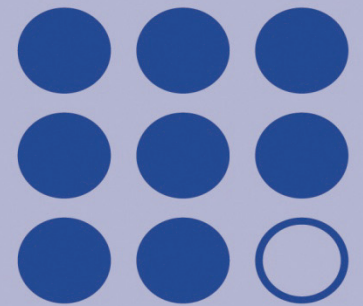


RTI-Strategy – Priorities, Recommendations

DI Dr. Ludovit Garzik

Managing Director of the Austrian Council for Research and
Technology

Forschung Austria Workshop, Alpbach 2011



**austrian
council**

RAT FÜR FORSCHUNG UND
TECHNOLOGIEENTWICKLUNG



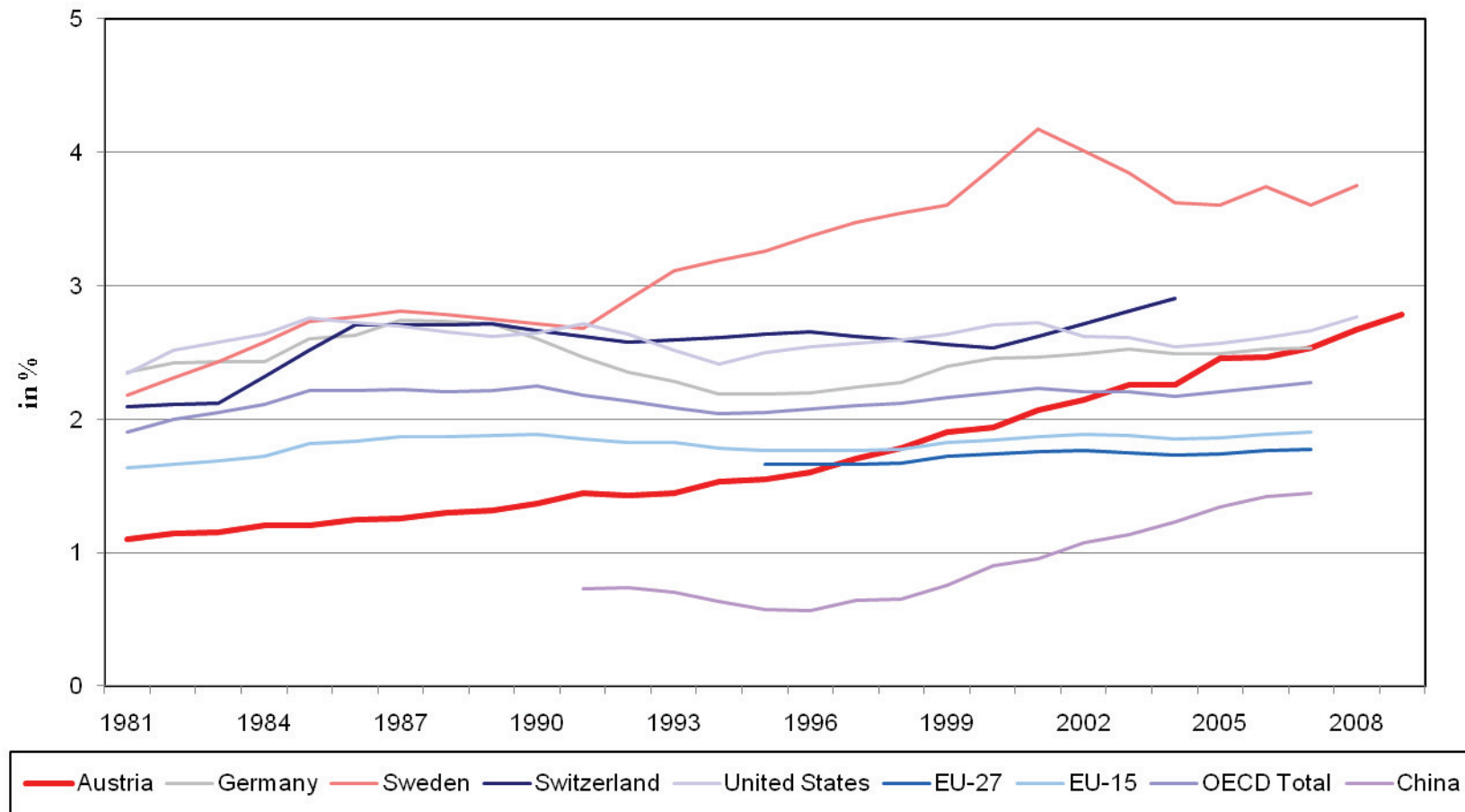
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RTD System Status 2011

- In recent years Austria has completed a rapid catching-up process in terms of its RTD performance.
- Despite the financial crisis decidedly slowing development down, Austria is still one of the countries in the European Union that is developing very dynamically.
- R&D intensity has increased in all sectors of science and industry
- Long-term weaknesses challenging the further developments of the Austrian innovation system:
 - Human resources
 - Basic research
 - Venture capital
 - Competitiveness
 - Governance

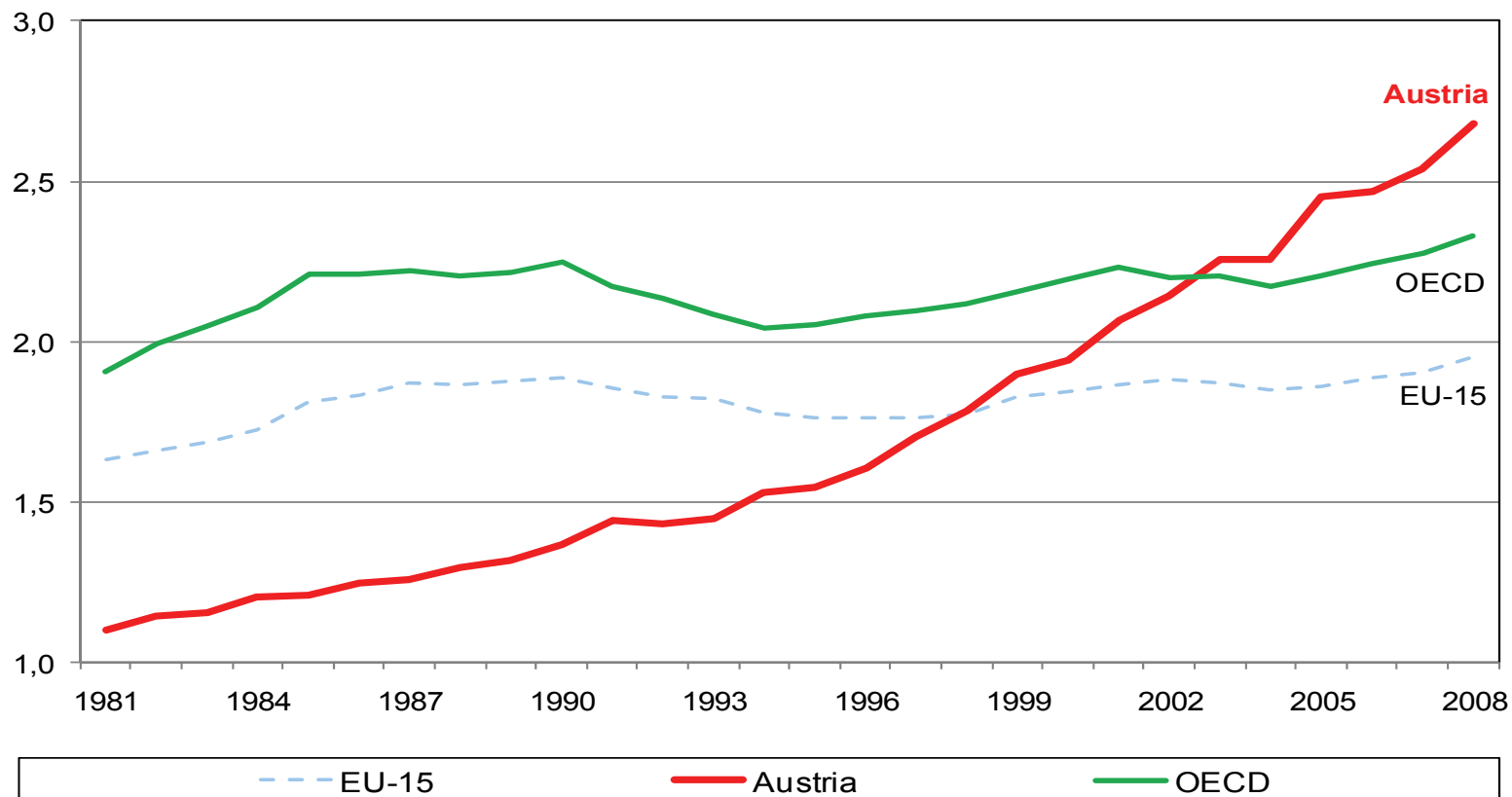
Dynamics of Innovation Development in an International Comparison

(R&D Quota / GERD as % of GDP)



Source: OECD MSTI | Dec. 2009

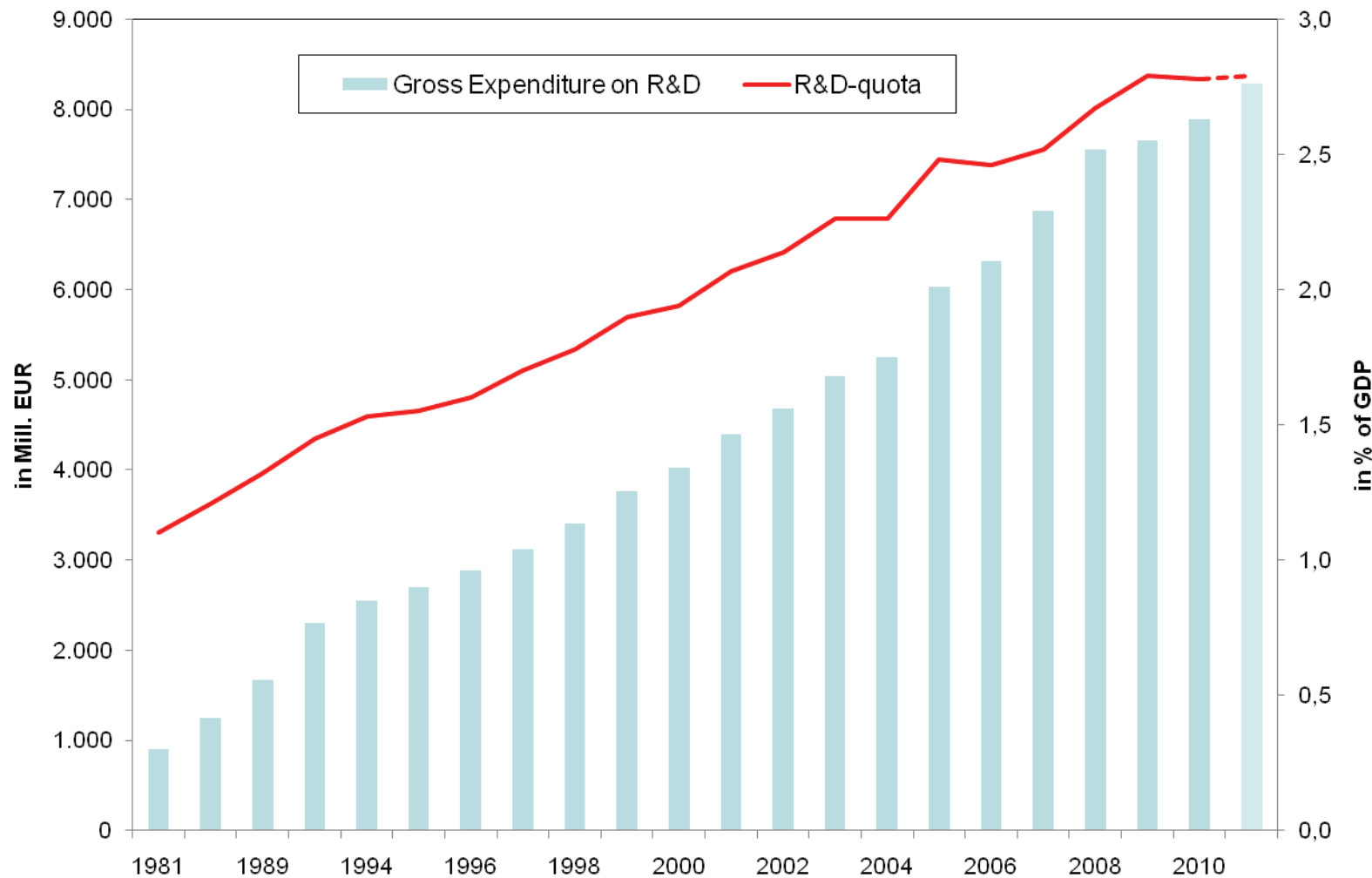
Dynamics of Innovation Development in Comparison to OECD and EU-15



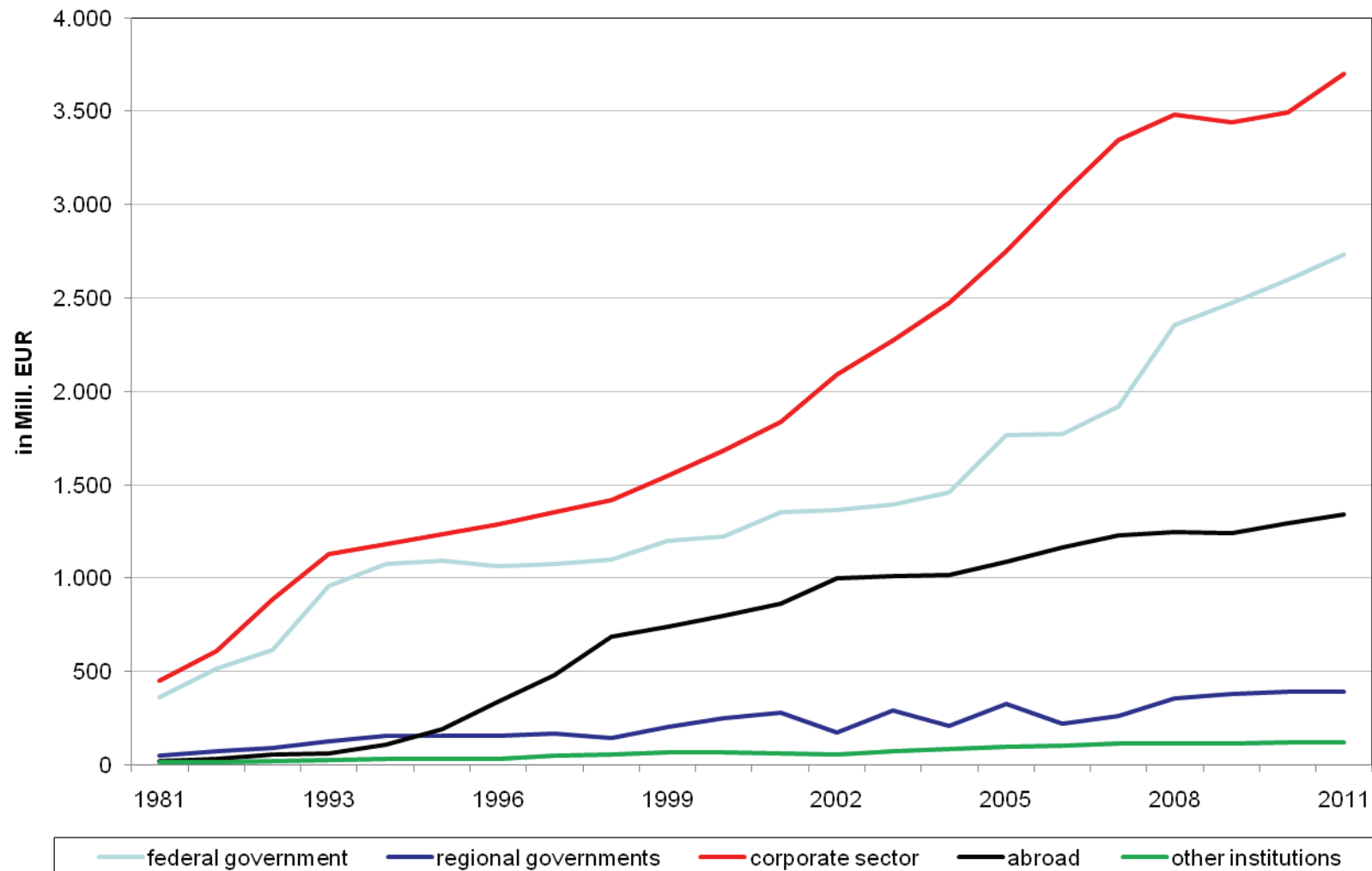
Main results of the 'Global Estimate' 2011

- Estimated R&D-quota for 2011: 2.79% (2010: 2.78%), thus, there will only be a small increase in 2011.
- Gross Expenditure for R&D (GERD) is at € 8,286.3 Mill.
- The estimation demonstrates an 5% increase of GERD from 2010 to 2011.
- The current situation displays the strong anti-cyclic investment policy of the Austrian federal government in the field of R&D.
- Austria exceeds the research intensity of the EU-27 significantly and lies well above the EU average of 2.01% for 2009b. With Finland, Sweden, Denmark and Germany, Austria belongs to the group of countries which show research intensities higher than 2.5%.

Development of Gross Expenditure on R&D – 1981 to 2011 according to ‘Global Estimate’ by Statistik Austria



Development of sectorspecific R&D-Expenditures – 1981 to 2011 according to ‘Global Estimate’

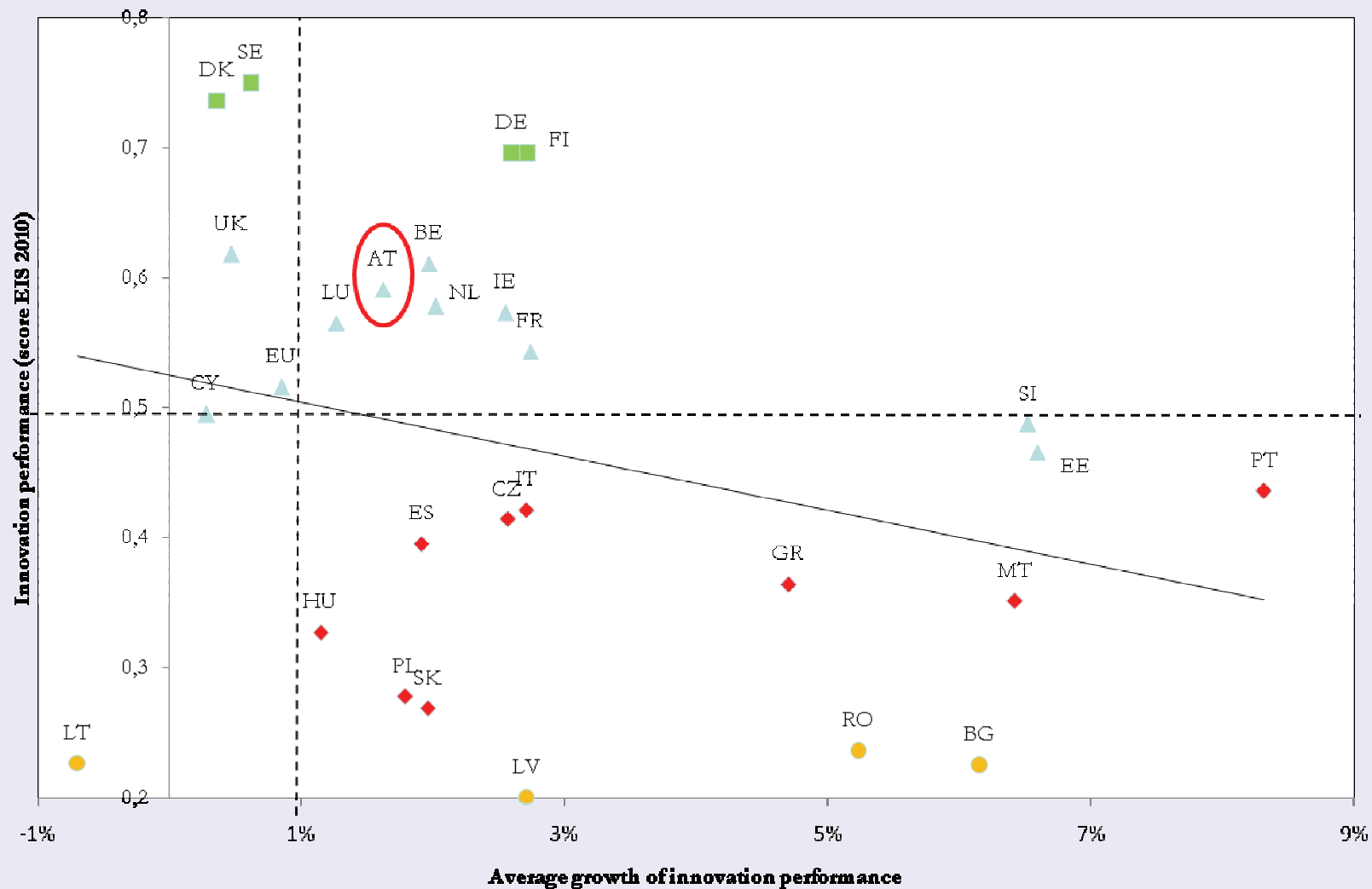


R&D expenditure gap to 3,76% goal in 2020 (based on current budgetary plans)



Source: WIFO

Austria 2010: Innovation Follower



Source: European Innovation Union Scoreboard 2010

„Strategy for Research, Technology and Innovation“, presented by the Austrian Government

presented on March,
the 8th, 2011



National Innovation Strategy

- Council of Ministers decided to develop a national Strategy for Research, Technology and Innovation (1.9.2009)
- Corner stones: “Austrian Council’s Strategy 2020”, “System evaluation” and “Research dialogue”
- Process coordinated by Federal Chancellery and Ministry of Finance; 6 Ministries involved (Federal Chancellery, Ministry of Finance, Ministry of Education, Ministry of Transport, Technology and Innovation, Ministry of Science, Ministry of Economy)
- 5 Working Groups:
 - 1) key areas
 - 2) structures
 - 3) education
 - 4) economy
 - 5) Governance & finances
- Final report presented in March 2011

Political importance of the strategy

- Important milestone for the future development of the Austrian RTD location
- The Strategy is a sign of the high priority that is attached to education, research, technology and innovation by the Austrian government
- The findings of the strategy draw an honest picture of the current position of Austria in RTD

Strategy sections

- „Facing the challenges, finding answers – Preparing the path to an Innovation Leader“ (→ Vision)
- „Developing talents to arouse passion – Redesigning the education system sustainably“ (→ human resources)
- „Creating knowlegde, pushing exzellenz – Strengthening the basis of our knowledge society“ (→ basic research)
- „Using knowledge to increase value – Enabling the potential of innovation“ (→ operational research)
- „Steering type, setting the framework – Organizing the political control efficiently“ (→ governance)
- „Providing incentives to open up options – Widening the financial sponsorship“ (→ financing)

Work programm of the Austrian Council for 2011+

Elaborated in accordance with the strategy of the Government
the Austrian Council proclaimed
following working areas:

- Structural reform
- Monitoring
- Human resources
- Funding
- Infrastructure
- Cooperation national/
international
- Awareness
- Impulses



Strategy and Work Program

„Developing talents to arouse passion – Redesigning the education system sustainably“

- Plan for the education in the tertiary system („Hochschulplan“): USPs, competitive financing models, university admission
- Tenure Track System
- Focus on children from uneducated family backgrounds



Strategy and Work Program

„Creating knowlegde, pushing exzellenz – Strengthening the basis of our knowledge society“

- Competitive financing models
- Measures to increase the number of research-intensive spin-offs
- Infrastructure for research
- Humanities and Social Sciences



Strategy and Work Program

„Using knowledge to increase value – Enabling the potential of innovation“

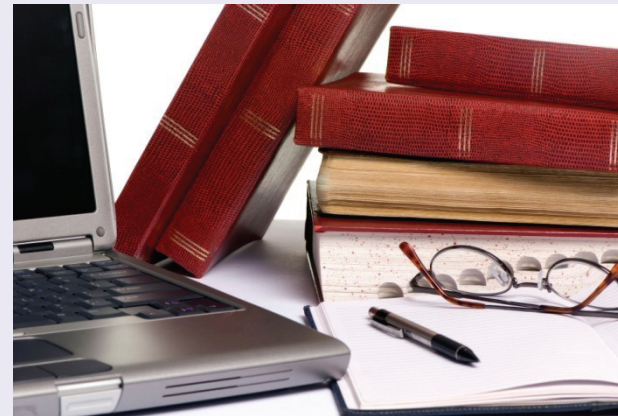
- Analysis of barriers to effective implementation of research findings
- COMET
- Measures to increase the number of research-intensive spin-offs
- Intellectual property



Strategy and Work Program

„Steering type, setting the framework – Organizing the political control efficiently“

- Competitive financing models
- Direct advancement
- Foresight
- Monitoring and evaluations
- Internationale cooperation
- Awareness (publication „RTI-location Austria“)



Strategy and Work Program

„Providing incentives to open up options – Widening the financial sponsorship“

- increasing public R&D expenditures
- increasing private R&D financing
- National Foundation for Research and Technology Development



Strategy and Work Program

„Monitoring the implementation of the strategy“

- Cooperation between Task Force and Austrian Council in terms of developing a comprehensive roadmap to consistently implement the strategy
- Ex-post-monitoring of the translation of strategic goals and measures into measurable responsibilities and results
- Evaluation of the scientific and technological performance of Austria's innovation system



Thank You!

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