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Innovation Union Competitiveness report 2011

Overall review of EU Member States and Associated countries

As a final section of the report, a series of individual country notes are presented for all 27 Member States and 6 Associated Countries to the European cooperation.¹ Each note analyses the strengths and weaknesses of the national research and innovation system, its dynamics in the last decade, and their contribution to enhancing economic competitiveness and addressing societal challenges.

All country notes follow the same structure. The first (line) graph depicts the R&D intensity evolution in the last decade in both the analysed country and the EU, and projects this evolution up to 2020. In addition, the graph compares this past evolution to the progress that will be required to meet the 2020 target. The second (bars) graph presents the current performance of the research system and the third (radar) graph depicts its dynamic evolution. This analysis is based on a series of key indicators, and compares the individual country to the EU, the United States and the average of a group of countries that share similar research and innovation characteristics². In order to analyse the participation of the country in the European Research Area, the note introduces two maps that present the degree of scientific co-publications and co-invented patents of the country with other European countries. In those cases where data are available, the note continues with a brief study of the structural change towards a more research-intensive economy in the last 12 years. Finally, an overview of the country's participation in FP7 is given with key facts and figures. In a few EU Member States, some information is given on the use of EU Structural Funds for research and innovation. A comprehensive overview of European Union Cohesion policy and regional aid is given by DG Regional policy.³

In order to enrich the analysis, in addition to the quantitative data gathered in these graphs, each country analysis benefits from further information and qualitative analysis covered in different sections of the IUC Report, as well as from other crucial information sources, such as ERAWATCH country profiles, the Innovation Trendchart or the OECD Science, Technology and Industry Outlook.

Each country fiche can also be downloaded from the website of the Innovation Union Competitiveness report at: ec.europa.eu/iuc2011

¹ An increasing number of international reports analysing research, innovation and competitiveness include country specific quantitative and qualitative assessment in the form of country profiles: e.g. Innovation Union Scoreboard 2010, OECD Outlook report 2010, European Commission report by DG Enterprise *Member States competitiveness performance and policies*, JRC-IPTS ERAWATCH country profiles, European Commission DG Information Society *Europe's Digital Competitiveness Report 2010*, European Commission DG Employment, *Employment in Europe 2010*.

² For more ample information on the construction of the reference groups, please see the chapter 'Diversity of European countries' of the IUC Report (Part New Perspectives, Chapter 1).

³ See amongst other publications, *Investing in Europe's future. Fifth report on economic, social and territorial cohesion*, DG Regional policy, European Commission, 2010.

Overall review of EU Member States and Associated countries

Austria	3
Belgium	11
Bulgaria	19
Croatia	27
Cyprus	34
Czech Republic	41
Denmark	49
Estonia	63
Finland	70
France	78
Germany	86
Greece	94
Hungary	102
Iceland	110
Ireland	117
Israel	125
Italy	132
Latvia	140
Lithuania	147
Luxembourg	154
Malta	160
Netherlands	168
Norway	176
Poland	183
Portugal	192
Romania	200
Slovakia	207
Slovenia	214
Spain	221
Sweden	229
Switzerland	237
Turkey	244
United Kingdom	251