



Establishing a Knowledge-Based Bio-Economy for North Rhine-Westphalia

Ministry of Innovation, Science and Research
of the German State of North Rhine-Westphalia

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Key Facts of NRW

NRW's share of Germany

Area: 34 000 sq km (9.5 %)

Population: 17.9 Mio. (21.8 %)

GDP: 521,7 bn EUR (21,5 %)

Highest concentration of universities

~ 300 life science companies

No. 1 pharmaceutical and chemical industry location



Creating a Roadmap to implement a Knowledge-based Bio-Economy in North Rhine-Westphalia

Identification of most relevant industrial branches in NRW in terms of

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

Biomedicine



Chemical industry



Energy supply industry



Vehicle construction



Priority areas for establishing a bio-economy in NRW

- Integrated biorefinery
- Biopolymers
- Diagnostics
- Biopharmaceutical products
- Bio-functional materials and surfaces

Roadmap for future KBBE in NRW

