



MIRRIIS Final Conference

Román Arjona, Chief Economist
Head of Unit A4 'Analysis and monitoring of
national research policies'
DG RTD, European Commission

Brussels, 26 May 2016

Research and
Innovation



A changing divide (investments)

► Figure I-2-6 Public R&D intensity, 2014 and compound annual growth, 2007-2014



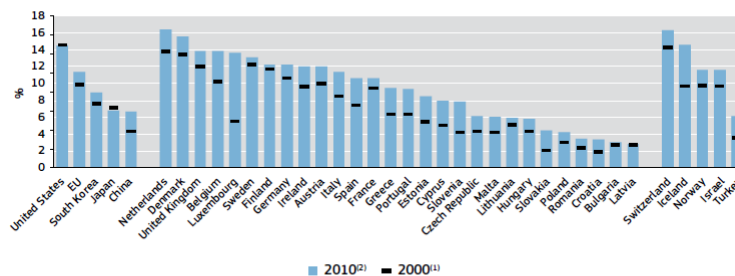
Source: DG Research and Innovation - Unit for the Analysis and Monitoring of National Research Policies
Data: Eurostat
Notes: ¹⁾PT: 2008-2013. ²⁾EL: Greece is not included on the graph because valid data are available only for 2011-2014.

Research and
Innovation



A changing divide (outputs)

► **Figure I-3-3** Highly cited scientific publications, 2000 and 2010
Scientific publications within the 10% most cited scientific publications worldwide as % of total scientific publications of the country



Source: DG Research and Innovation - Unit for the Analysis and Monitoring of National Research Policies
Data: Science-Metrix (Canada), based on Scopus database
Notes: ⁽¹⁾Fractional counting method; scientific publications 2000, with citation window 2000-2003. ⁽²⁾Fractional counting method; scientific publications 2010, with citation window 2010-2013.



Some virtues of MIRRIS

- Act as "glue" to connect the system at local level
 - Stakeholders' dialogues
 - Coaching
 - Networks
 - Contribute to develop the evidence-base
- 1st identification of barriers to ERA partaking
 - Spot "hot" topics (e.g. brain drain, institutional aspects)
 - Do SWOT+GAP analyses
 - Raise awareness on synergies FP-ESIF
 - Put good practice in the good context for a purpose





Bulgaria

PSF Peer Review 2015

- Increase investments in R&D
- Set up independent agency
- Improve evaluation
- Performance-based funding
- Researchers' careers
- Right 'policy mix' for innovation



2016 Semester

- Efficiency and fragmentation
- High quality research
- Human resources
- Performance & public funding
- Business R&D investments
- Independent & coordinated mgt



Evidence base

PSF, R&I reports and studies (R&D tax incentives, high growth firms, bibliometrics), Scoreboards, EC-OECD, in-house briefs + *MIRRIS*



H2020 Policy Support Facility

- Support MS to "*improve the design, implementation and evaluation of R & I policies*"
- Exploit evidence-based via high-level expertise
- Drawing on the combination of:
 - **learning between peers** (policy-makers)
 - high-level **experts' advice and assistance**
- Top level political commitment
- Complementarities with SRSS





Services of the PSF

1. Peer Reviews of national R&I systems
2. Specific support to countries
3. Mutual learning exercises
4. <https://rio.jrc.ec.europa.eu/>



2016 Semester – R&I dimension

- Focus on 3 areas
 1. Prioritise public investment and ensure quality
 2. Leverage over business investments
 3. Supportive business environment
- In a 2-stage process
 - 1) identify for each MS key R&I policy challenge(s)
 - 2) assess if adequate policy responses are in place





Some CSRs for "MIRRIS countries"

CZ. "Strengthen governance in the R&D system and facilitate the links between academia and enterprises."

LV. "Pursue the consolidation of research institutions and provide incentives for private investment in innovation. "

EE. "Promote private investment in research, development and innovation, including by strengthening cooperation between academia and businesses."

LT. "Take measures to strengthen productivity and improve the adoption and absorption of new technology across the economy. Improve the coordination of innovation policies and encourage private investment, inter alia by developing alternative means of financing."

Research and
Innovation



Roman.Arjona-Gracia@ec.europa.eu

Research and
Innovation