



Federal Ministry
of Education
and Research

Germany as a partner in the EU Framework Programme

- Lessons learned from the ZEW-study on german participation in FP6 -

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RESEARCH

Igniting ideas!



EU Research Framework Programme

The EU Framework Programme is a programme of excellence!

- Projects and participants are selected on the basis of excellence
- Funding instruments promote collaborative research of the best researchers worldwide
- Large, export-oriented, high-tech and knowledge-intensive companies are more likely to use FP than national funding
- Motivation for participation in the framework programme:
 - Excellent scientific output
 - Knowledge transfer/mutual learning towards excellence
 - Networking with european and international excellence
 - Promotion of young researchers
 - Access to foreign markets
 - Not just „money“ for research but achieving strategic aims!



EU Research Framework Programme

Excellence and cohesion are communicating tubes

- Excellence supports cohesion
 - Lighthouse function of excellent research
 - Spreading of excellence through cooperation, networking and knowledge transfer
 - Brain circulation using the ERC and the „Marie-Curie programme“
 - Joint use of infrastructures
 - Mutual learning within ERA-Nets
 - Joint development of innovation strategies in „Regions of Knowledge“

- Structural funds support regional RTD
 - In the period 2007-2013 86 billion € (25% of SF funds) are earmarked for infrastructures, clusters, studies, innovation, training, start-ups. In Germany 29% of structural funds support RTDI.
 - Enabling participation in the Framework Programme



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- Within the 6th Framework Programme 10.058 projects were funded with 74.400 participants from the European Union, associated states and third countries
 - Institutions from 152 nations were involved
 - Only 18% of all project proposals were funded due to a severe 5-fold budget oversubscription



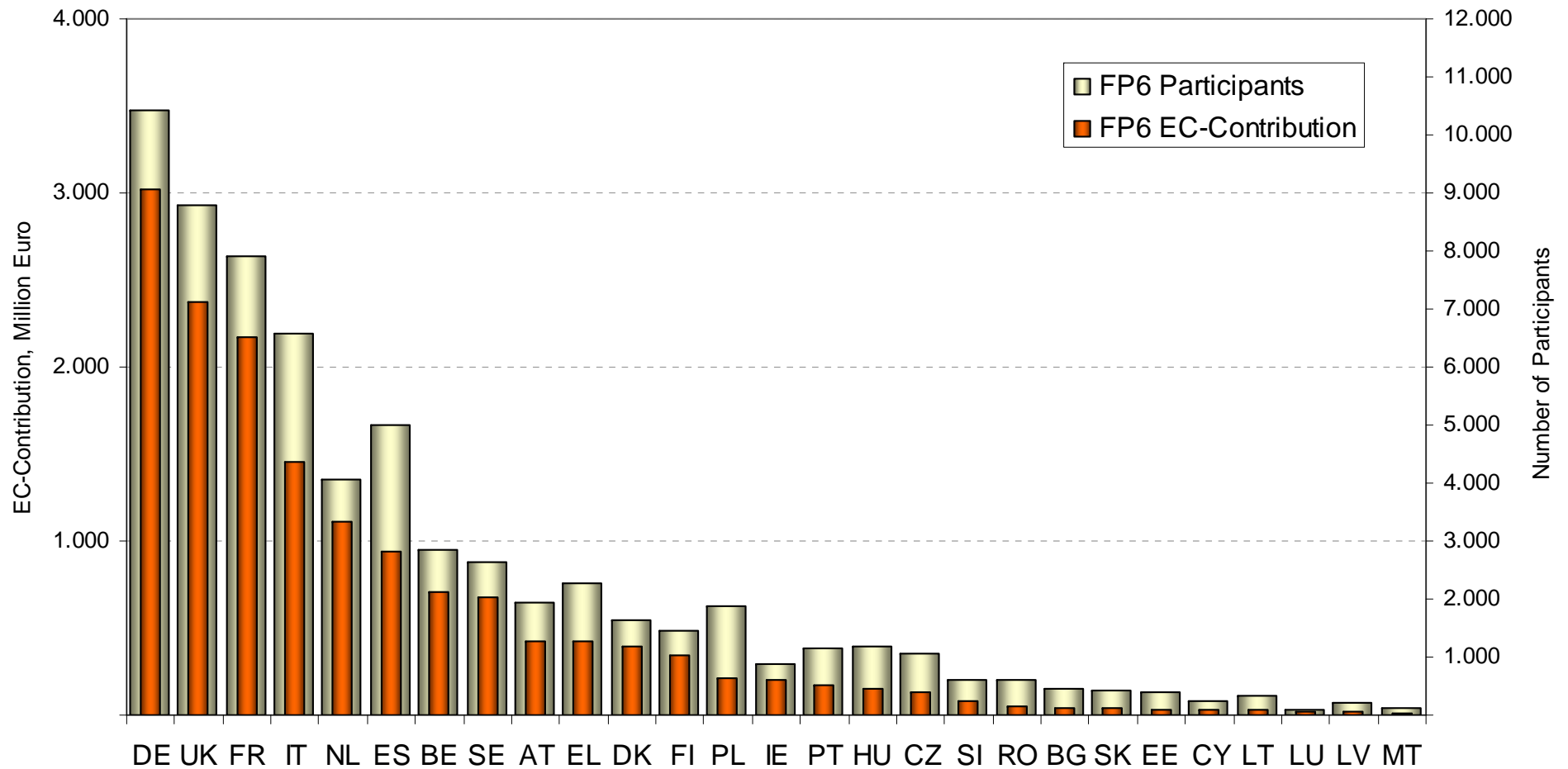
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Participation of Member States in the FP6

- German enterprises, research centers and universities are the most frequent partners in research projects followed by UK, FR and IT



Participation of Member States in FP6





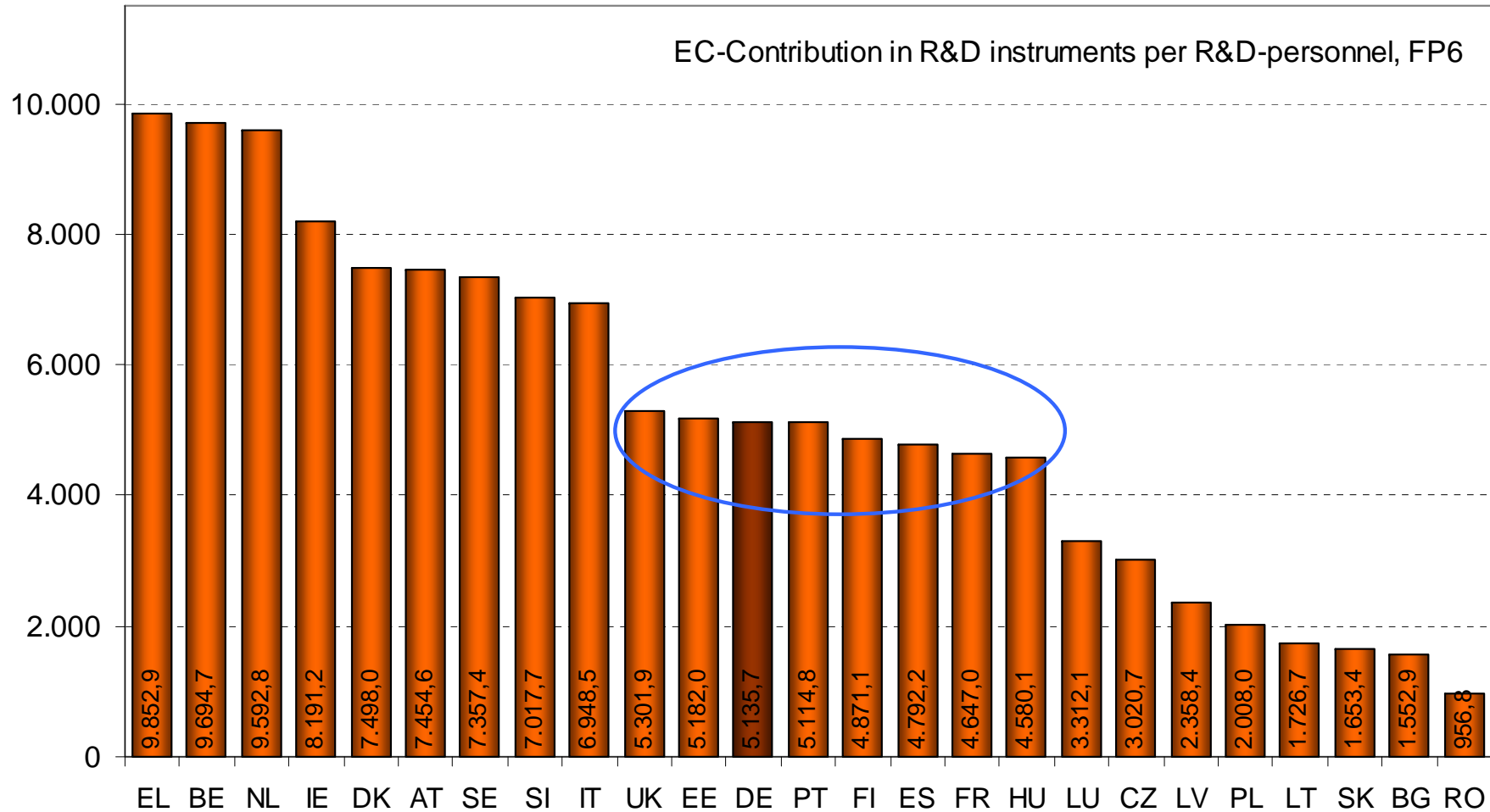
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Participation of Member States in FP6

- Considering its research potential (public R&D spending, R&D-personnel) German performance is comparable with the large Member States – United Kingdom and France



Participation versus Potential FP6



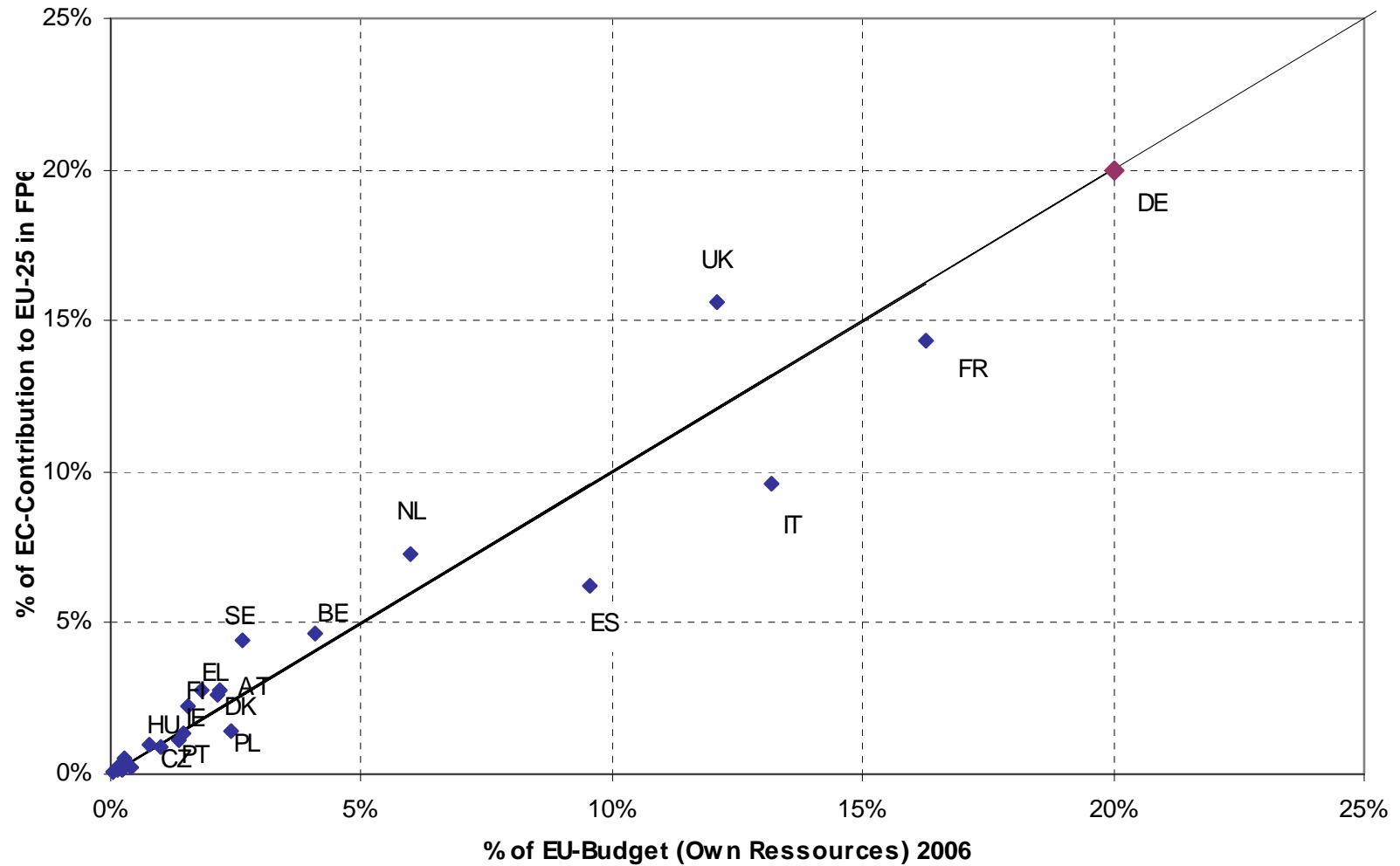


Participation of new Member States

- Compared to their contribution to the EU-budget most countries benefit from the Framework Programme
- The new member states show a much better performance than expected!
- Benefits from the Framework Programme don't arise from financial returns but through European Cooperation!

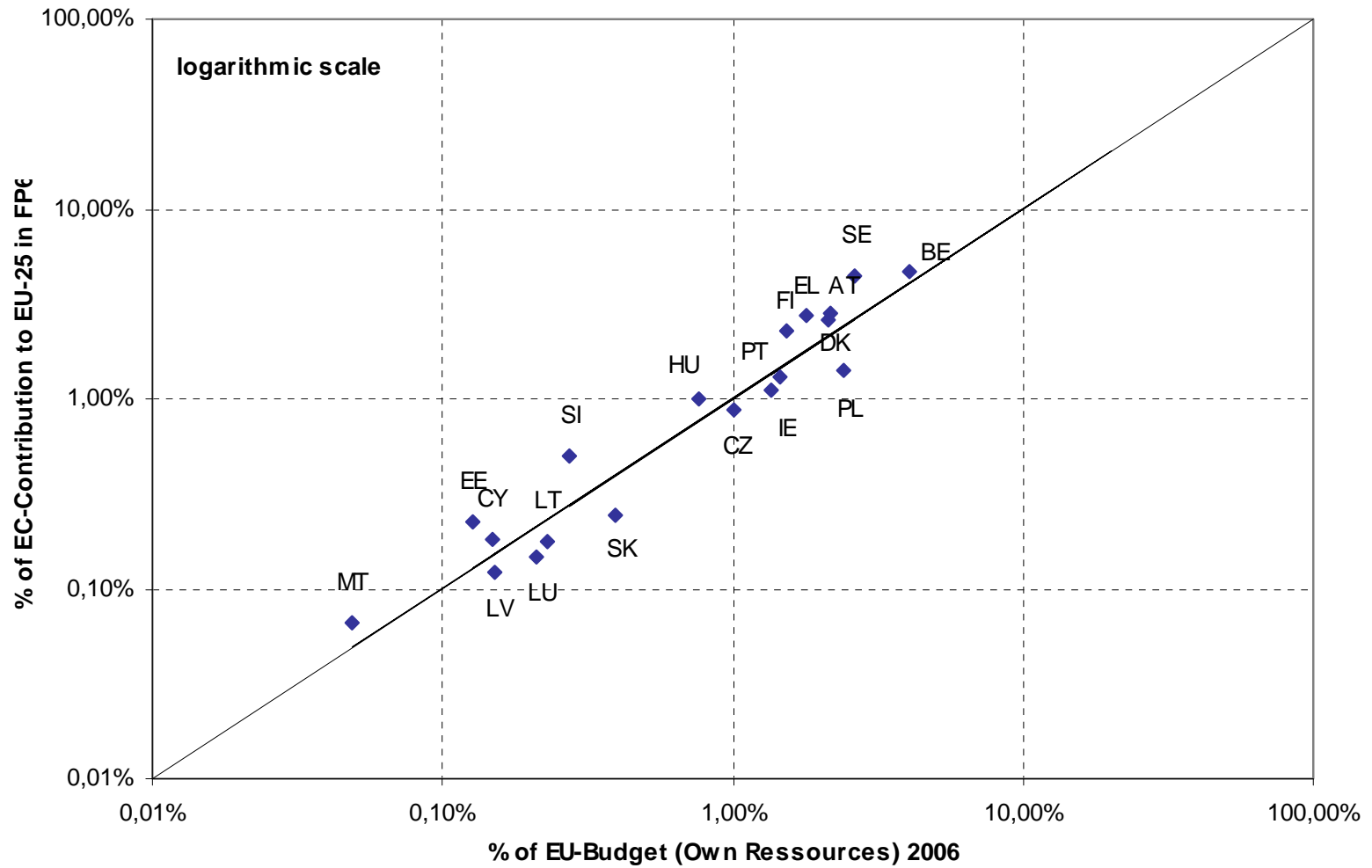


Participation in FP6





Participation in FP6





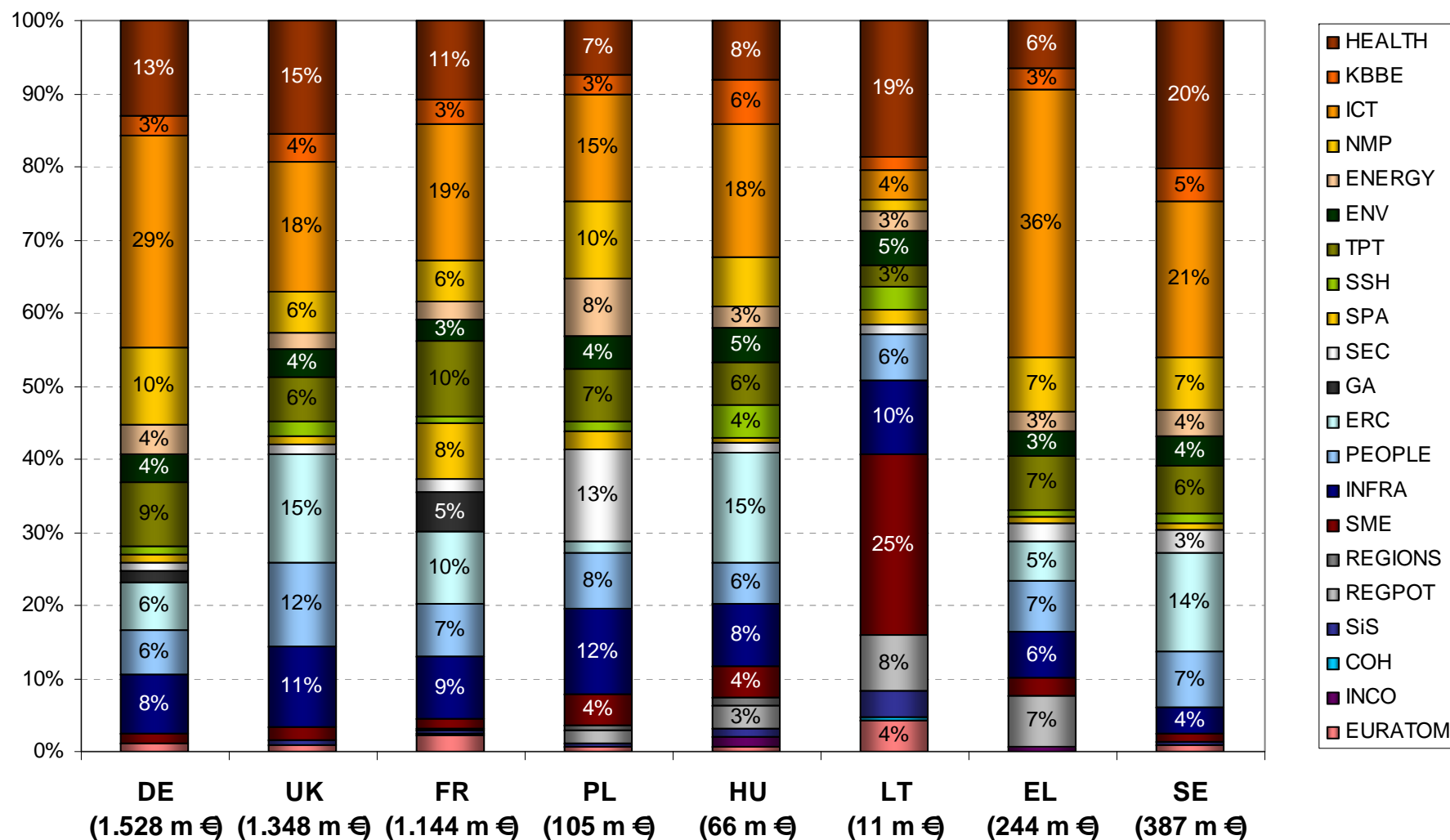
German participation in FP7

- Focus on Cooperation:
 - ICT (29% of funding), Health (13%), NMP (10%), Transport (9%)
- Strong industry participation:
 - One third (33%) of German participants are private companies (28% of funding)
- SME participation:
 - 17% of German participants are SMEs (12,4% of the total amount of funding to German participants)
- Internationalisation:
 - German partners collaborate with participants from 117 nations



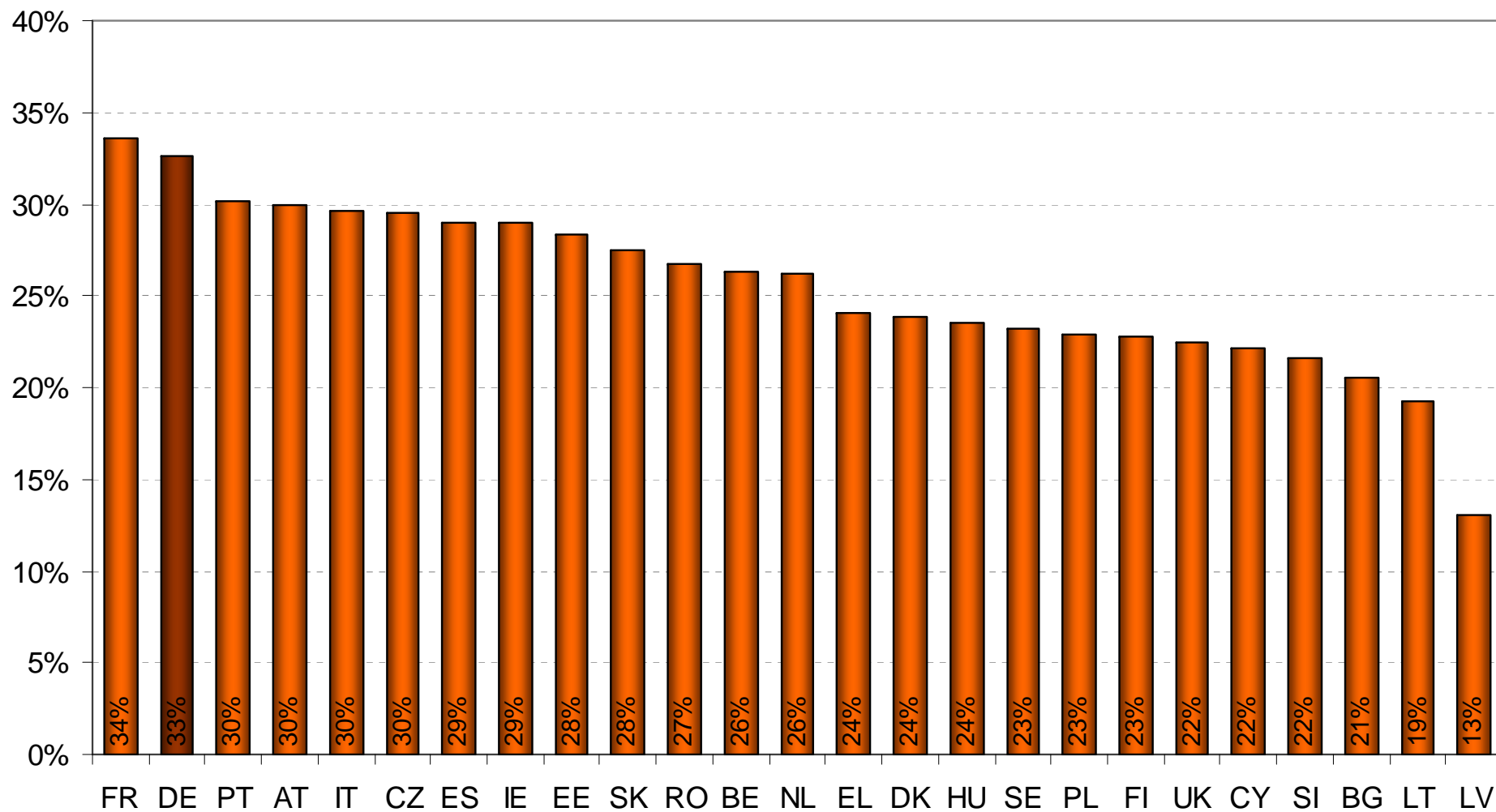
Every country has its own thematic specialization

FP7



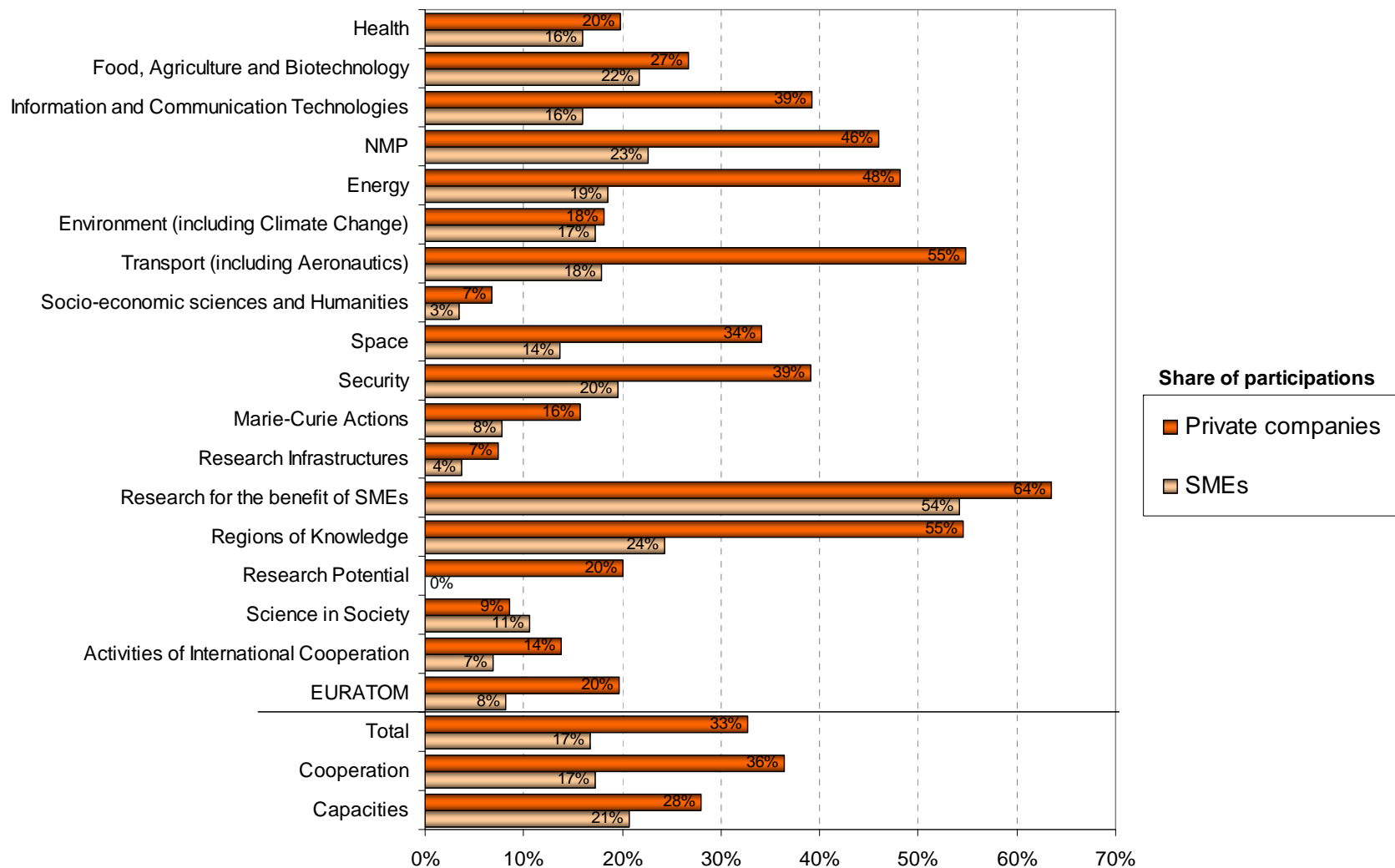


Participation of private companies FP7





Participation of German private companies and SME FP7





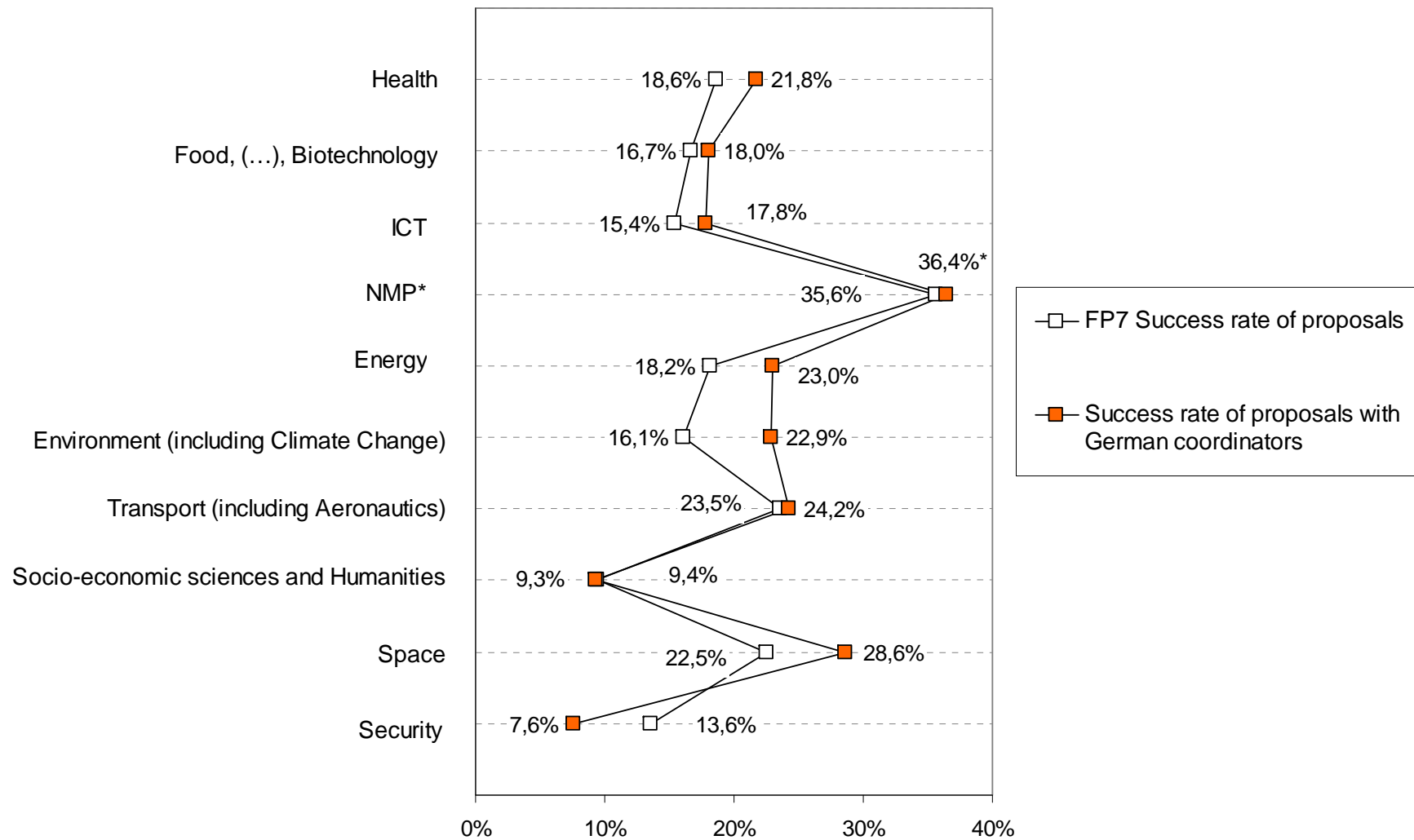
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Success rates of proposals FP7

- German coordinators are successful well above average in the calls for proposals of the Framework Programme



Success rates of proposals, FP7 SP Cooperation





The basis of success in the Framework Programme

- A strong national research is a prerequisite for a strong participation in the Framework Programme – creating a leverage effect of national R&D funding
- German RTD strategies and programmes lay the ground for a successful participation in the FP
 - High Tech Strategy
 - Cluster of Excellence Initiative
 - Federal Qualification Initiative
 - Central Innovation Programme for SMEs
 - Six Billion Euro Programme
 - Internationalisation strategy
- European research funding focuses on European challenges and supports trans-national research collaboration



Challenges for the future (1)

- **Increase of budget**

- Decrease of over-subscription to support more excellent projects
- New initiatives require additional funding
- Budgets tend to get earmarked for special issues like GMES, Recovery Plan, Public-Private-Partnerships

- **Stronger focus on innovation**

- Holistic approach of all aspects of the knowledge triangle in one framework programme
- Stronger focus on innovation measures to bridge over the Innovation Gap
- Integration of Competitiveness and Innovation Programme (CIP) and the European Institute of Innovation and Technology (EIT)



Challenges for the future (2)

■ **Simplification**

- Application of nationally accepted accounting procedures
- Clear-cut rules and regulations which allow consistent interpretation by participants and officials
- Reduction of time-to-contract

■ **Enhance efficiency**

- Continuity with instruments and their use in new thematic areas
- Defragmentation by streamlining regulations and rules of different instruments of ERA (e.g. Collaborative Projects, JTIs, ERA-Nets)
- Further development of monitoring system and evidence based evaluation



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Contact

- BMBF:
www.bmbf.de
- German FP portal:
www.forschungsrahmenprogramm.de