

List of indicators of entrepreneurial determinants

4. CREATION AND DIFFUSION OF KNOWLEDGE

CATEGORY OF DETERMINANTS	DEFINITION	DATA SOURCES
R&D Activity		
Business Expenditure on R&D – BERD		OECD Science and Technology Statistics
Government Expenditure on R&D – GERD		OECD Science and Technology Statistics
Higher Education Expenditure on R&D – HERD		OECD Science and Technology Statistics
International Co-operation Between Patent Applications at PCT	The indicator measures international co-operation between patent applications under the Patent Cooperation Treaty (PCT). The measure is calculated as a percentage of total patents (by application date).	OECD Science and Technology Statistics
Patents Awarded Based on Inventors Residence	Number of patents awarded to inventors based on their residence. The indicator is a sum of patents awarded by the European Patent Office (EPO) and US Patent and Trademark Office (USPTO).	OECD Science and Technology Statistics
Private Funding of R&D Activity	Total private founded R&D investments, independent of where the founding is spent. The indicator is measured as a percentage of GDP.	OECD Science and Technology Statistics
Public Funding of R&D Activity	Total public funding of R&D - as a percentage of GDP.	OECD Science and Technology Statistics
Transfer of Non-commercial Knowledge		
Research in Higher Education Sector Financed by Business	R&D expenditure performed at higher education and funded by business, measured as a percentage of total research expenditure	OECD Science and Technology Statistics
Share of Patents Owned by Universities	The percentage of patents owned by universities. Only countries/economies with more than 300 patents are included	OECD Patent database
Universities or other Public Research Organizations as Source of Innovation	The share of innovative enterprises that states universities or other PROs as an important source of innovation.	Eurostat, European Community Innovation Survey (CIS)
University/Industry Research Collaboration	Survey responses to: the level of collaboration between business and universities in R&D. (1 for minimal or nonexistent to 7 for intensive and ongoing).	World Economic Forum, Global Competitiveness Report
Co-operation Among Firms		
SMEs Stating Co-operation as the Source of Innovation	The share of innovative small and medium sized enterprises (SMEs) stating any type of co-operation as the source of innovation	Eurostat, European Community Innovation Survey (CIS)

Technology availability and take-up		
Turnover from e-Commerce	Total internet sales over the last calendar year, excluding VAT, as a percentage of total turnover.	Eurostat, Information Society Statistics
Enterprises Using e-Government	The share of enterprises using any eGovernment services. The measure is based on all firms with 10 employees or more, excluding the financial sector	Eurostat, Information Society Statistics
ICT expenditure	Expenditure for ICT equipment, software and services as a percentage of GDP	European Information Technology Observatory (EITO)
ICT expenditure in Communications	Expenditure for telecommunications equipment and carrier services as a percentage of GDP.	European Information Technology Observatory (EITO)