

Universities for the 21st century

German University

Context for the modern universities

- Population growth
- Resource scarcity
- Demography
- Climate Change
- Globalization



Innovation

New Disziplines

- Life sciences
- New Material sciences
- Intelligent systems
- Clean Technologies
- Biodiversity



Interdisciplinarity



Challenges for the universities

- Institutionalization
- Interdisciplinarity
- Innovation
- Infrastructure
- Internationalization

Principles for Managing modern Universities

- | | | |
|----------------|---|--|
| — Variability | ← | Bologna process |
| — Autonomy | ← | Higher educational law |
| — Competition | ← | Excellence Initiative |
| — Cooperation | ← | Clusters of Excellence |
| — Capabilities | ← | Institutional Strategies,
Graduate Schools, funding |