

The Greek Innovation System



Dr. Agnes Spilioti

Director

**Directorate for the Support
of Research Programmes**

General Secretariat for Research & Technology (GSRT)

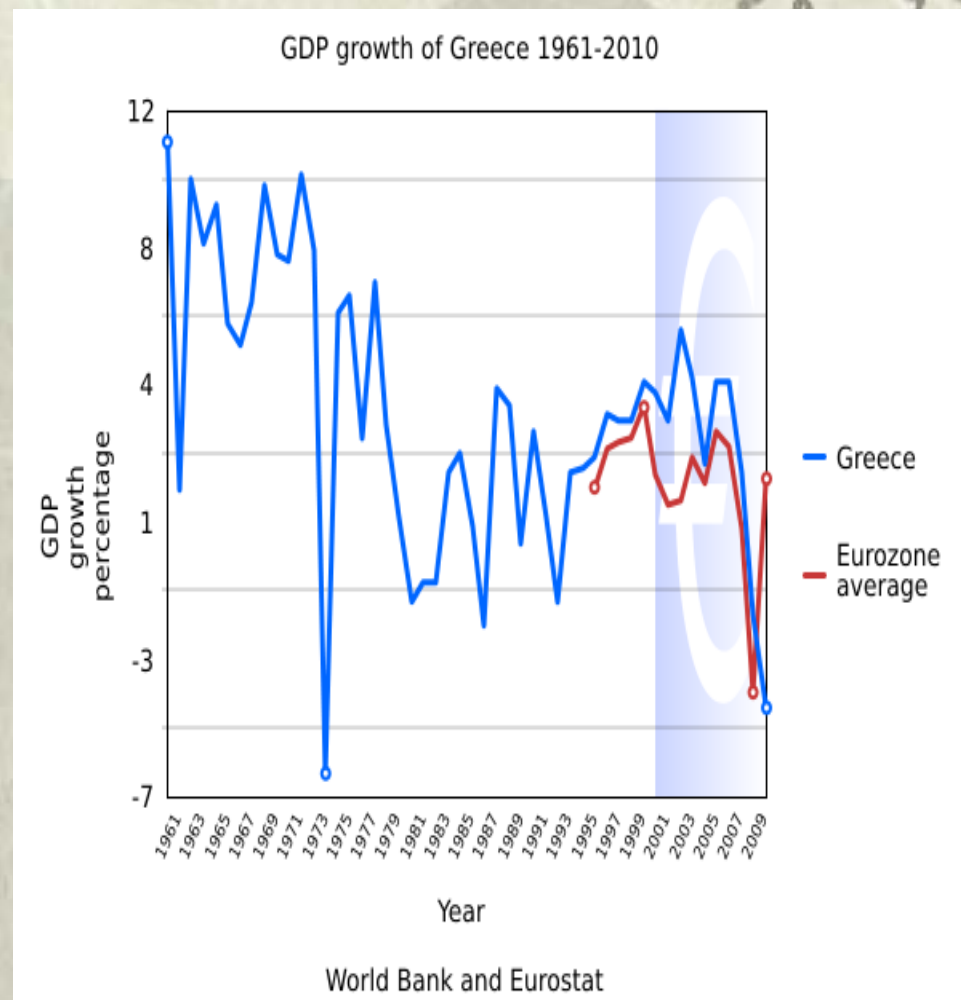
**Ministry of Education, Life Long Learning and Religious
Affaires**



GREECE

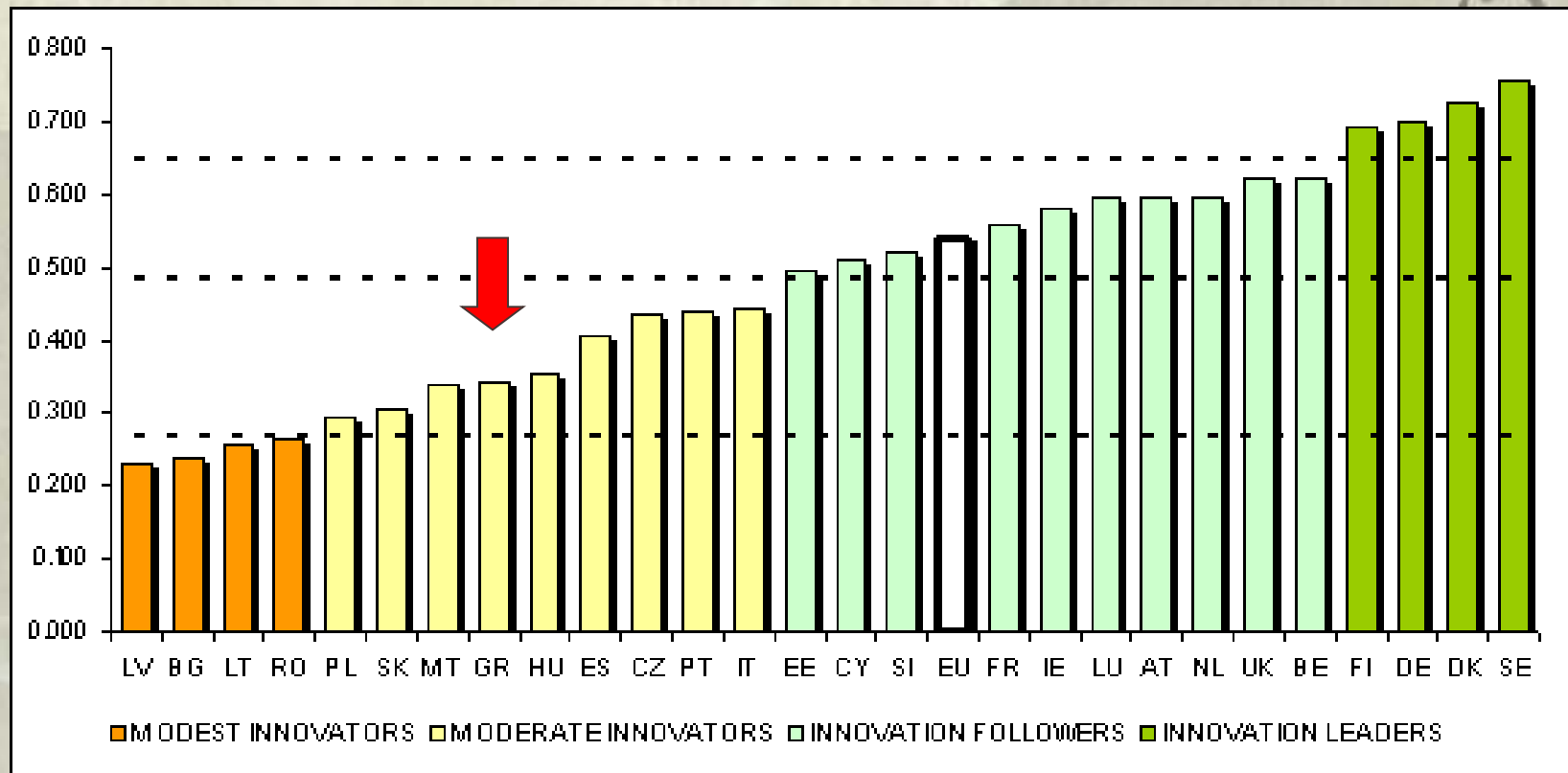


- ❖ Area: 131.990 km²
- ❖ Coastline: 13.676 km
(longest in Europe)
- ❖ Population: 10.787.690
(2011 census, estimate)
- ❖ Nominal GDP
(2011 estimate):
 - Total \$305.415 billion
 - Per capita \$27.875



Innovation performance of Greece (SII Summary Innovation Index)

Innovation Union Scoreboard 2011



Strengths and weaknesses of the Greek Innovation System

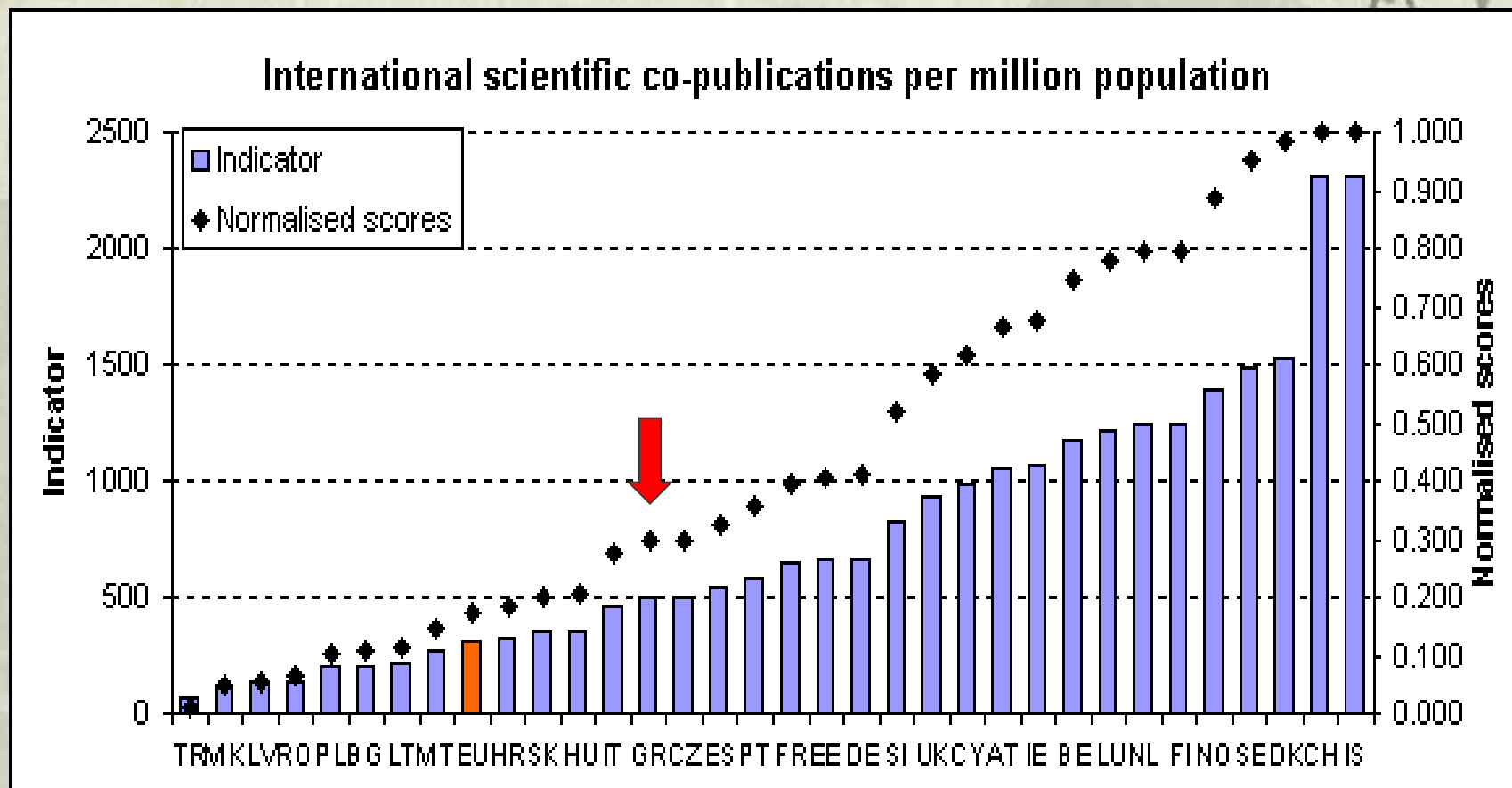
❖ ***Strengths***

- ❖ Human potential
- ❖ Publications
- ❖ Successful in attracting competitive EU funds (FPs)
- ❖ Some high quality infrastructure & equipment
- ❖ Non technological Innovation

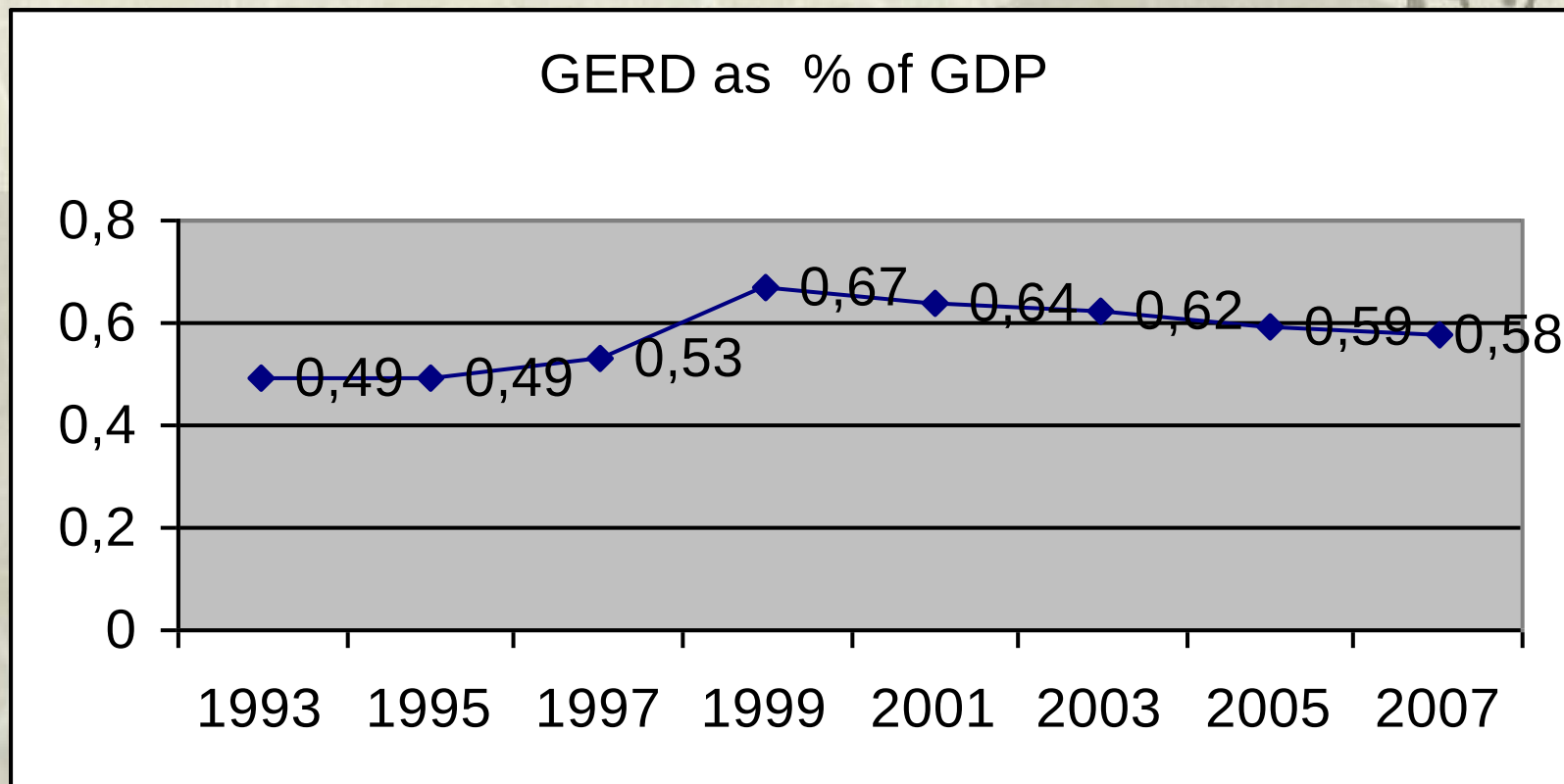
❖ ***Weaknesses***

- ❖ Investment in R&D, especially in the business sector
- ❖ Venture capital
- ❖ Patents
- ❖ Exports of high added value products / services
- ❖ Employment in knowledge – intensive sectors

Scientific Publications

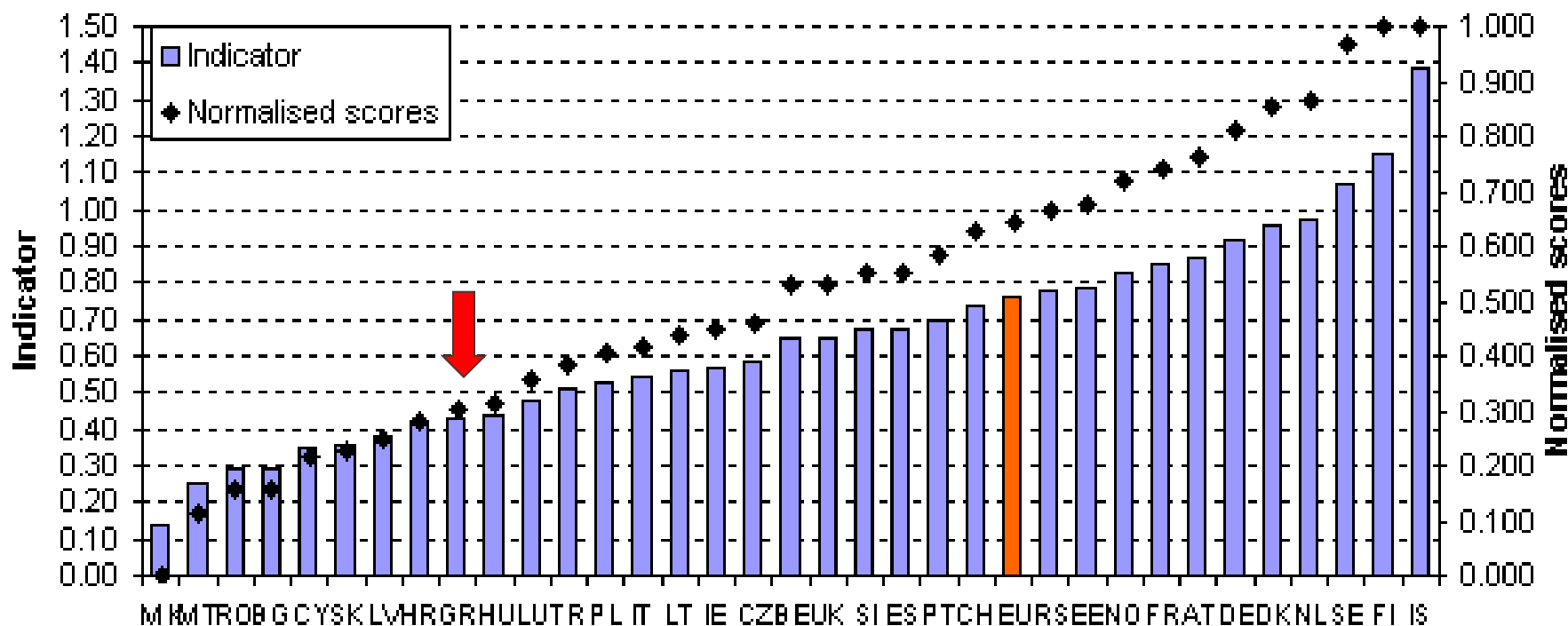


GERD /GDP (%) evolution in Greece

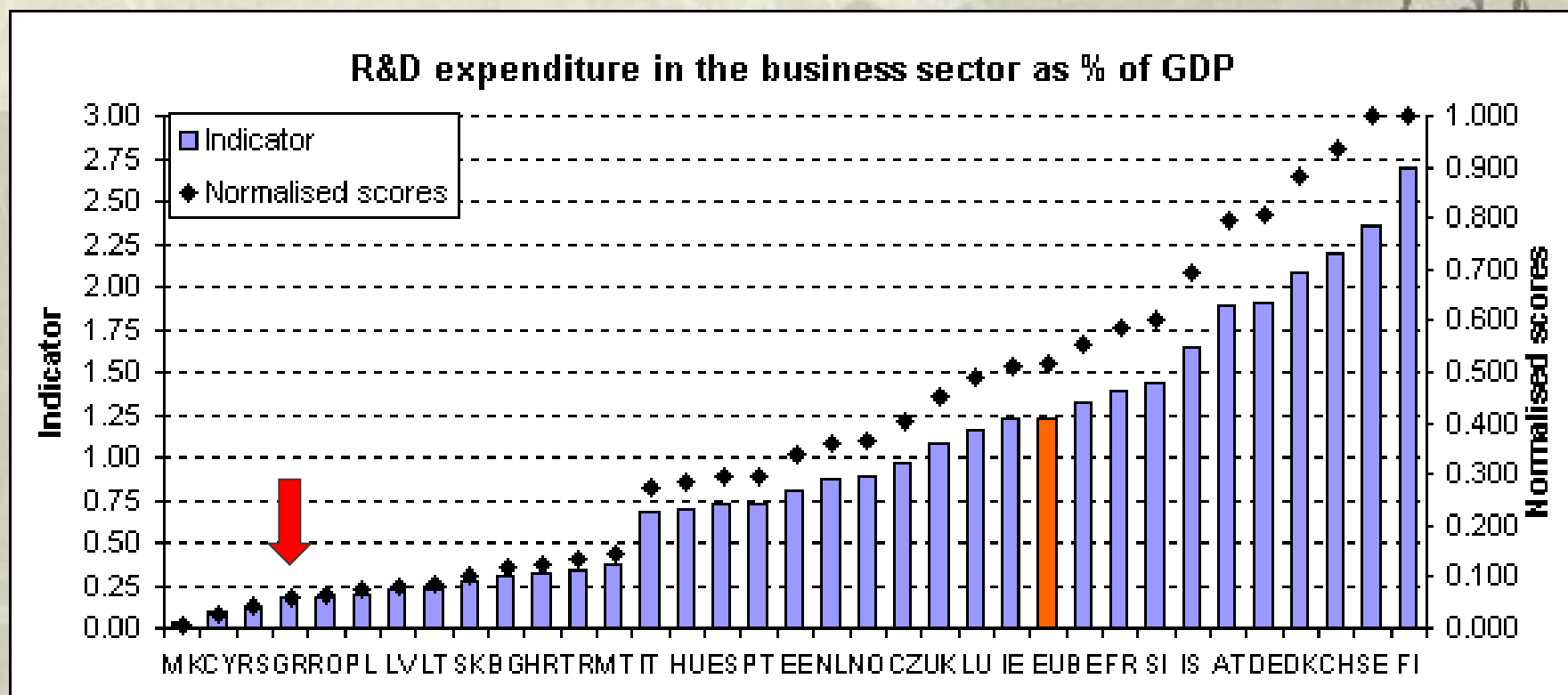


R&D expenditure in the public sector as % of GDP

R&D expenditure in the public sector as % of GDP

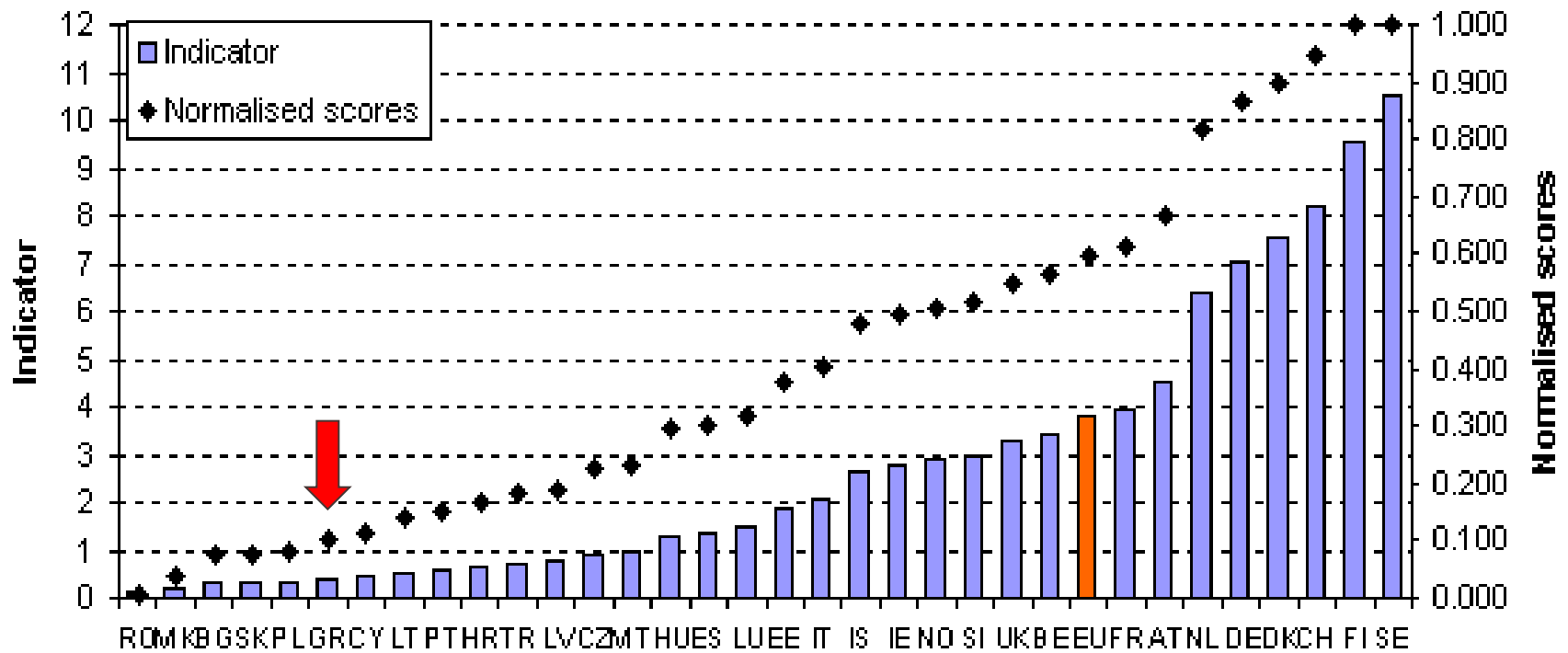


R&D Expenditure in the business sector as % of the GDP



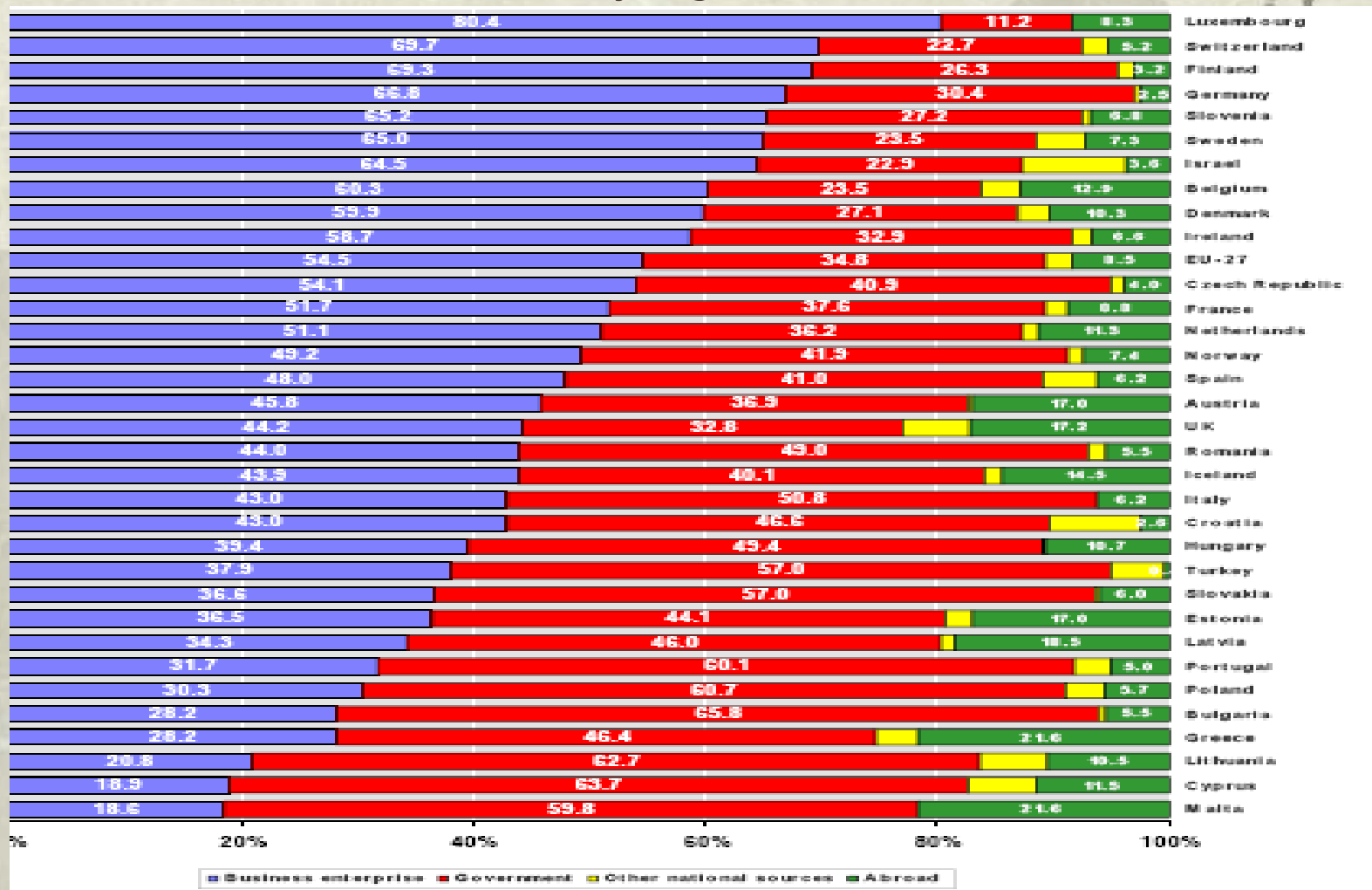
Patent applications

PCT patent applications per billion GDP



Funding from abroad (EU) is important in Greece

Source: Key Figures 2007



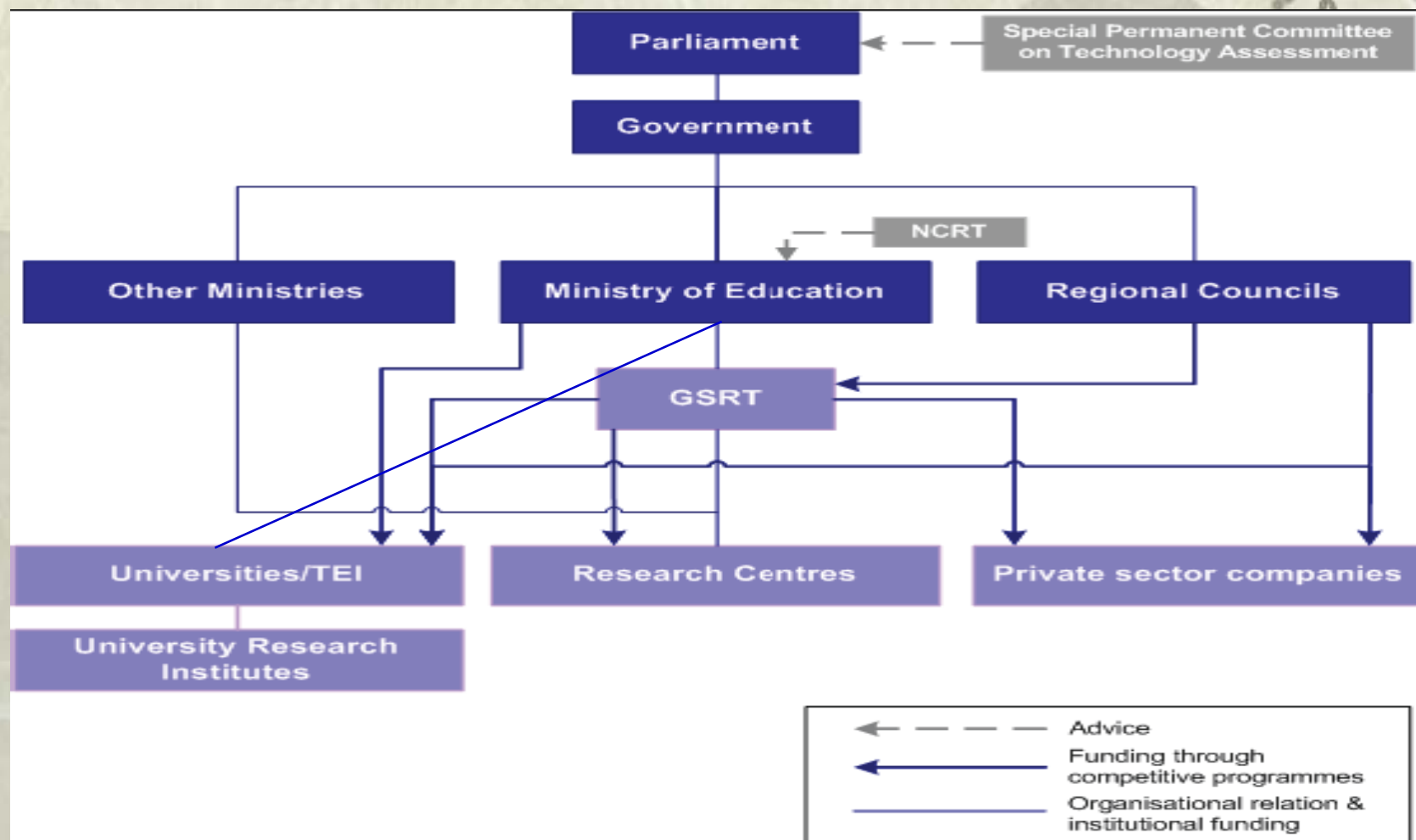
Total GERD by Sector of Performance (%)

➤ Public Research Organizations	20,28
➤ Businesses	30,96
➤ Higher Education Institutions	47,50
➤ Private Non Profit Institutions	1,26

Human potential in research

Year	Researchers (HC)	Researchers (FTE)
1997	20.643	10.964,3
1999	29.559	14.747,6
2001	26.340	14.371,3
2003	28.058	15.631,31
2005	33.033	19.360,3

The Greek R&D system



Legal framework for R&D and Innovation

1. Law 1514/85 "Development of scientific and technological research" (under revision)
2. Law 2919/2001 "Linking research and technology to production and other provisions"
3. Law 3777/2009 Article 18 Amendment of provisions of PD 274/2000 ("Terms, conditions and procedure for funding projects, programs and activities submitted by companies, research and other institutions for research, technological development and innovation.")
4. Law 2992/02 – Law 3296/2004 (50% deduction of RTD business expenditures from profits)
5. Law 3842/ 2010, Article 71 “Fiscal incentives for patents” providing for a 3-year tax exemption of profits deriving from the sales of products developed from exploitation of internationally protected patents
6. Law 3906/2011 “Investment Law” providing incentives to business for technological modernization/ technological & organizational innovation

RDI Direct Incentives

- Institutional Funding of Universities (MoE), Research Centers (GSRT, other Ministries)
- Structural Funds (2007-13)
 - A. Sectoral Operational Programmes :*
 - ✓ Competitiveness & Entrepreneurship
 - ✓ Education and Lifelong Learning
 - ✓ Human Potential
 - ✓ Information Society
 - B. Regional Programmes for Infrastructures and Regional Innovation*

GSRT is the competent authority at the political and administrative level for all RDI activities included in the above programmes
- Contribution to International Research Organizations (CERN, ESA, EMBO, EMBL) GSRT
- Matching Funds for participation to FP projects
GSRT

Main National R&D and Innovation Boosting Competitive Programmes

- ❖ Research Excellence
- ❖ Business - Academia Cooperation Programme
- ❖ Programme for Industrial Research in SMEs
- ❖ Creation of spin offs / spin out innovative companies
- ❖ Innovation Clusters (best practice: Corallia mi – cluster)
- ❖ Innovation Fund (VC seed capital, start up)
- ❖ Human Potential in Research (PhDs, post doctoral, employment of highly skilled personnel in companies)
- ❖ European , bi-lateral and Multi-lateral Cooperation Programmes,
- ❖ Participation to ESFRI Infrastructures

More information

<http://www.gsrt.gr>

<http://en.antagonistikotita.gr/epan>

[http// www.ggea.gr](http://www.ggea.gr)

European Innovation Scoreboard

ERAWATCH

*THANK YOU FOR YOUR
ATTENTION!*