

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