Research and Development in Germany and the involvement into the R & D Globalization

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Science + Statistic + Consulting
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Structure

- R&D in the mirror of statistics
- Indicators of R&D-Globalization
- Cooperation in EU-FP
- Exchange of Academicians and Scientists
- Summing up
- Next Steps

Statistical Frame:

Frascati Recommendation / OECD

 For EU-Members compulsory: EU-regulation Reg.-Nr.: EC 753 / 2004

"Frascati Family" OECD-Handbooks for S&T-Indicators

Oslo Innovation Survey

Globalization Reporting about internationalization S&T-Indicators

Canberra Human Resources

Patent

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• Sweden: 3.62 (2009)

Finland: 3.84 (2010)

• Germany: 2.82 (2009)

• EU: 1.90 (2009)

• Japan: 3.33 (2009)

• USA: 2.79 (2008)

• Russia: 1.24 (2009)

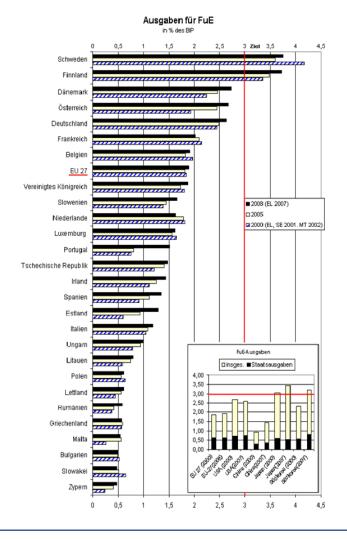
some data preliminary

Source:

Europäische Kommission SEK (2010)

MSTI

Stifterverband-Wissenschaftsstatistik



Lisbon-Agenda

Decision of the European Council in Lisbon in 2000

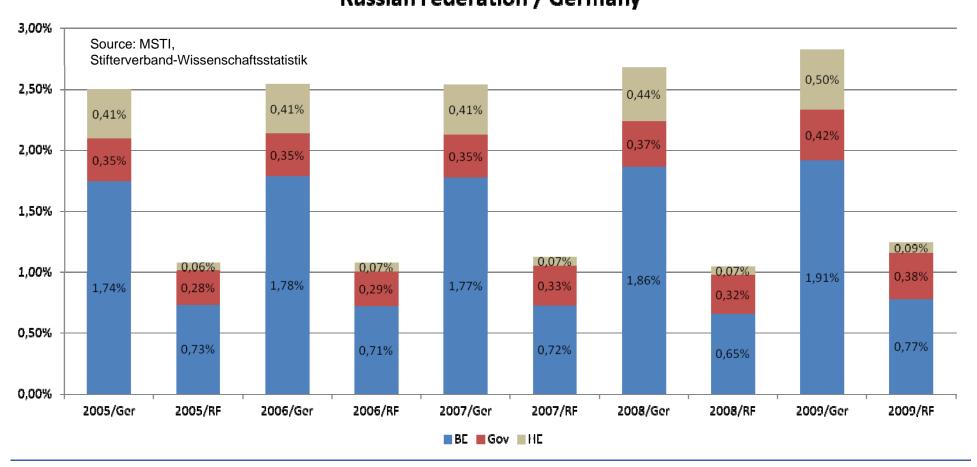
"...to make Europe .. by 2010 .. the most dynamic 2knowledge based area of the world..."

3 % of GDP for R&D

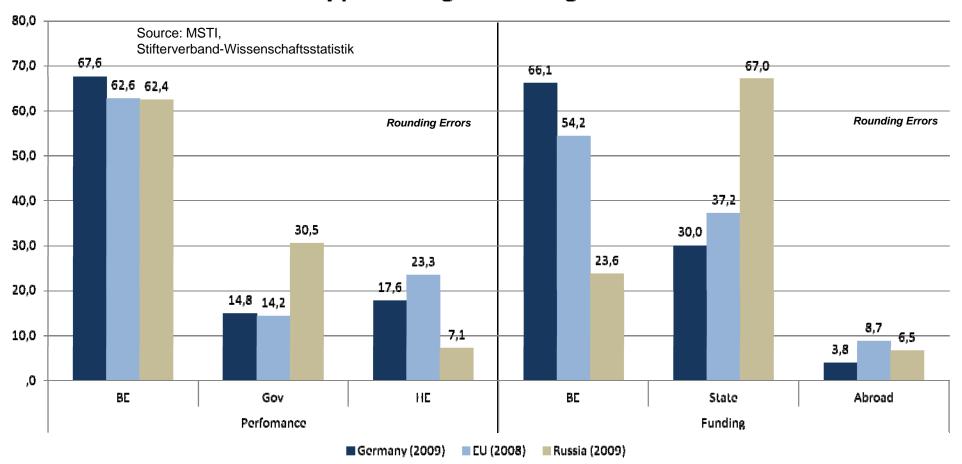
2/3 by BE-Sector

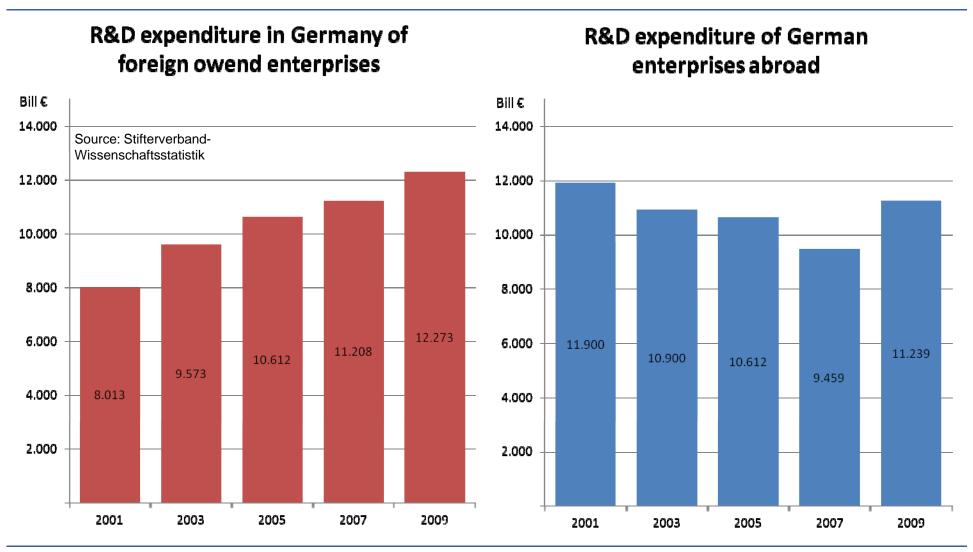
For Europe in total

R&D per GDP 2005-2009 By performing sectors Russian Federation / Germany



R&D expenditure Germany / EU / Russian Federation By performing and funding sectors





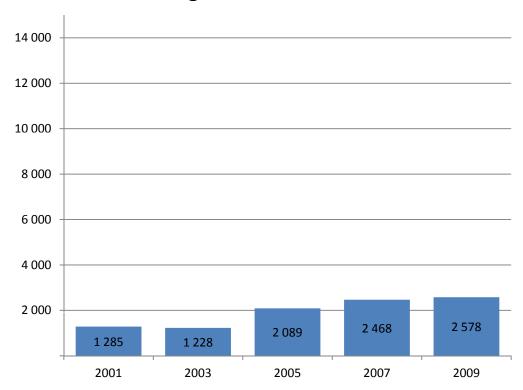
Source: Stifterverband-Wissenschaftsstatistik Data 2005 / 2007

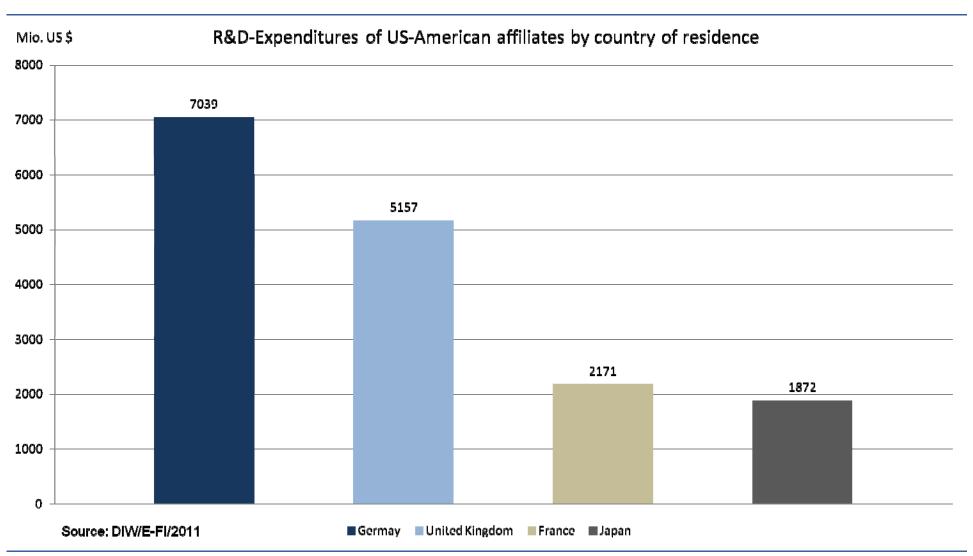
Some Key Countries of inward-engagement

NAFTAEUROPE	37, 6 % 59, 0 %		
EONOTE	»	France	18, 4%
	»	Netherlands	15, 8 %
	»	Switzerland	12,0%

• Russia *insignificant*

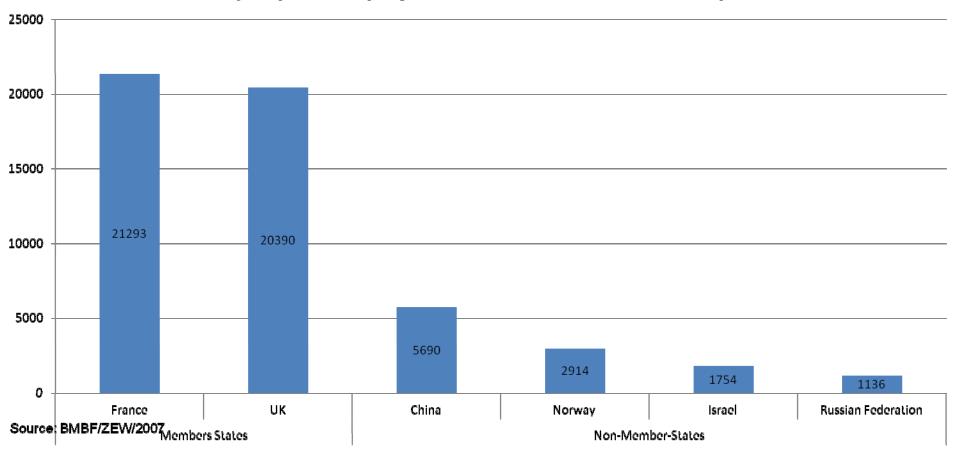
GERD Germany funding from abroad



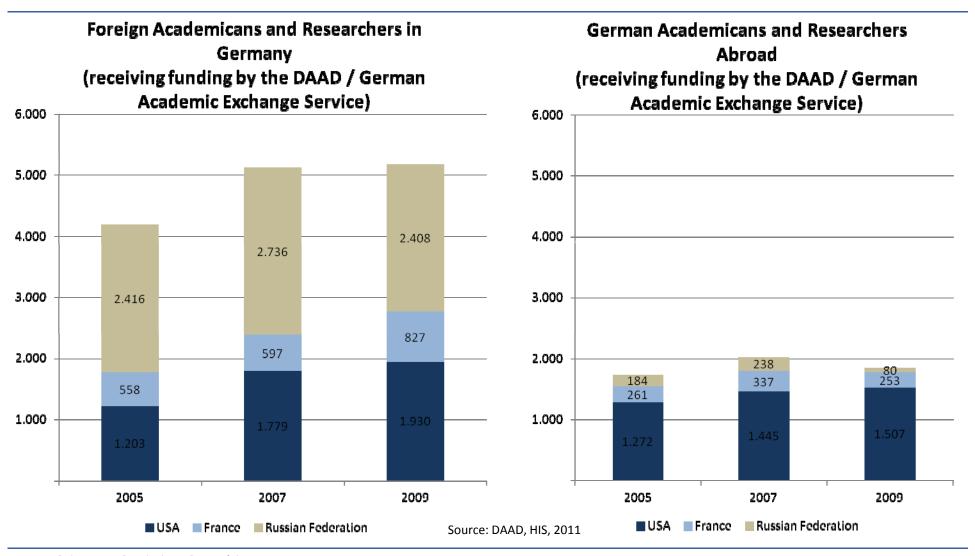


Cooperation in EU-FP

Project proposals of German partners with external partners (cooperation project within the EU-FP 2002-2006)



Exchange of Academicians and Scientists



Summing-Up

- Germany is highly imbedded in R&D-globalization
- Foreign owned enterprises stand for ca. 25 % of German BERD
 - Roughly 12 Bill. €
 - Key "Inward" Countries NAFTA / NL / F / CH
 - Russian-owned affiliates not significant in R&D in Germany
- Russia is not in the "R&D-focus" of German Enterprises
- The mutual cooperation in Science, Research, Development and Innovation is in a developable, pre-optimal state.
- This appears for cooperation in BE and HE sectors.

Next Steps

- Inquire the "state of art" of R&D- and innovation cooperating between Research institutes in Russian Federation and Germany.
- Character and specifics of cooperation
- Focus on enterprises
- Options of cooperation
- Recommendation
- Project Partner
 - HSE
 - Uni Hohenheim
 - Grenzmann Consulting
- Within the German-Russian Year of Science

Many thanks for your attention

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