

JRC Dataset

2017 PREDICT Dataset

Description:

PREDICT includes statistics on ICT industries and their R&D; in Europe since 2006. The project covers major world competitors including 40 advanced and emerging countries - the EU28 plus Norway, Russia and Switzerland in Europe, Canada, the United States and Brazil in the Americas, China, India, Japan, South Korea and Taiwan in Asia, and Australia -. The dataset provides indicators in a wide variety of topics, including value added, employment, labour productivity and BERD, distinguishing fine grain economic activities in ICT industries (up to 22 individual activities, 14 of which at the class level, i.e. at 4 digits in the ISIC/NACE classification), media and content industries (15 activities, 11 of them at 4 digit level) and at a higher level of aggregation for all the other industries in the economy. It also produces data on Government financing of R&D; in ICTs, and total R&D; expenditure. Nowcasting of more relevant data in these domains is also performed until a year before the reference date, while time series go back to 1995. ICTs determine competitive power in the knowledge economy. The ICT sector alone originates almost one fourth of total Business expenditure in R&D; (BERD) for the aggregate of the 40 economies under scrutiny in the project. It also has a huge enabling role for innovation in other technological domains. This is reflected at the EU policy level, where the Digital Agenda for Europe in 2010 was identified as one of the seven pillars of the Europe 2020 Strategy for growth in the Union; and the achievement of a Digital Single Market (DSM) is one of the 10 political priorities set by the Commission since 2015.

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Keywords:

ICT, ICT R&D; and innovation, ICT industry analysis, R&D;, digital economy, information society, innovation, statistics

Related resources:

Data access

2017 PREDICT Dataset, Excel file

The compressed zip file contains two Excel files splitting the complete 2017 PREDICT Dataset into: macroeconomic variables and R&D; related variables.

https://ec.europa.eu/jrc/sites/jrcsh/files/2017_predict_core_dataset_xlsx.zip

2017 PREDICT Dataset, CSV file

The compressed zip file contains a CSV file including the complete 2017 PREDICT Dataset

https://ec.europa.eu/jrc/sites/jrcsh/files/2017_predict_core_dataset_csv.zip

Publications

The 2017 PREDICT Key Facts Report. An Analysis of ICT R&D; in the EU and Beyond

Mas M; Fernández De Guevara Radoselovics J; Robledo J; Lopez Cobo M. The 2017 PREDICT Key Facts Report. An Analysis of ICT RandD in the EU and Beyond. EUR 28594 EN. Luxembourg (Luxembourg): Publications Office of the European Union; 2017. JRC106658

DOI:[10.2760/397817](https://doi.org/10.2760/397817)

The 2017 PREDICT Dataset Methodology

Benages E; Hernández L; Mínguez C; Pérez J; Robledo J; Salamanca J; Solaz M; Lopez Cobo M; Rossetti F. The 2017 PREDICT Dataset Methodology . EUR 28595 EN. Luxembourg (Luxembourg): Publications Office of the European Union; 2017. JRC106713

DOI:[10.2760/63665](https://doi.org/10.2760/63665)

Other resources

Prospective insights on R&D; in ICT (PREDICT)

PREDICT webpage (European Commission - JRC Science Hub)

<https://ec.europa.eu/jrc/en/predict>

Additional information:

Last Modified: 2017-05-10

Issue date: 2017-05-10

Landing page: <https://ec.europa.eu/jrc/en/predict/ict-sector-analysis-2017/data-metadata>

Geographic area: Asia, Europe, America, Africa, Oceania, Antarctica

Temporal coverage: From: 1995-01-01 – To: 2016-12-31

Update frequency: None

Language: English

Data theme(s): Economy and finance; Science and technology

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