



Federal Ministry  
of Education  
and Research

iDEAS  
INNOVATION  
PROSPERITY  
The High-Tech Strategy for Germany

# The German Perspective on Innovation Policy

**Engelbert Beyer**

Head of Directorate - Innovation Strategies  
Federal Ministry of Education and Research

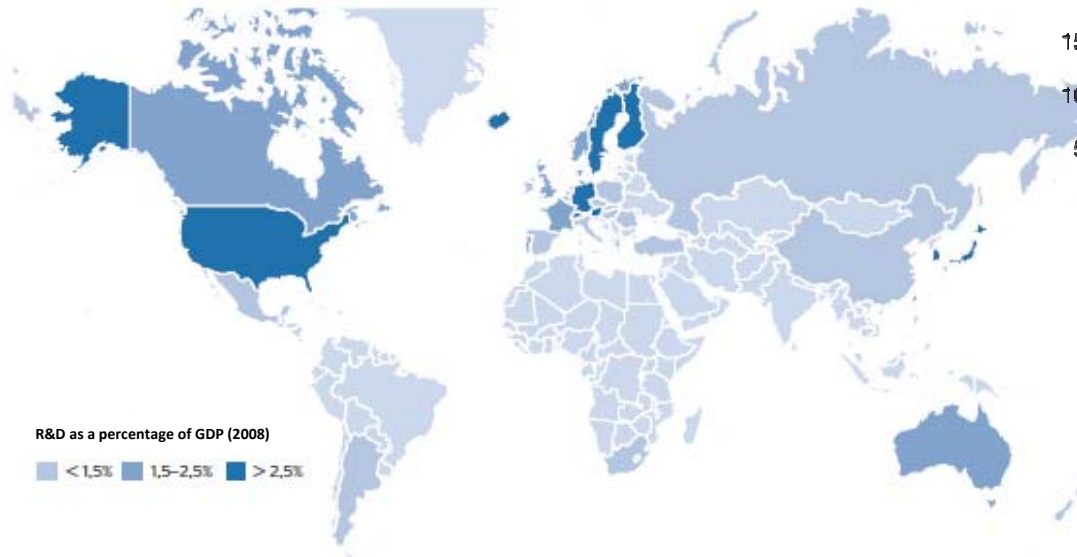
Euro-CASE Annual Conference  
Berlin – December 2, 2010

HIGHTECH-STRATEGIE

Ideen zünden!

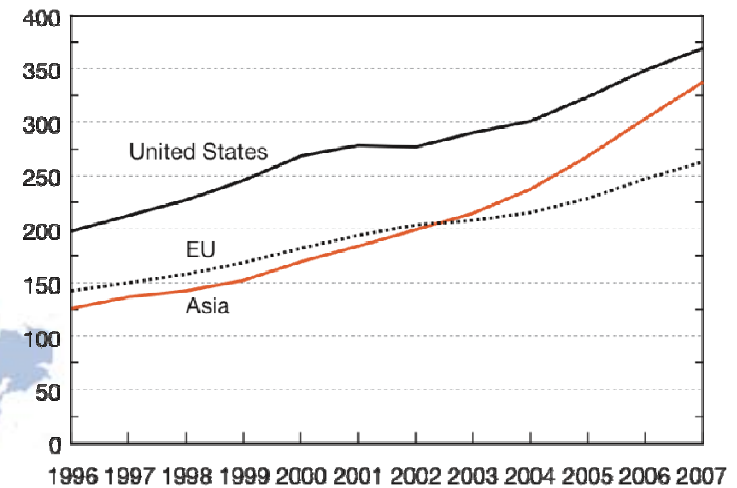


## 1 - Challenges for Europe



R&D expenditure 1996–2007

Dollars (billions)

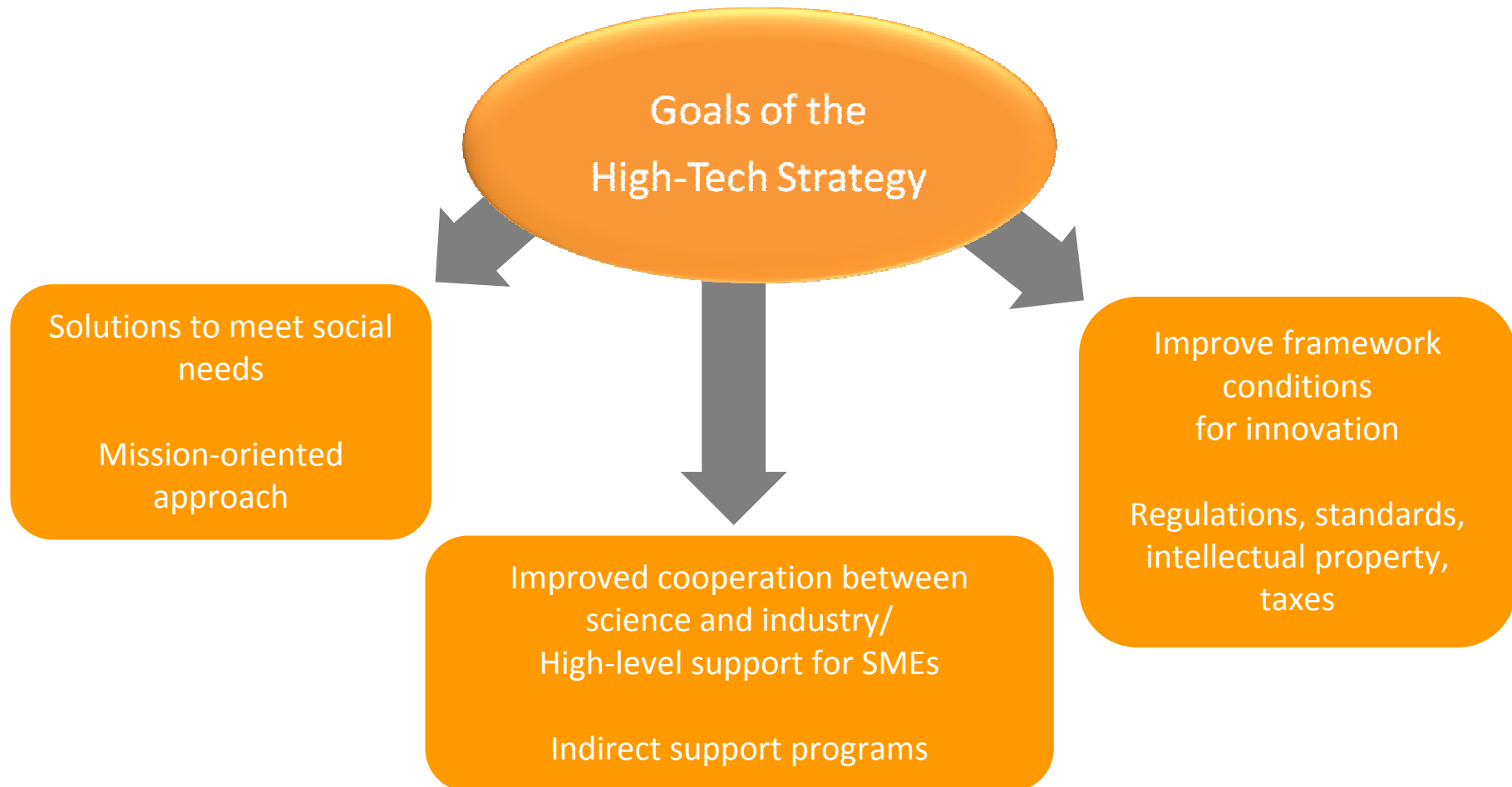


EU = European Union

NOTES: Asia includes China, India, Japan, Malaysia, Singapore, South Korea, Taiwan, and Thailand. EU includes all 27 member states.

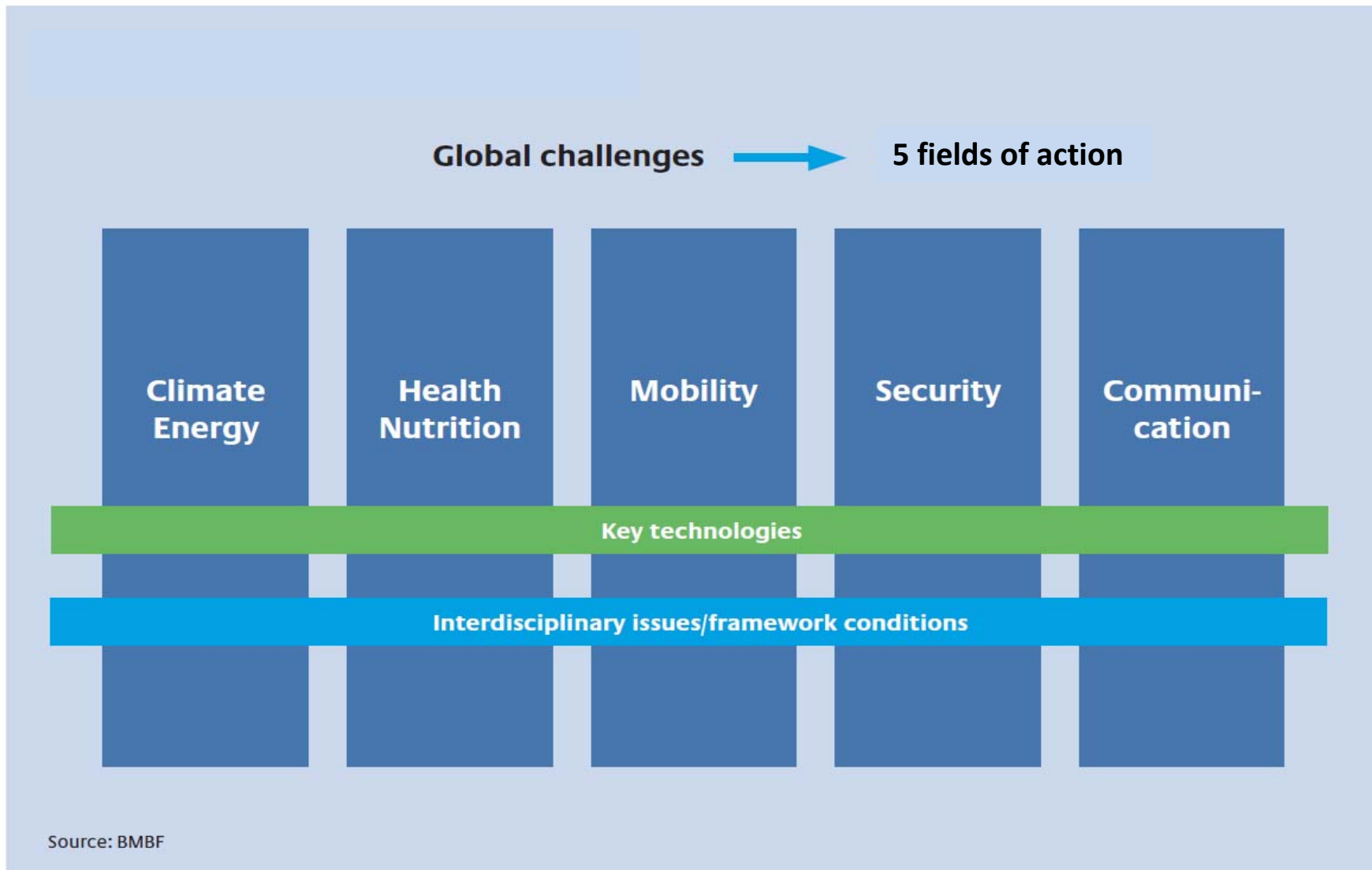


## 2 - Innovation strategy goals





### 3 - Fields of action





## 4 - Forward-looking projects of the High-Tech Strategy

### For the fields of action ...

- Climate/Energy
- Health/Nutrition
- Mobility
- Security
- Communication



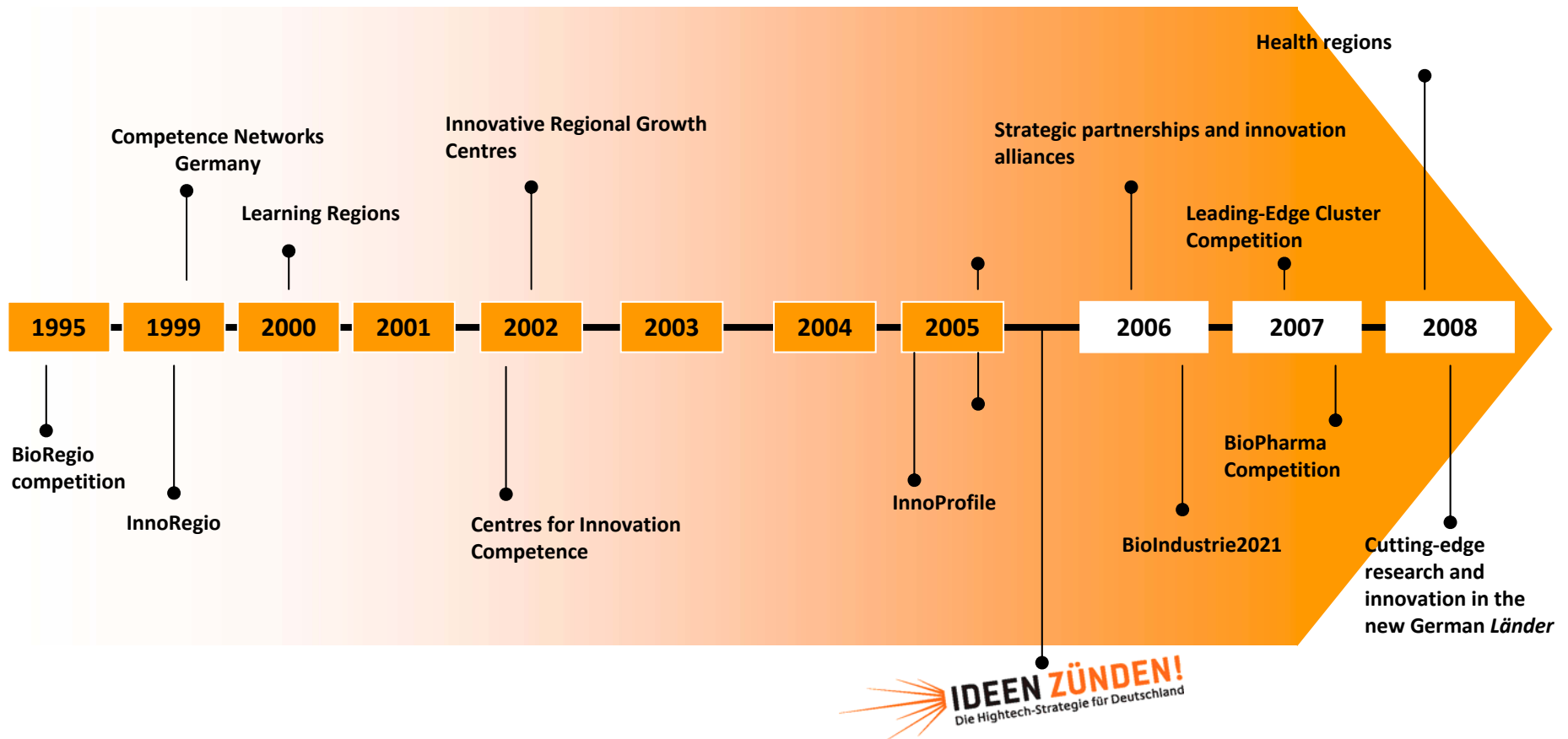
### ... Forward-looking projects

- are being developed by groups of promoters,
- roadmaps drawn up for their implementation,
- drivers of and obstacles to innovation identified,
- research tasks designated and
- need for action formulated.





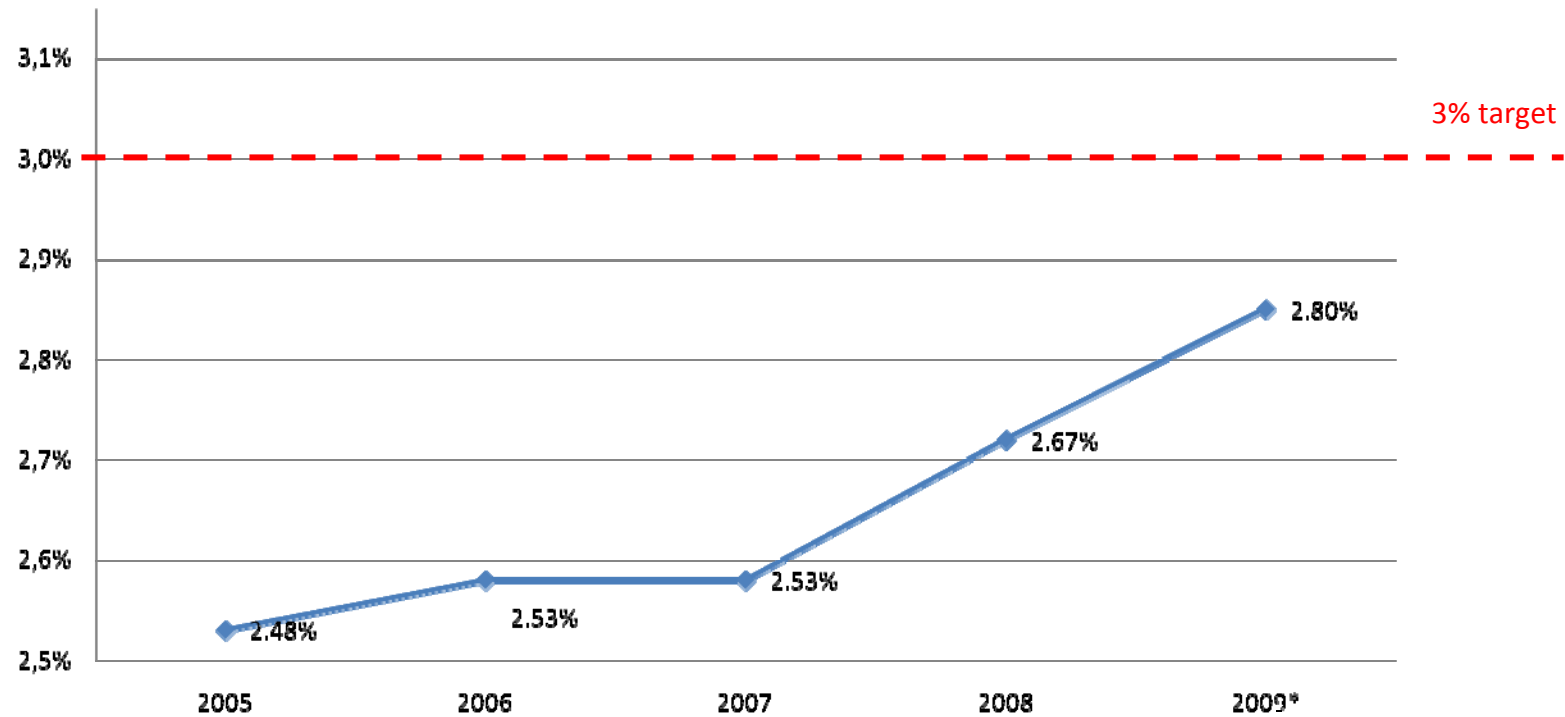
## 5 - Support of clusters in Germany





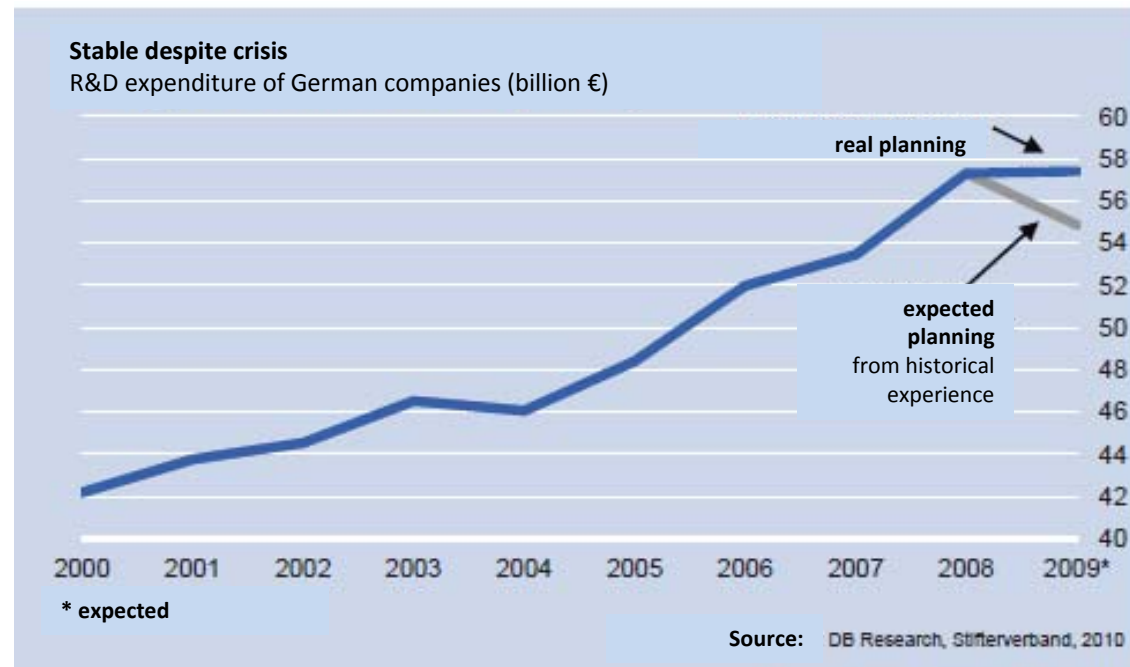
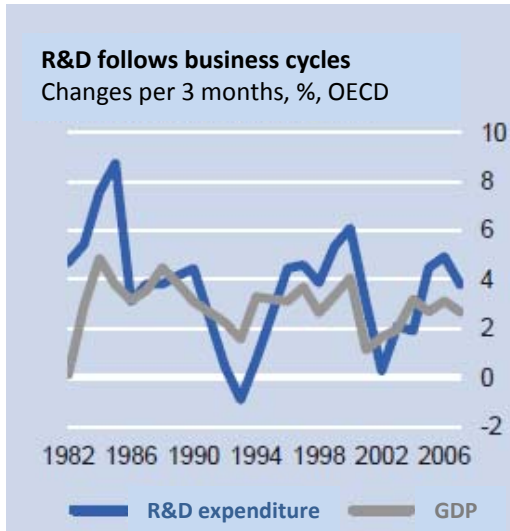
## 6 - Importance of investment in R&D

R&D as a percentage of GDP (2009 – first forecast)





## 7 - The current economic crisis





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## 8 – Innovation Dialog

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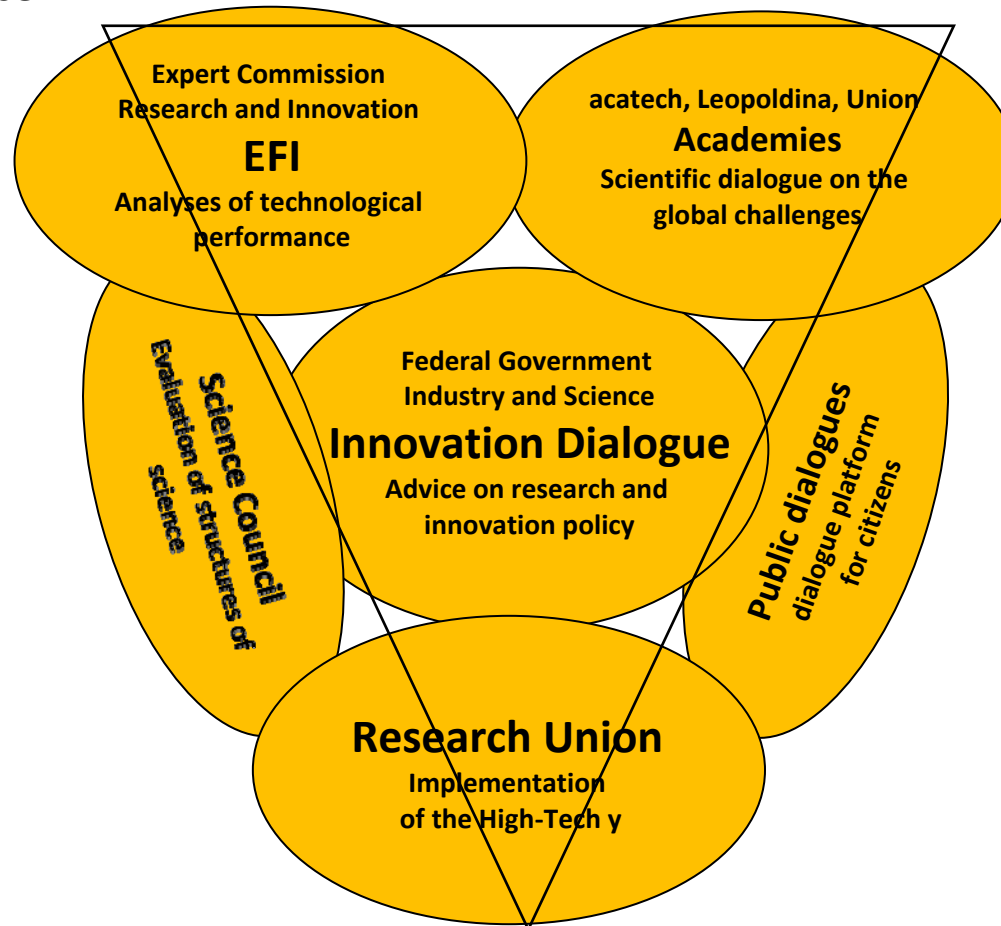
- “Innovations Dialogue” between the Federal Government (three members), industry and science (15 members)
- Observing new developments, findings and trends in the innovation cycle
- Using existing competence networks
- Intensifying the exchange on questions of innovation and technology policy
- Strengthening Germany as an industrial centre
  
- Chair: Prof. Dr. Henning Kagermann ,  
President of acatech – German Academy of Science and Engineering
- Office:  **acatech** DEUTSCHE AKADEMIE DER  
TECHNIKWISSENSCHAFTEN



## 9 -Policy advice on science, research and innovation

Analyse

Dialog



Implementation



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## 10 - Expert Commission on Research and Innovation

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- Independent expert body
- Scientific policy guidance
- Regular reports on Germany's research, innovation and technological performance
- Proposals for optimizing national research and innovation policy
- Made up of leading, internationally renowned scientists.



<http://www.e-fi.de>



## 11 - Industry-Science Research Alliance

- Body advising the Federal Minister of Research on innovation policy
- Implementation and expansion of the High-Tech Strategy
- Increasingly active in the societal dialogue
- Identifies drivers of innovation, obstacles to innovation and relevant cross-sectional issues
- Formulates research tasks and identifies the need for action
- Members from industry and science
- New configuration met for the first time on 25 February 2010

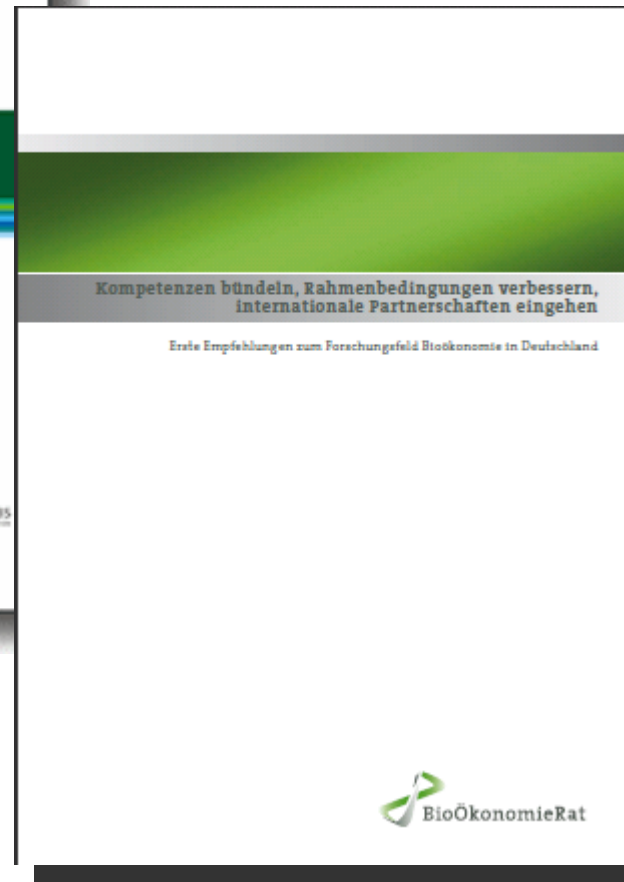


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## 12 - Examples of key reports of German academies



Example **Demographic Change**



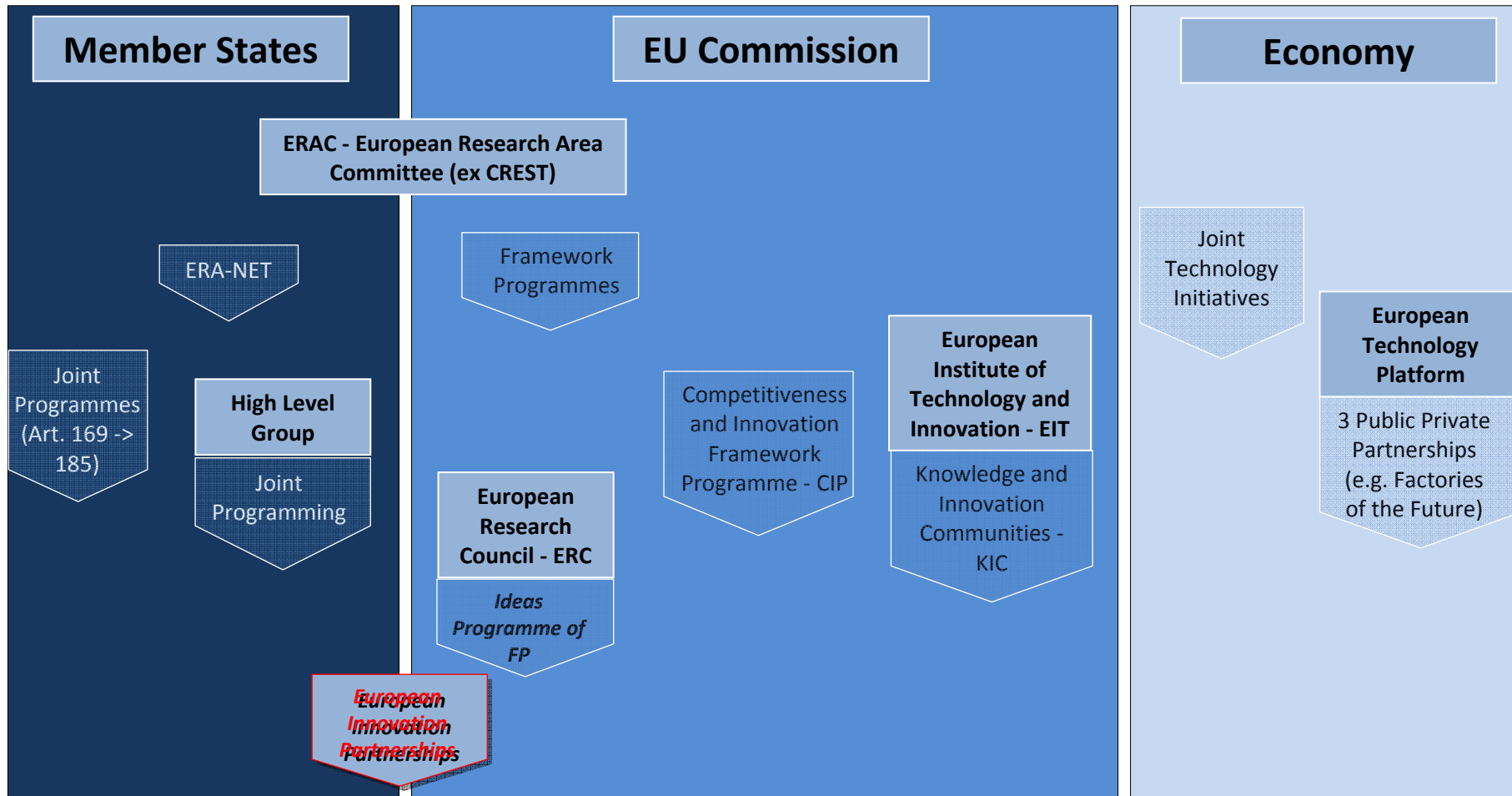
Example **Bio Economy**



Example **Energy Research**



## 13 - New structures for cooperation with the Innovation Union





## Thank you for your attention

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Hannoversche Straße 28-30; 10115 Berlin

**For more detailed information, see:**

- BMBF: Ideas. Innovation. Prosperity. – High-Tech Strategy 2020 for Germany
- BMBF: Federal Report on Research and Innovation 2010
- Commission of Experts for Research and Innovation (EFI): Research, Innovation and Technological Performance in Germany - Report 2010
- European Commission: INNO-Policy TrendChart – Innovation Policy Progress Report Germany (2009)