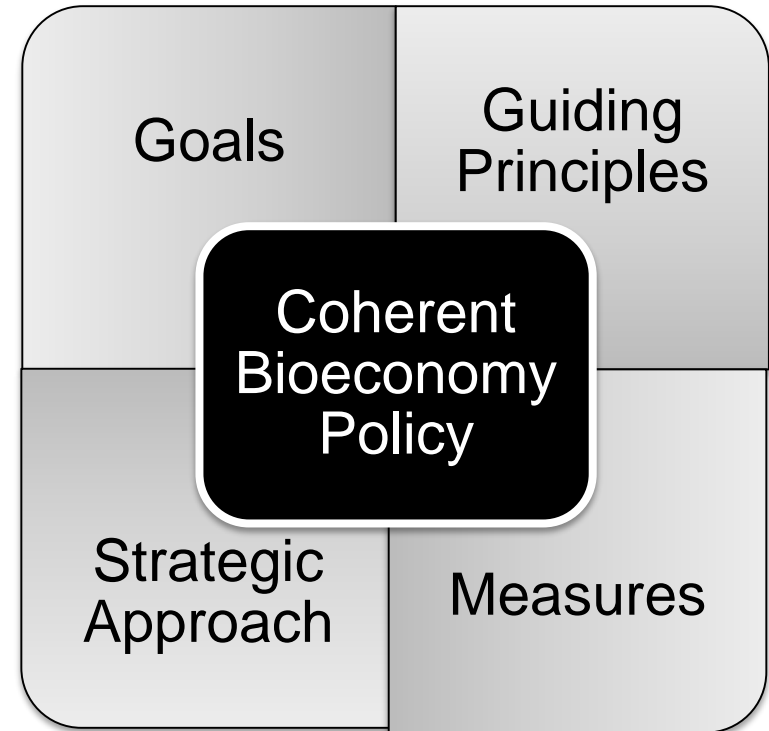
# National Policy Strategy on Bioeconomy

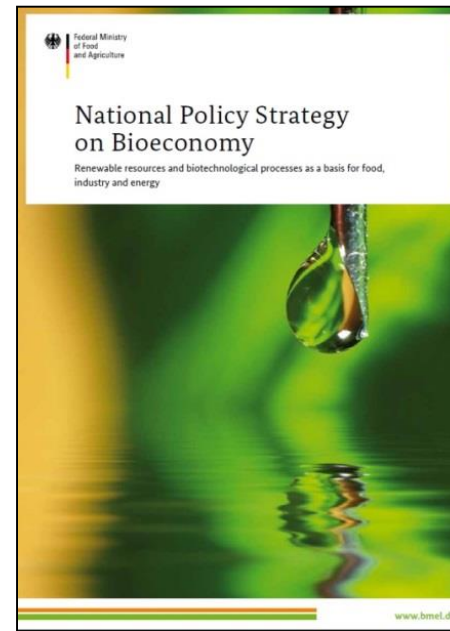
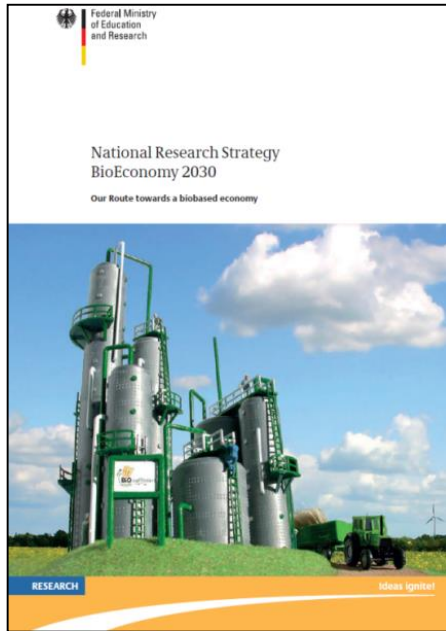
**Objective: To develop an operating political environment for the Bioeconomy**



The NPS:

- Set priorities,
- Highlight areas that require action,
- Set political boundaries, and
- Strengthen the structural transition to a biobased economy





## National Research Strategy Bioeconomy 2030

Validity: 2010 - 2018

## National Policy Strategy on Bioeconomy



# New German Bioeconomy-Strategy

# New German Bioeconomy-Strategy

## What's new?

- One holistic Approach
- Updated Research Challenges
- Strong orientation towards the SDGs
- More Focus on International Cooperation
- More Involvement of Society

# German-Brazilian Cooperation for the Bioeconomy

Thematic area of action in the National Policy Strategy: **International context**

- Brazil important strategic partner in the bioeconomy
- “Agreement on scientific-technical cooperation in the area of bioeconomy” signed by BMBF and MCTIC, 20.08.2015
- “Steering Committee Meeting” in Campinas, 7.11.2017
  - > BMEL supports implementation
  - > First steps: Identification of topics and mechanisms
  - > Key events in cooperation: **GreenRio** and **Agribusiness and Innovation Initiative**





# Cooperation Activities

Since 2017: several activities:

- German-Brazilian Bioeconomy Seminars
- Booth “Bioeconomy in Germany” at GreenRio

GER-BRA Expert workshops:

- **“Bees and other pollinators”**- workshop organized by Julius Kühn Institute for Bee Protection (JKI) 2018
- **”Medicinal Plants”** - workshop organized by JKI 2019



24 - 26 May 2018

Marina da Glória - Rio de Janeiro

Organization

2A2  
Marketing  
& Eventos

planeta  
orgânico



# Cooperation Activities



- Identification of Funding mechanisms
- 3 Expert discussion rounds at GreenRio 2018
  - Biological Pest Control
  - Phenotyping and breeding
  - Industrial use of Biomass

## Today:

- Signature of several Cooperation agreements



**Excelent Basis for further cooperation**



Thank you

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