



Bundesministerium  
für Ernährung  
und Landwirtschaft

# Bioeconomy in Germany

An overview by Dr. Tilman Schachtsiek

Rio de Janeiro; April 2017



# 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

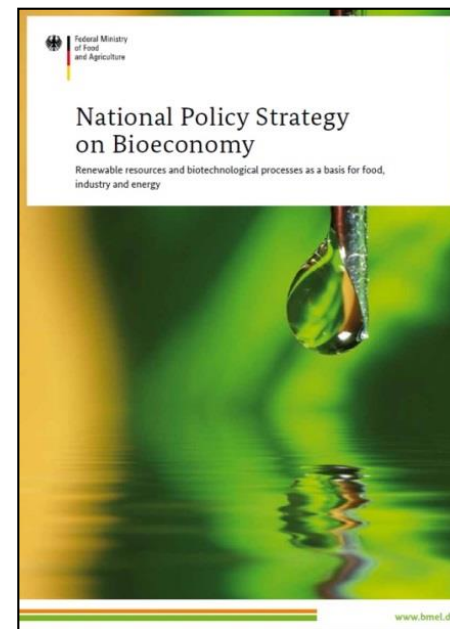
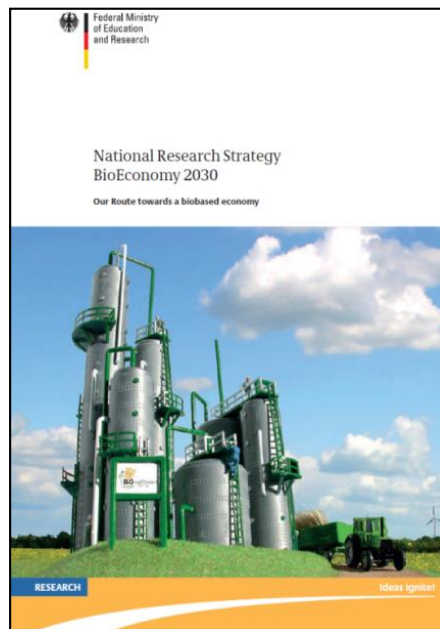
- ❖ → Value chains of food, feed, fuel (bioenergy) but also of bio-based chemicals, technical materials (bio plastic, WPC,...) drugs, cosmetics,...

# Bioeconomy Milestones in Germany

**2009:** Bioeconomy Council established

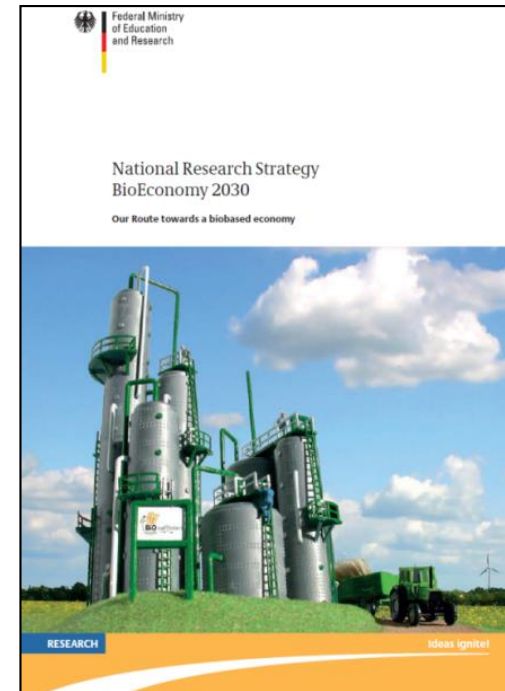
**2010:** „National Research Strategy Bioeconomy 2030“ (BMBF)

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



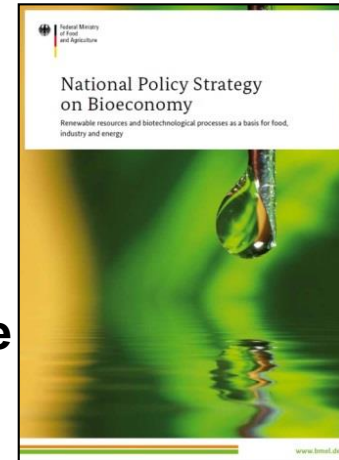
# National Research Strategy BioEconomy 2030

„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**.“



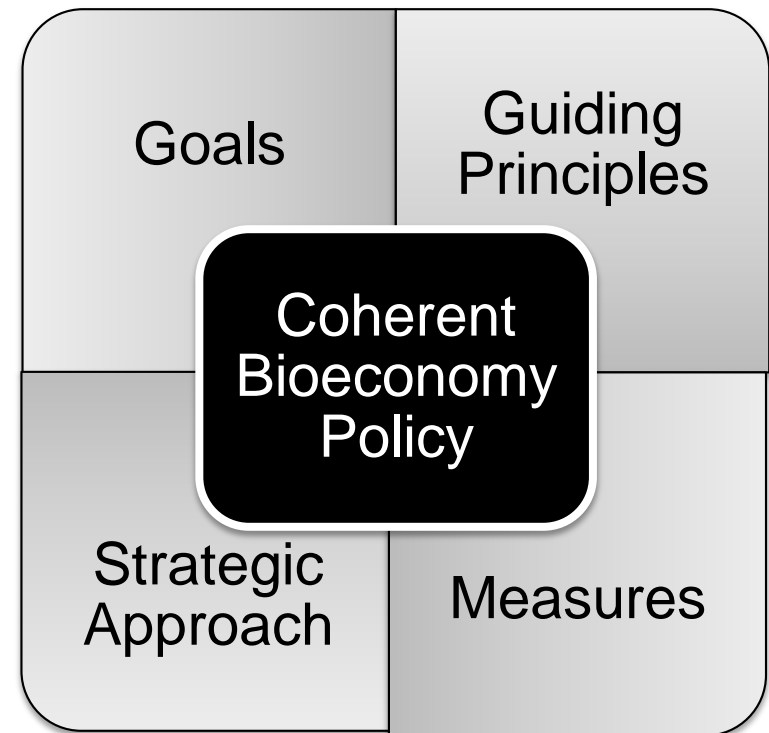
# National Policy Strategy on Bioeconomy

**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





# Implementation

## Progress Report on the National Policy Strategy on Bioeconomy



# Challenges in the implementation

- Comprehensive Strategy Approach (Food, Feed, Fibre, Fuel) requires a broad and well coordinated set of instruments
- Many of the objectives of the Bioeconomy Strategy can only be achieved
  - step by step
  - with private sector activities and commitments
- How to guarantee the principle “Food comes first” ?
- Establishing an adequate monitoring system for Bioeconomy
- Linking Circular Economy with Bioeconomy



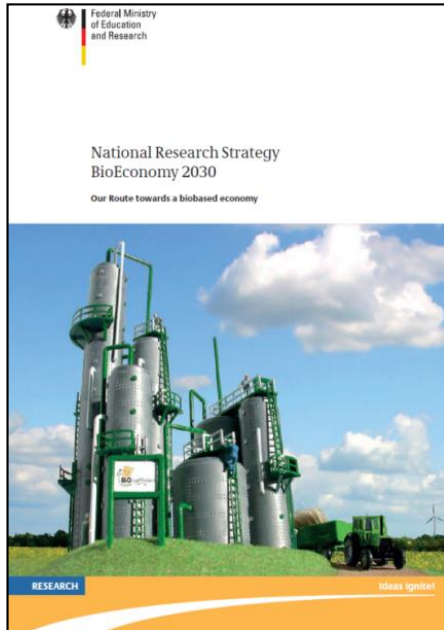
Thank you

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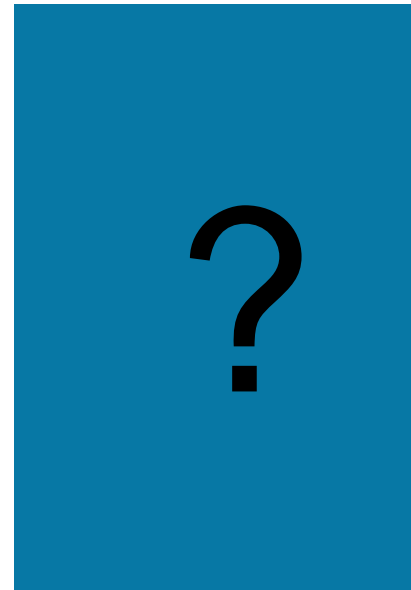
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# New Bioeconomy-Strategy



National Research Strategy  
Bioeconomy 2030  
Validity: 2010 - 2017



New Research Programm on  
Bioeconomy  
Validity: likely: 2018 - 2024