

DIGITAL AGENDA FOR EUROPE 2010-2020

Current priorities for Portugal

Visit of the Director of Emerging Technologies and Infrastructures of DG INFSO of the European Commission to UMIC, 27 Apr 2011

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Digital Agenda for Europe 2010-2020

Current priorities for Portugal

- **Research and Innovation.** “A Commitment to Science for 2020”.
- **Fast and ultra fast internet access.** “Digital Agenda 2015”. New Generation Networks and services, including business support platforms. To reach national coverage by fixed NGN by 2012 and by mobile NGN by 2015
- **Enhancing digital literacy, skills and inclusion.** “Digital Agenda 2015”. Excellence in Education. NGN and infrastructure use by educational communities and provision of innovative education services and content
- **ICT-enabled benefits for EU society.**
 - **Better Governance.** “Digital Agenda 2015”. To simplify eGov services, to increase transparency of public administration, to increase by 50% the use of eGov services and to double exports of eGov solutions
 - **Proximity Healthcare.** “Digital Agenda 2015”. Personal electronic health records for all by 2015, paperless hospitals by 2013, and electronic health services, in particular for the elderly and chronically ill citizens
 - **Smart Mobility.** “Digital Agenda 2015”. Smart mobility in public transports, smart mobility support infrastructures, MOBI.E platform for EVs.

National e-Science Strategy

- **National Research and Education Network** as a public NGN, presently with dark fiber of the NREN to 85% of Higher Education System, at 10 Gbps and scalable
- **b-on: Knowledge Library Online** planned in 1999, with 17,100 scientific journals, 18,200 e-books, 12,400 proceedings and transactions titles, 10 referential data bases, free access in all public Higher Education and Scientific Institutions, “*big deal*” at national scale
- **e-U: Virtual Campus** wireless access and roaming integration of all Higher Education *campi*
- **RCAAP: Scientific Open Access Repository of Portugal**, presently with 33 institutions, incl. all 14 public universities, and >59,000 documents, integration w/ Brazil OASIS.BR
- **INGRID: National GRID Initiative** (2,100 CPUs, 1 PetaByte of disc memory, 2 PetaBytes of magnetic tape robot memory), integrated w/ Spanish GRID (IBERGRID), and part of EGI – European Grid Initiative
- **IBERCIVIS: Voluntary Computing at the service of science** jointly w/ Spain
- **Tools for collaborative work at a distance**
HD Videoconferencing and immersive rooms • VoIP for all Higher Education and Scientific System, allowing simple collaborative video- and tele- conferencing • National platform for scientific and educational digital content being developed for **Medicine** and **Future Internet**, to be further extended.

National Thematic R&D Networks

Bringing together research, industry and university

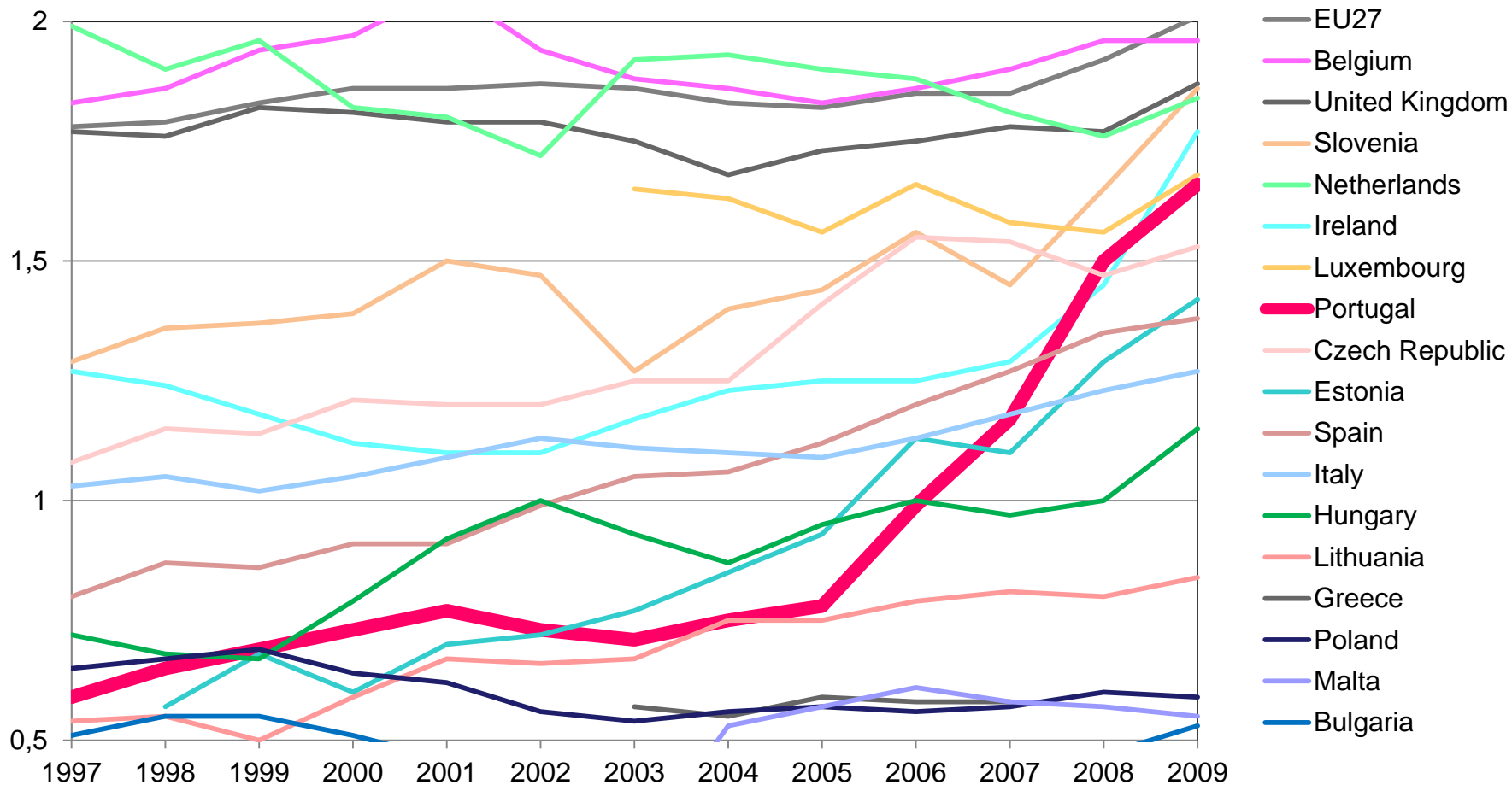
- Electrical Mobility
- Smart Energy
- Sustainable Cities
- Future Internet Technologies
- Security and Critical Infrastructures Protection
- Services and Technologies for Interactive Media



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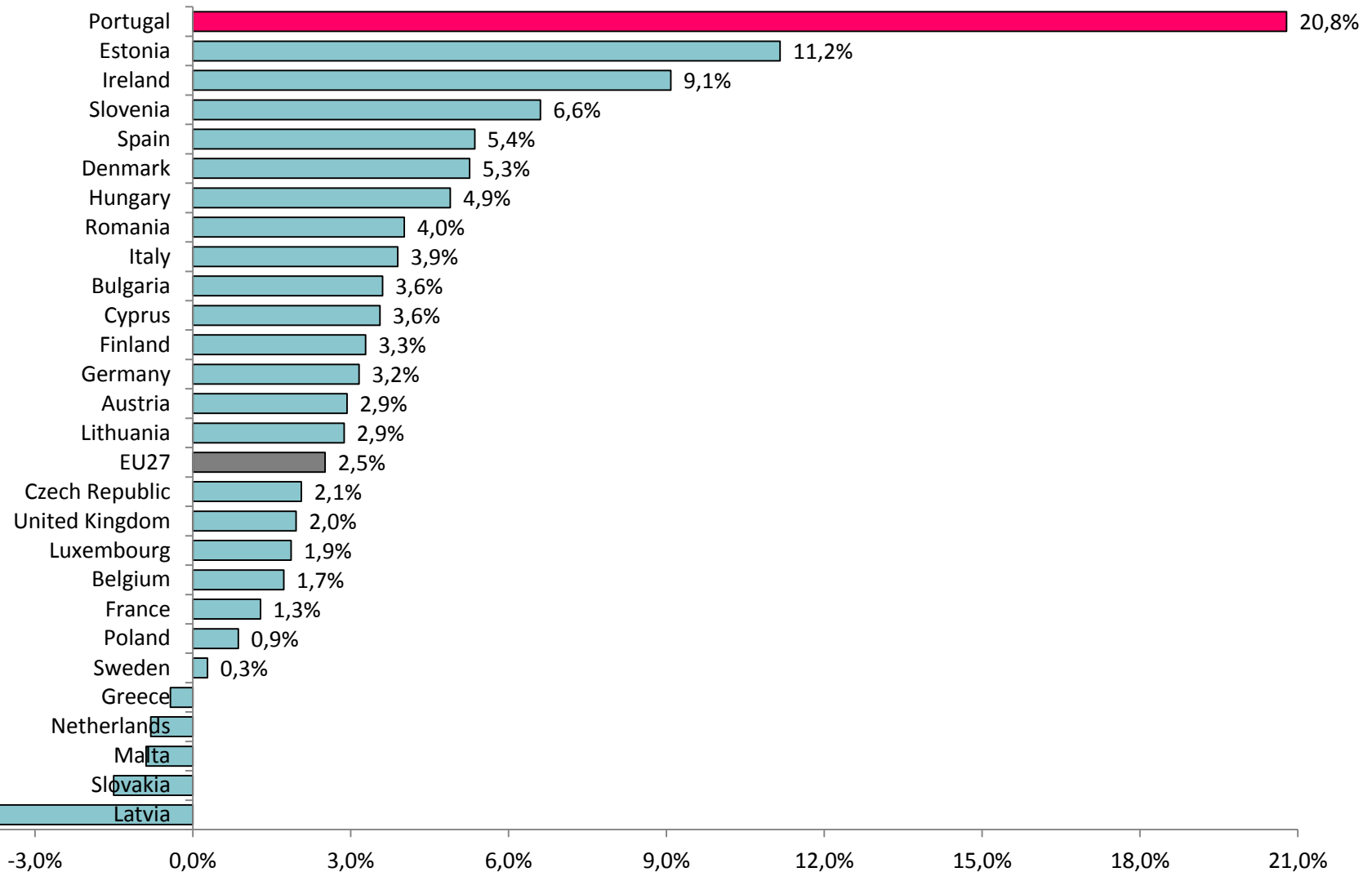
Evolution of R&D Intensity, in Portugal

Highest average growth (21%) of UE27 (total=2.5%) in 2005-2009



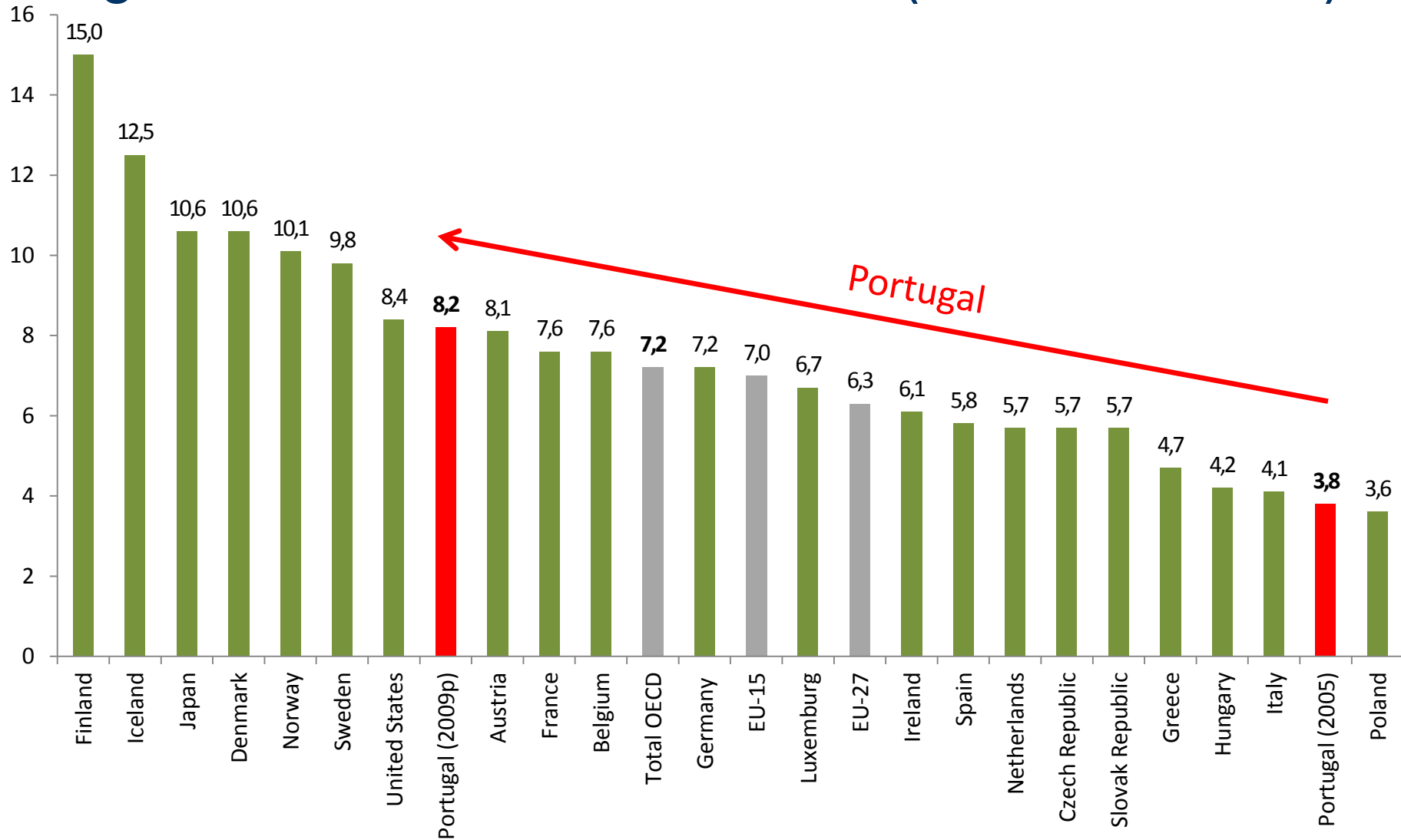
Source: EUROSTAT

Average Annual Growth of R&D Intensity 2005-2009



Source: EUROSTAT

High Growth in Researchers (% labor force)



Note: Data for 2008, except for Portugal whose data are for 2005, 2007, 2008, 2009

Source: OECD.