



Embassy
of the Federal Republic of Germany
Washington



Bioeconomy in Germany

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Consumer

- *Socio-economic*
- *Logistics*
- *Construction*
- *Trade*



Production

- ▶ *Agri-tech*
- ▶ *(Mol.) Biology,*
- ▶ *Soil, Plant,*
- ▶ *Animal*



**Systems
analyses**

**VALUE CHAINS
& NETS**

Sustainability

Valorisation

- *Food,*
- *Feed,*
- *Fiber,*
- *Fuel*



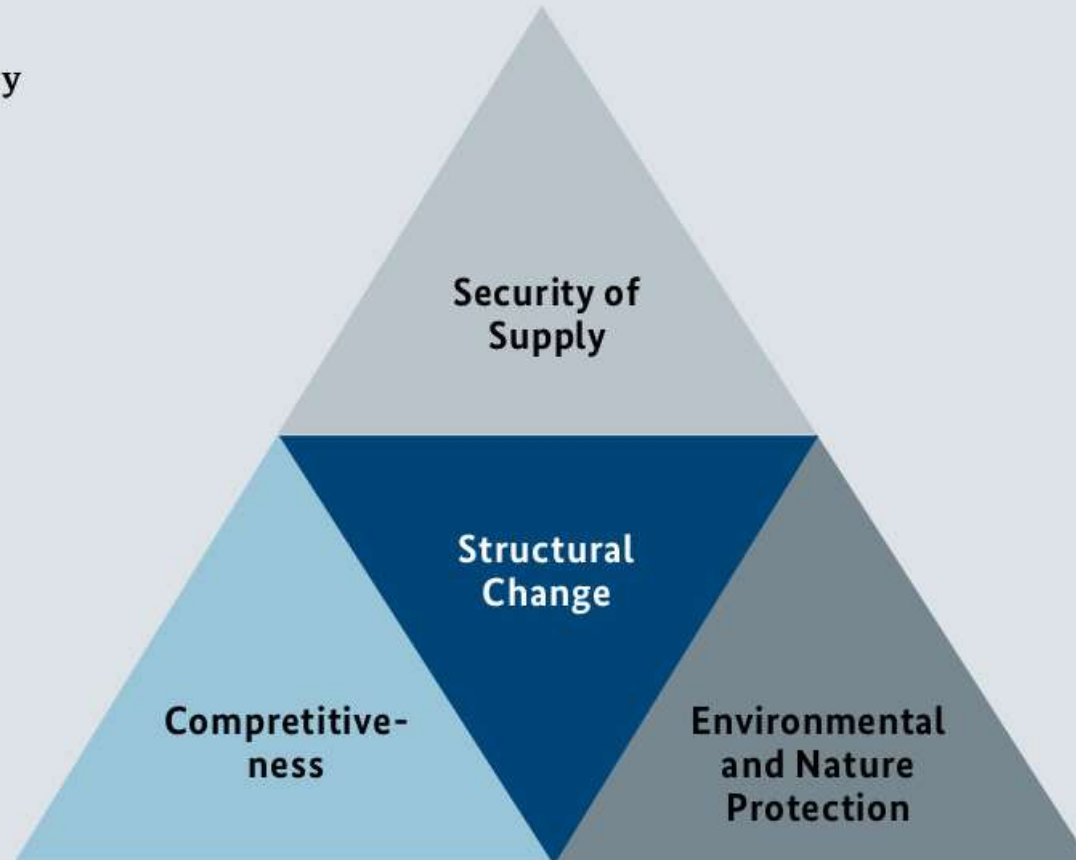
Conversion

- *Process tech*
- *Biotechnology*





Objectives of the Strategy





Inter- and cross-departmental policy strategy (2013)

BMEL

Federal Ministry of Food and Agriculture (primary responsibility)

BMBF

Federal Ministry of Education and Research

BMWI

**Federal Ministry for Economic
Affairs and Energy**

BMZ

**Federal Ministry for Economic
Cooperation and Development**

BMU

**Federal Ministry for the Environment,
Nature Conservation, Building and
Nuclear Safety**

BMVI

Federal Ministry for Transport and Digital Infrastructure

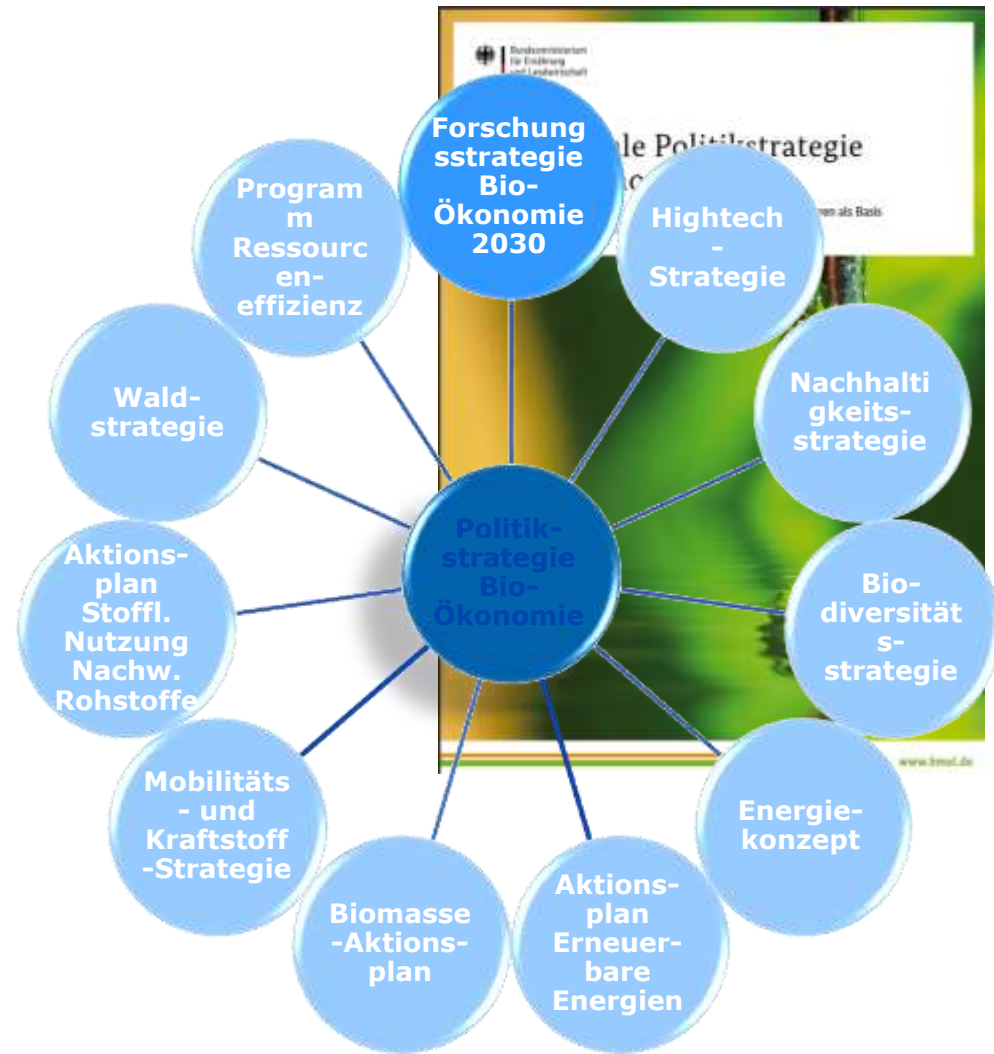
Establishment of an interministerial working group (IMAG)





Aims

- Interdepartmental coordination of national concepts and strategies in the context of bioeconomy
- Development of lines of activities for further ministries
- Recommendations for international competitive, sustainable bioeconomy exceeding pure research and innovation activities
- Coherent bioeconomy policy for all ministries





Parameters for sustainable Bioeconomy

1. Regulative measures

- tax, incentives and/or rewards

2. Research and innovation funding

- on national, European and international level

3. Information and Dialogue

- communication on food, feed, fibre, fuel
- campaigns like “Too good for the bin”



2. Research and innovation funding European and **International** Cooperation

European Phenotyping Initiative
(EPPN)
ESFRI EMPHASIS

Cofund in Biotechnology
CoBioTech

SusCrop
SUSFOOD



Successor of:

- ERASysApp
- ERASynBio
- ERA IB (I-III)

FACCE-JPI

- MACSUR
- ERA-Net Plus
- Cofund Surplus



FP7 ERA-Net for
Marine Biotechnology



EuroTransBio Pro

GlobE **Bioeconomy
International**



Bioeconomy monitoring :

A. Where do the biogenic resources come from?

B. What are the production conditions they are grown, obtained, produced and/or processed?

3 dimensions

**1. Agriculture: Resources and Sustainability /
Creation of Biomass**

**2. Economics: Economic Key Performance
Indicators KPIs**

3. Research: Systemic View and Modelling



- **1st Global Bioeconomy Summit (GBS2015), November 2015, Berlin:**
700 participants from around 80 countries met to define how bioeconomy contributes to green growth, the sustainable development goals and to climate change.
- **2nd Global Bioeconomy Summit (GBS2018)**
19th/ 20th April 2018 in Berlin



Thank you for your attention.

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