



Die
Bundesregierung

iDEEN
INNOVATION
WACHSTUM
Die Hightech-Strategie für Deutschland

Practical Approach to Cooperation between Research Institutions and Industry in Germany

Praha, May 30, 2011

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Federal Funding Advisory Service

HIGHTECH-STRATEGIE

Ideen zünden!



Content

- Federal Funding Advisory Service
- Situation in Germany: Research and Industry
- Transfer Activities in Germany
- Support Mechanisms
- Examples: Specific Programme Activities

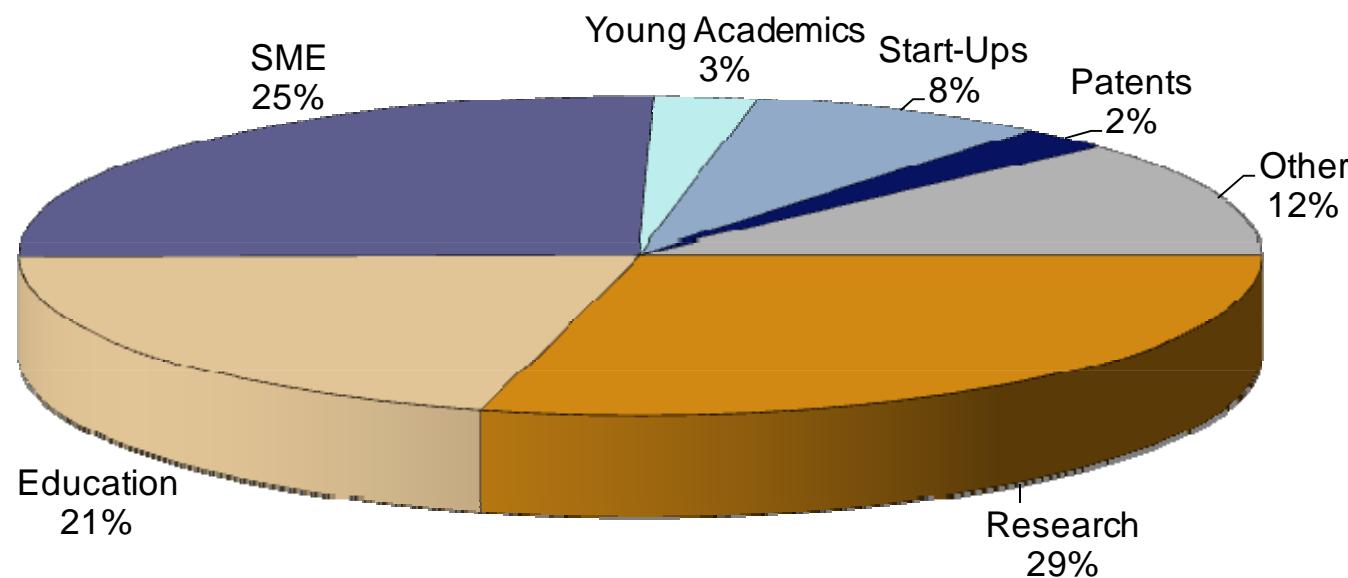
Federal Funding Advisory Service

- Central contact point for questions concerning funding of research and innovation in Germany
- Part of Project Management Agency Jülich (PtJ)
- Work on behalf of the Federal Ministry of Education and Research
- (also Federal Ministry of Economics and Technology, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Federal Ministry of Transport, Building and Urban Development, Federal Foreign Office)
- 6 consultants + 1 answering machine + back ground call center
- 2 free of charge hotlines





Competences



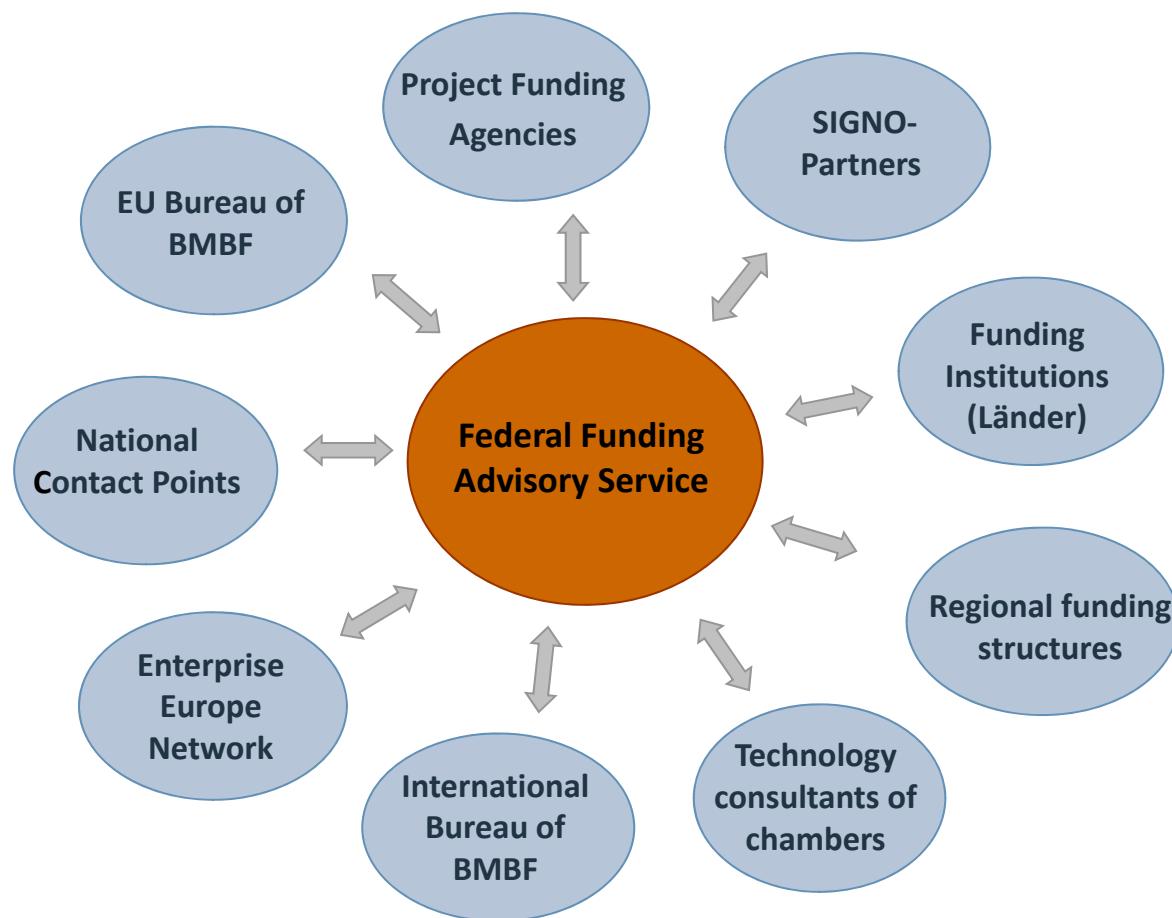
Range of Services

- *ad hoc* review of project ideas: Does the programme fit my idea?
- Response to enquiries over the phone, via email or during a counselling interview
- Pro-active information of clients on Federal funding measures on a regular base with **AS-Info**, our electronic newsletter
- RSS Newsfeed concerning all funding notifications
- Comprising overview of the German funding landscape:
www.foerderinfo.bund.de (own publication)





Network Partners





Technology Transfer in Germany

- Situation in Germany: Research and Industry
- Transfer Activities in Germany
- Support Mechanisms
- Examples: Specific Programme Activities



University-Industry Collaboration

- Basic research
- Contractual research
- Publicly funded and institutionalised
- Financial support on a project base
- Programme lines for SMEs



Institutionalised Funding

Basic funding of research institutions which act on behalf of the Federal States as well as the Federal Government.

Institutions are funded to a different ratio by the Federal States as well as the Federal Government and perform preferably basic research (Max-Planck) or applied research (Fraunhofer).

So-called major research institutions do research in areas of public interest (Helmholtz and Leibniz).



Current Situation of University-Industry Collaboration

- Awareness rises
- Mostly contractual research
- Hesitations due to tradition on both sides
- „small players“ still less active
- Federal States are responsible for their universities

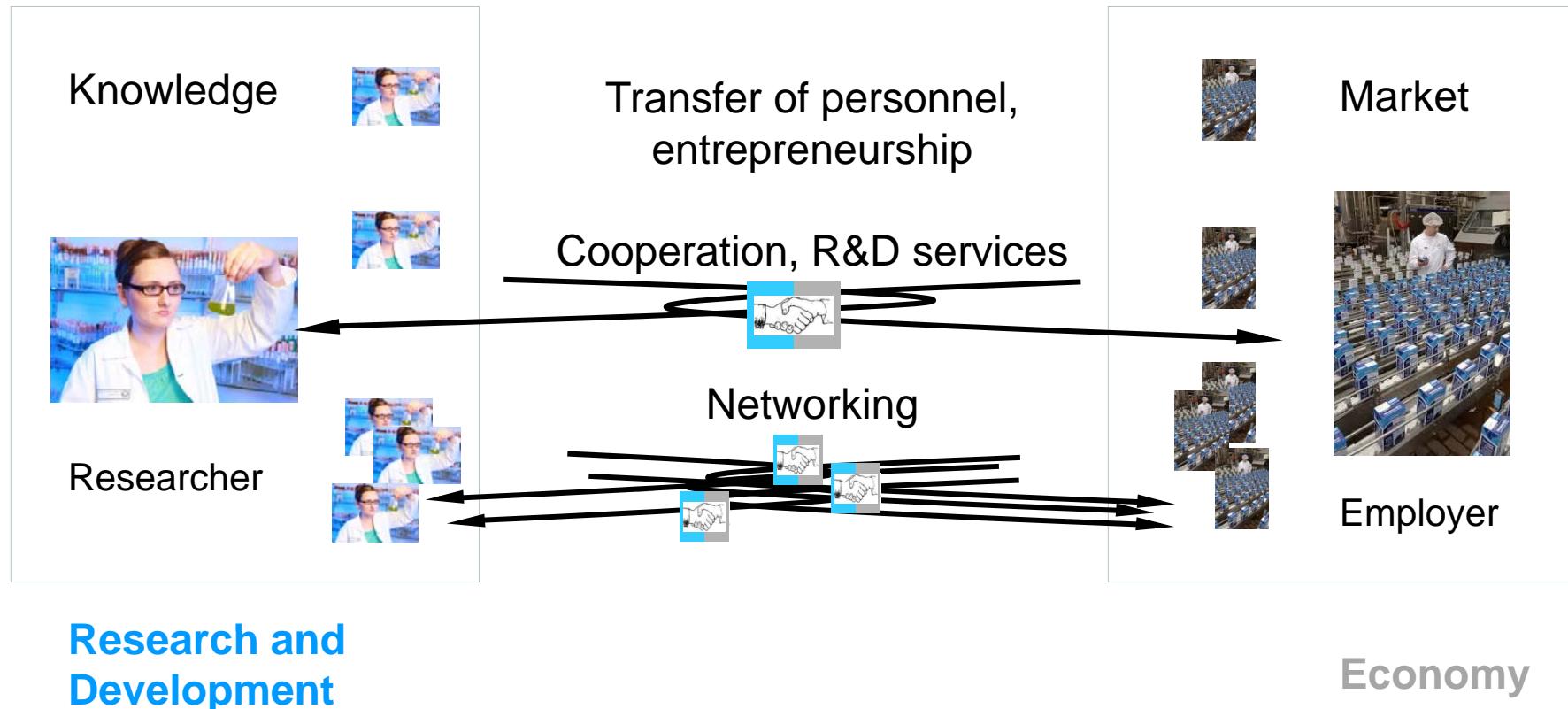


Infrastructure of Knowledge and Technology Transfer in Germany

- Federal Funding Advisory Service
- Technology transfer offices at universities, applied universities and other research institutions
- Patent and Exploitation Agencies in the Federal States
- Initiative *Competence Networks Germany* (national)
- Technology consultants of the chambers (regional)
- Transfer offices at regional funding institutions
- Area-specific research institutions (national)
- Private technology consultants (regional)



Knowledge and Technology Transfer – Focus of the Hightech-Strategy



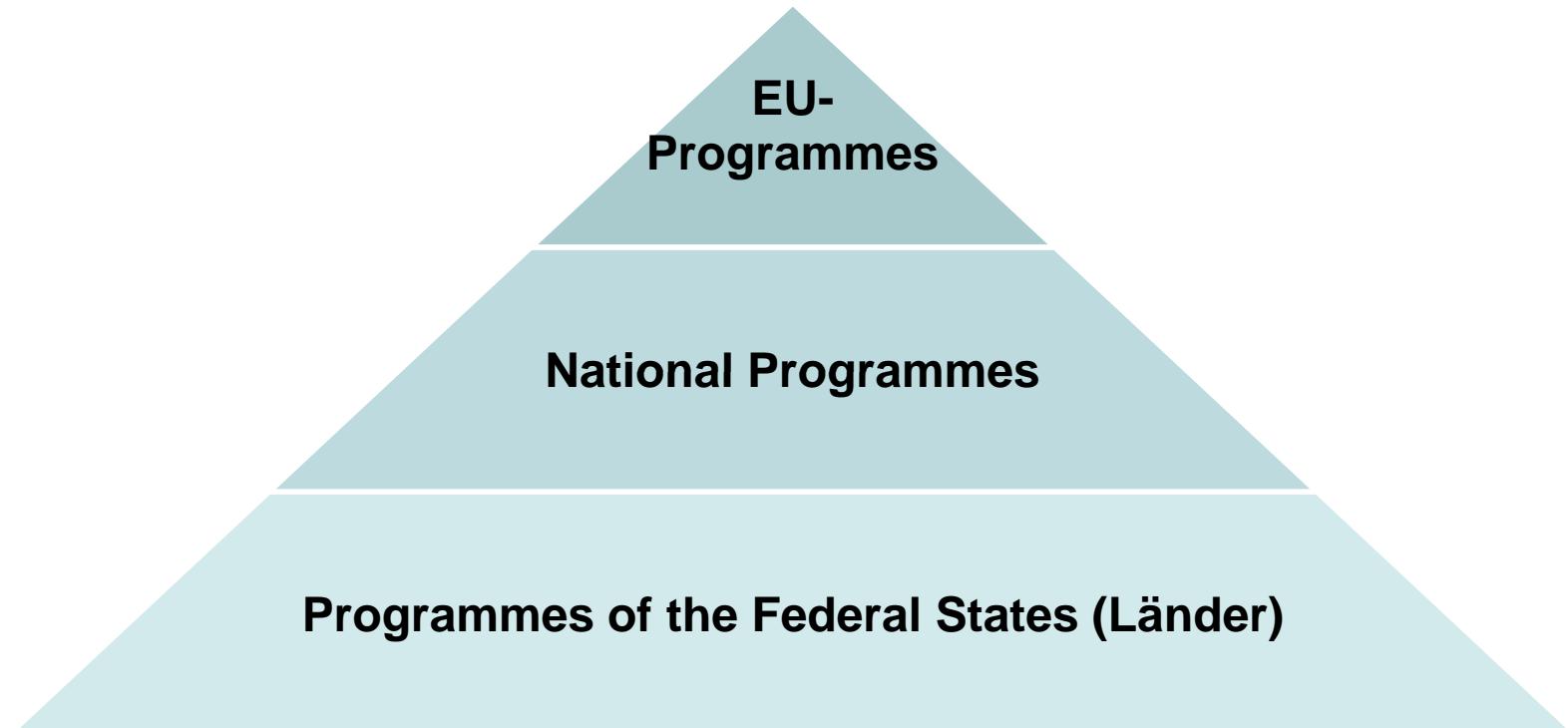


Issues to Encourage University-Industry Collaboration

- All aspects of IP
- Awareness raising; support of mutual understanding
- Personnel exchange
- Validation
- Network Management



How does it work? Research Funding in Germany





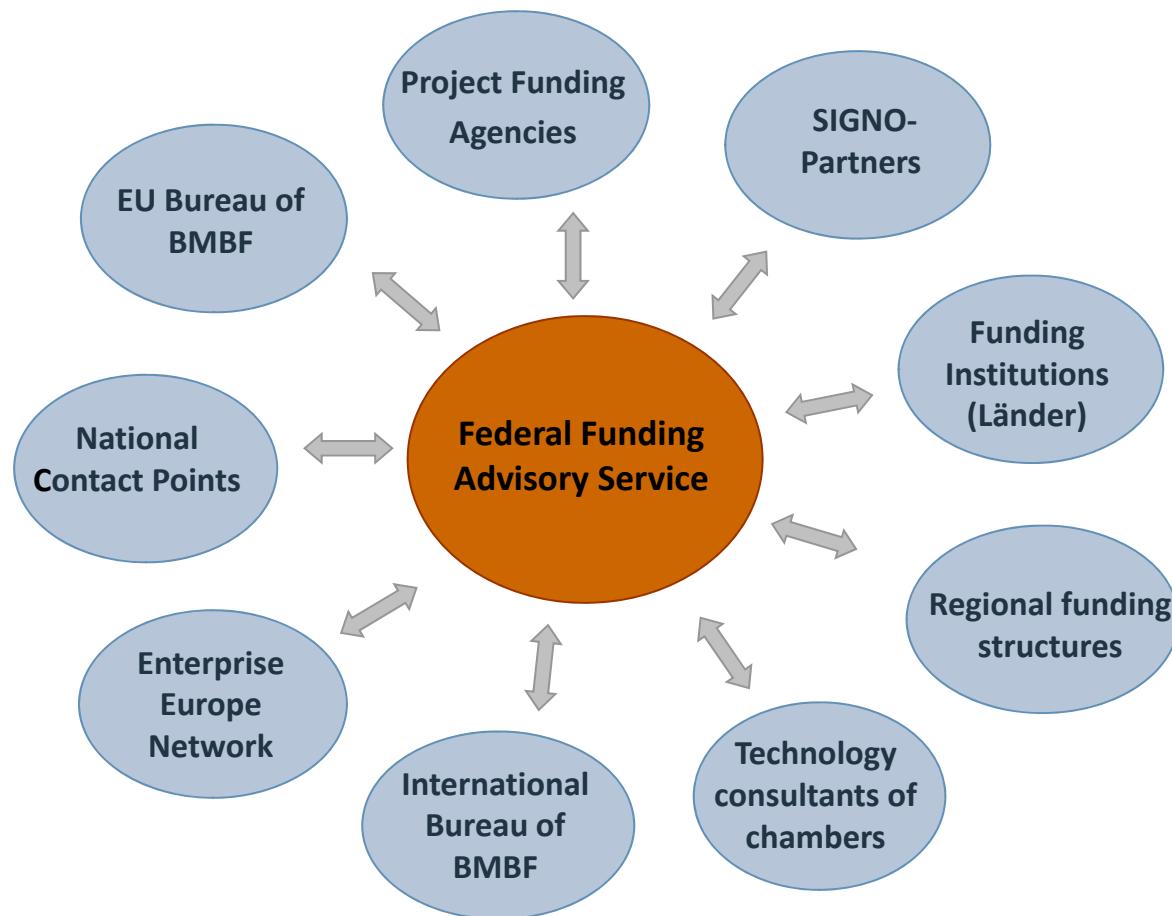
Objectives of Project Funding

Enhancement of the innovative power and competitiveness of SMEs

- Company growth, job creation
- Market-oriented R&D
- Reduction of technical and economic risks
- Rapid implementation of R&D results
- Expansion of cooperation of SMEs and research organisations and of technology transfer
- Improvement of innovation, cooperation and network management in SMEs



Network Partners





Programme Structure of Federal Funding

Research Funding

Technology-oriented funding programmes

Funding concepts for new key aspects

Specific SME research funding programmes
KMU-innovativ

Technology Funding for SMEs

Technology-independent funding programmes (*ZIM*)

Technology Transfer

Innovation Funding

Entrepreneurship Support

Research Infrastructure

Promotion of Economic Development

Financing Programmes

Structural Funds

Foreign Economics Funds

Labour Market Funds

Preparatory Measures for International Cooperation in Research and Technology



Specific Funding, Provided by Different Ministries

Federal Ministry of Education and Research (BMBF):

ICT 2020, Health Research, Bio-Economy, Research for Sustainability, Nanotechnology, Optical Technologies, Material Innovations, Research on Manufacturing, Research on Security, Basic Research, Energy, Work Processes and Services, Humanities and Research on Education.

Federal Ministry of Economics and Technology (BMWi)

Non-nuclear Energy Research, Efficient Energy Transformation, Nuclear Safety and Ultimate Storage, Transportation, Space Flight, Navigation, Offshore Technology.

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

Sustainable Energies, Climate Initiative, Biological Diversity.

Federal Ministry of Food, Agriculture and Consumer Protection (BMELV)

Research in Agriculture, Renewable Resources, Bio energy.

Federal Ministry of Transport, Building and Urban Development (BMVBS)

Research on Construction, (Hydrogen) Fuel Cell Technology, Electro mobility.



Support Programmes and Concepts for SMEs

- Funding for SMEs, area-focussed programmes (**innovative SME**)
- Funding for SMEs, technology open (**ZIM, ERP-innovation programme**)
- Funding for Start-ups (**EXIST, HTGF**)
- Technology transfer (**SIGNO, Competence Network Germany**)
- Innovation consultancy (**go inno, exchange programme TOP**)
- Infrastructure for research (**IGF**)
- New instruments and „cross section measures“ (facilitation of international cooperation, **EUREKA and EUROSTARS**)



Measures to Support Collaboration of SMEs

Innovation Vouchers

- Identification of innovation potential
- Methodical preparation of own R&D projects

Central Innovation Programme SME (ZIM)

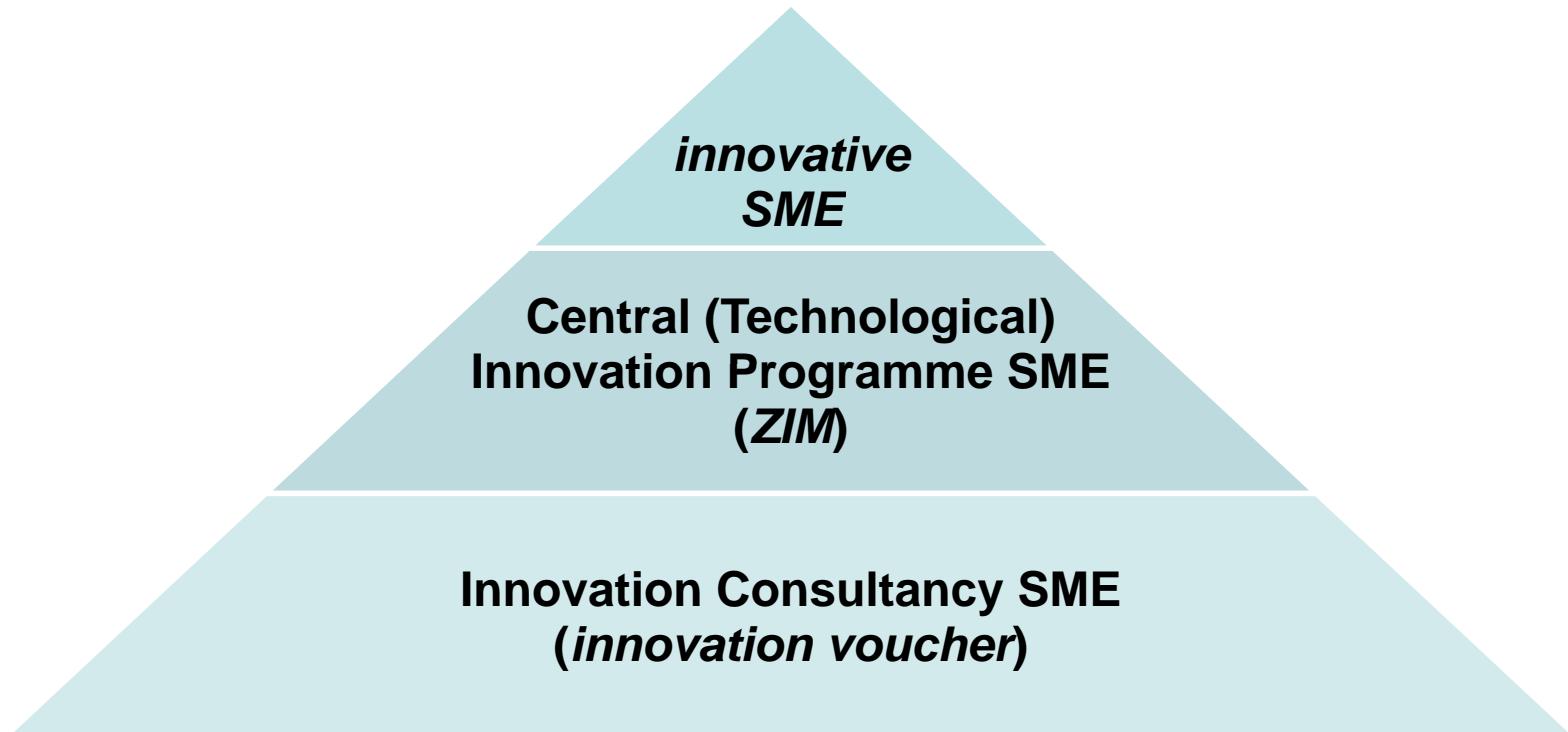
- Technology support for SMEs
- Particular projects, cooperations as well as networks of companies

Funding Initiative *innovative SME*

- Particular funding for most innovative SMEs in specific sectors



Technology Funding for SME, Examples.



Innovation Voucher



Support for

- Idea – audit of the company or proof of concept analysis
- Concept – concept of realisation
- Implementation – Project management

The SME pays the consultant with this voucher.

The consultant cares for all administrative effort.

Small effort as well as low risk for the SME



Central Innovation Programme SME (ZIM)



- Funding of challenging and risky technical R&D projects in SMEs
- Geared towards the needs of SMEs
- Open to all technologies and sectors
- Straightforward application and administration
- Fast approval process
- Several funding options for precise funding solutions
- Parallel application possible

Central Innovation Programme SME (ZIM)



ZIM-KOOP

R&D - cooperation
between companies
as well as with research
institutions

ZIM-SOLO

R&D projects within
one company

ZIM-NEMO

networking
projects of
innovative SMEs

**DL- services which support the
innovation**

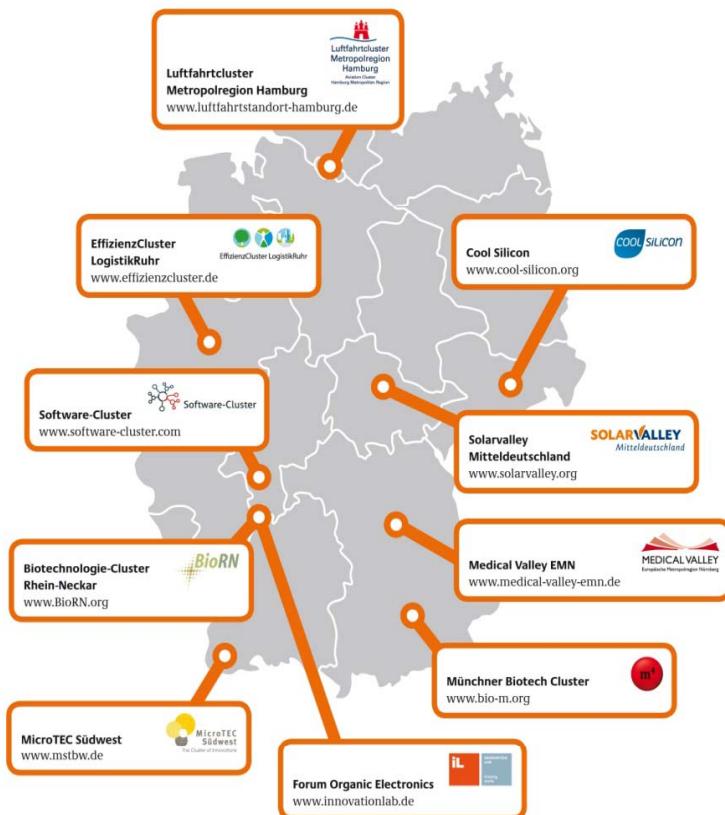
Funding Initiative **INNOVATIVE SME**



- Much simpler access to research funding for SMEs
- Reaching SMEs which never considered funding so far
- Particular motivation for young SMEs which do high-tech research
- Support of challenging research projects with high market potential



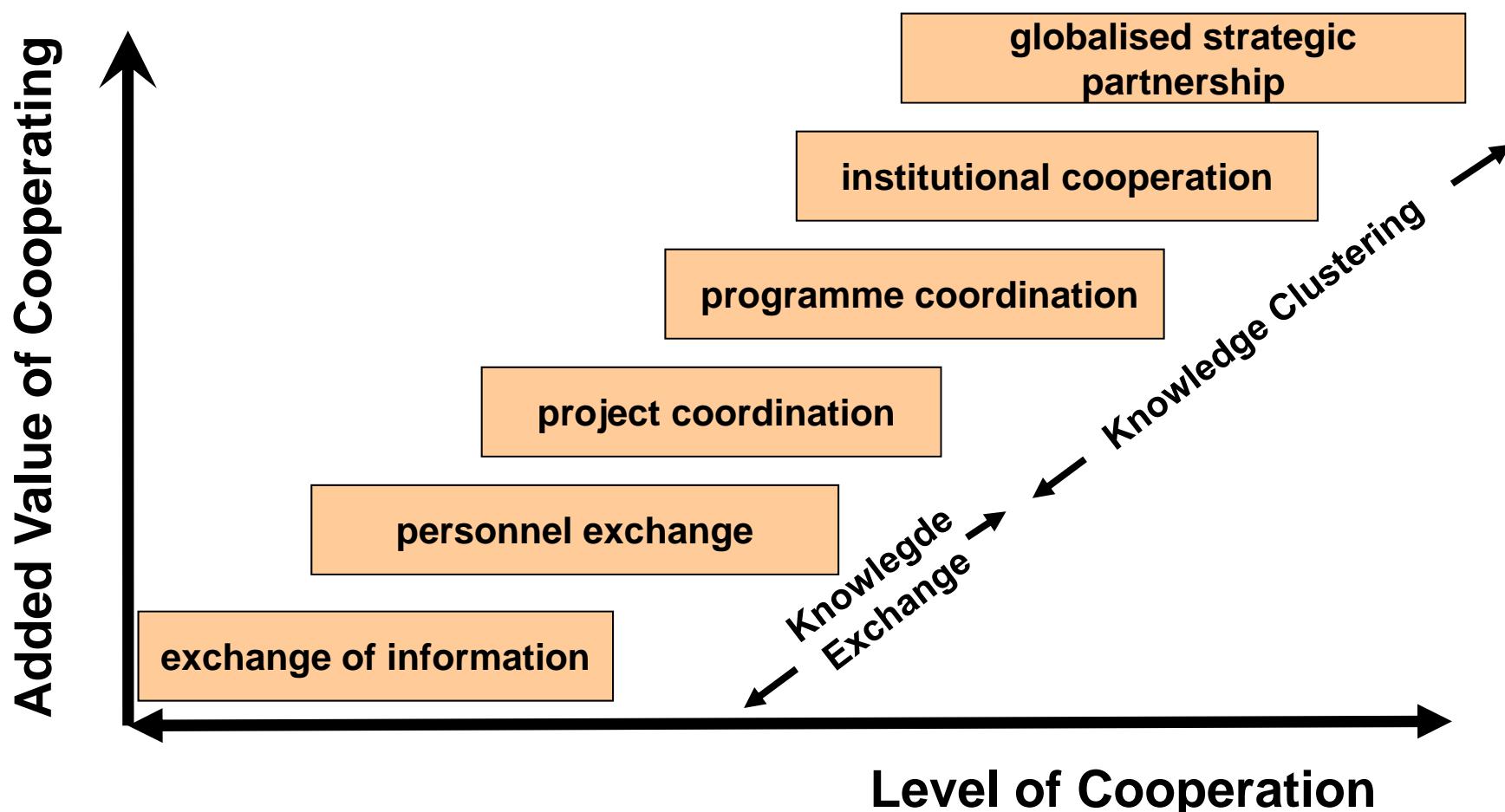
Leading-Edge Cluster Competition



- High-performance clusters
- Formed by business and science that enter into strategic partnerships in the region
- Common approach to applied R&D on future technology
- <http://www.hightech-strategie.de/en/468.php>



International Cooperation





Central (Public) Information Portals

Federal Funding Database – all recent funding notifications

www.foerderdatenbank.de

Funding Catalogue – overview of funded projects

www.foerderkatalog.de

Research Portal – search engine including all servers of publicly funded research institutions

www.forschungsportal.net

Portal „Cooperation International“ – information on research infrastructure abroad

www.kooperation-international.de



Contact

Förderberatung „Forschung und Innovation“ des Bundes

Projekträger Jülich, Forschungszentrum Jülich GmbH
Zimmerstraße 26-27
10969 Berlin



Förderberatung „Forschung
und Innovation“ des Bundes
Wegweiser zur Forschungs- und Innovationsförderung

Research Funding Measures: **0800 2623-008**
Company Guidance: **0800 2623-009**
(from abroad: +49 30 201 99 - 419)

Homepage: www.foerderinfo.bund.de/en
E-Mail: beratung@foerderinfo.bund.de





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Thank you for your time and attention!

