



Public-Private Dialogue in NRW for a Bioeconomy Strategy Development

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KBBE-Study



The Ministry of Innovation, Science and Research of NRW mandated Capgemini an in-depth analysis on the potentials of KBBE for this German state

Creating a roadmap for implementing a knowledge-based bio-economy for North Rhine-Westphalia

1

Scanning relevant KBBE data and information on an EU and national level

2

Mapping and quantification of NRW scientific and industry landscapes with respect to KBBE potentials

3

Defining priority areas to be emphasised for potential investments

4

Demonstrating the way forward for implementation to decision-makers

KBBE relevant industries



Identification of most relevant industries in NRW in terms of

- Economic power in NRW
- KBBE capability
- Innovation performance
- Market attractiveness

Biomedicine



Chemical industry



Utility industry



Automotive sectors



Food & feed industry



Paper industry



Textile industry



Priority areas for establishing a bio-economy in NRW

- Integrated biorefining
- Biopolymers
- Diagnostics
- Biopharmaceuticals
- Biofunctional materials and surfaces

Public-private dialogue process



Interdisciplinary Round Table Meetings (2011 / 2012)

Focus

- Energy
- Chemistry / Pharma
- Agriculture
- Medicine / Medical engineering

Top-Topics:

- Biorefinery
- Biopolymers / Biofunctional materials and surfaces
- Biopharmaceuticals / Diagnostics / Medical engineering

Kick-off, follow up- and final meetings making use of existing relevant clusters (BIO.NRW, chemistry, energy,..) in close cooperation with ministries under the overall coordination of the Ministry of Innovation, Science and Research:

13 Meetings with about 300 participants in the fields of energy, biotechnology, medtech, steel, chemistry sectors, agriculture, etc.

First results – Elaboration of a position paper



Stakeholders appreciate the public dialogue and requested continuation and implementation of bioeconomy in NRW:

- Stakeholder confirmed topics and issues which were identified
- NRW should support and foster stakeholders involvement and activities.
- NRW should coherently insert bioeconomy in central political strategies and instruments (e.g. ecological economy strategy, biodiversity, sustainable industry...) and should interact coherently with federal and EU-wide strategies.
- Cross-cutting issues (education, ethical / legal / social issues, sustainability, biodiversity...) are of high relevance should be treated accordingly
- Strategic international cooperation should be supported with particular attention to regional cooperation