

The R&D Budget 2017-2018

Prepared by the Department of Business, Enterprise and Innovation October 2018

The R&D Budget 2017

Funded by:

State Funds (GBARD) €739.3m (Est. €751.7m in 2018)

Private Funds (Business, EU, Other) €2,657m





Gross Expenditure on R&D (GERD) €3,396m







Performed in:

BERD estimate €2,391m

Business Expenditure on R&D

HERD estimate €862m

Higher Education Expenditure on R&D

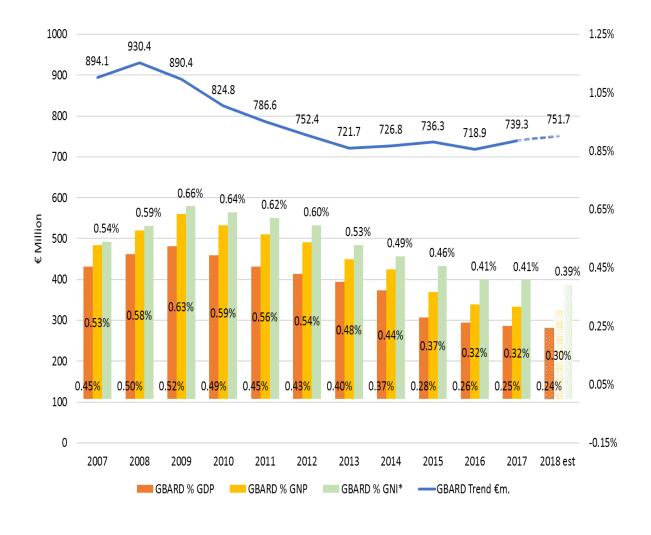
GOVERD €142m

Government Sector R&D

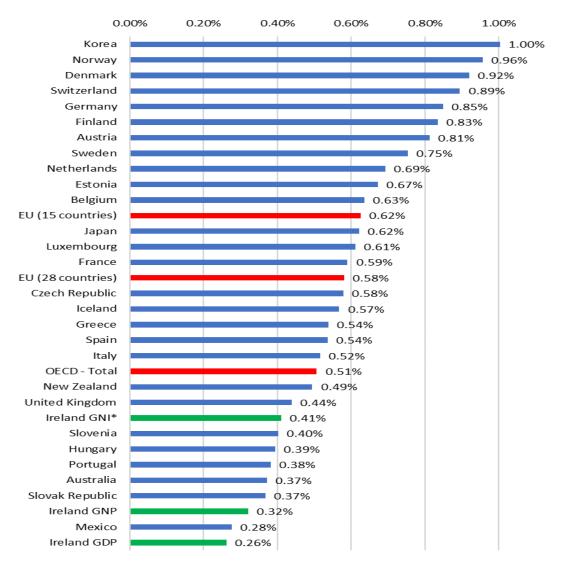
Source: CSO

Source: DBEI Source: DBEI

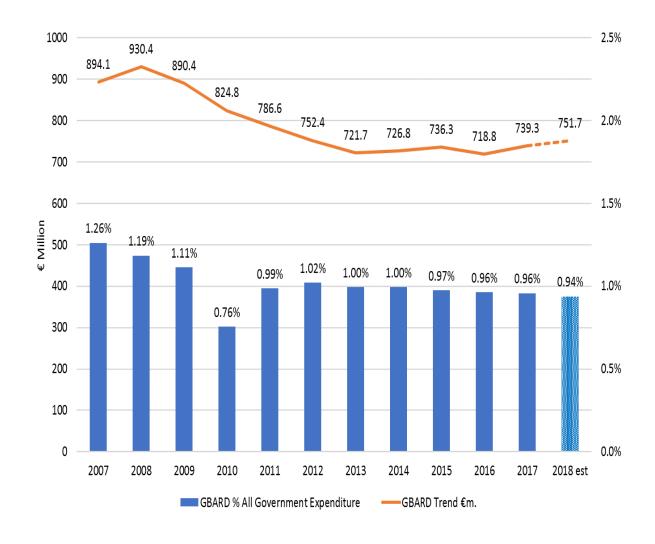
GBARD - Government R&D Budget (€m) and as % of GDP/GNP/GNI*, 2007-2018



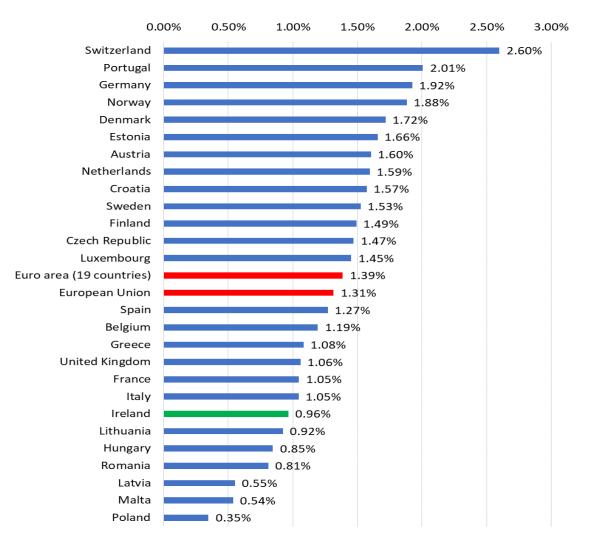
International Comparison – Civil (excludes Military) GBARD as % of GDP & GNP/GNI* for Ireland, 2016



GBARD as a % of Total Government Expenditure, 2007-2018



International Comparison - Civil GBARD as a % of Total Government Expenditure, 2016

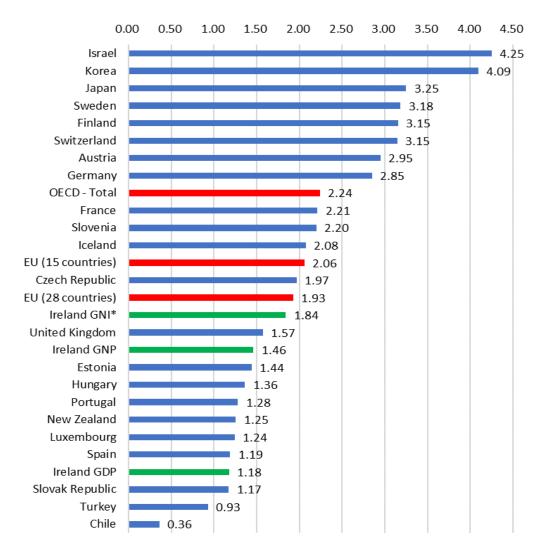


Source: Eurostat

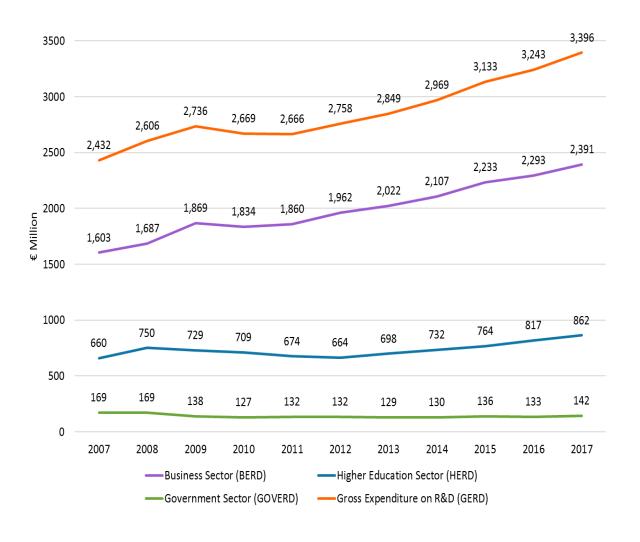
Gross Expenditure on R&D (GERD) and as a percentage of GDP/GNP/GNI*, 2007-2017



International Comparison - Civil GERD as % of GDP & GNP/GNI* for Ireland, 2016

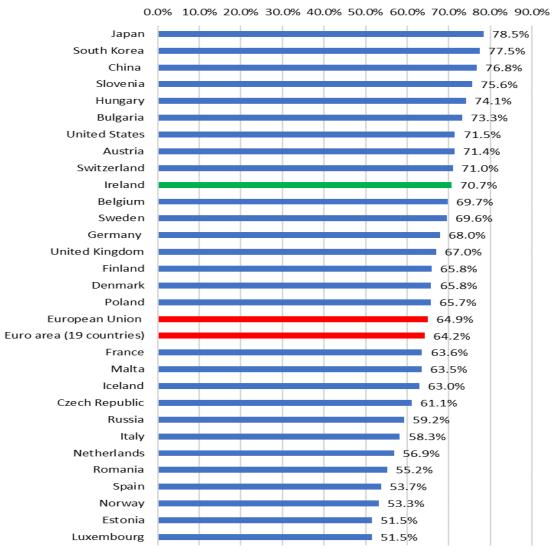


Gross Expenditure on R&D (GERD) by Sector, 2007-2017

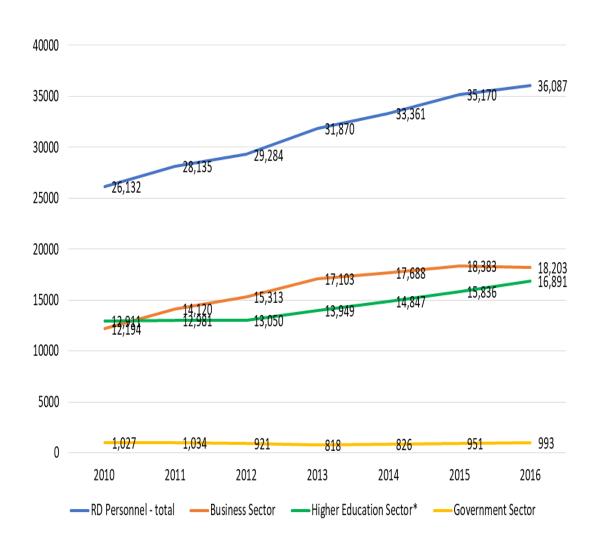


BERD and HERD figures for 2017 are estimates

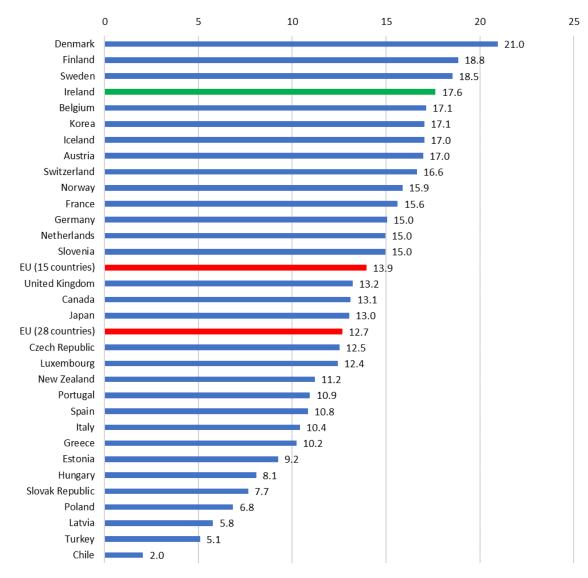
International Comparison – Share of GERD performed in Business Sector, 2016



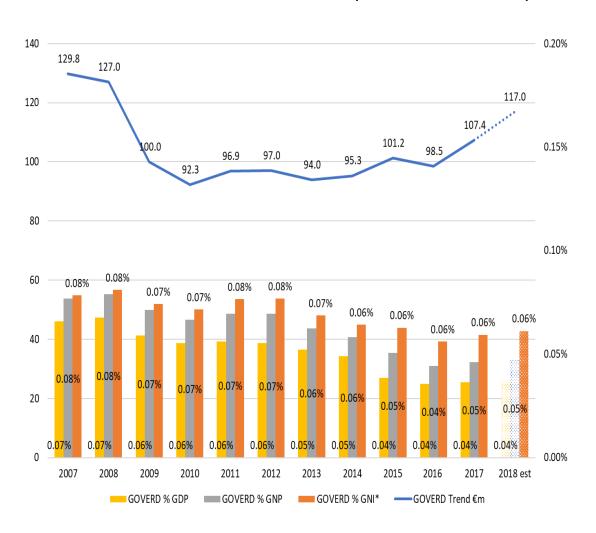
R&D Personnel (FTE) in Ireland by Sector, 2010-2016



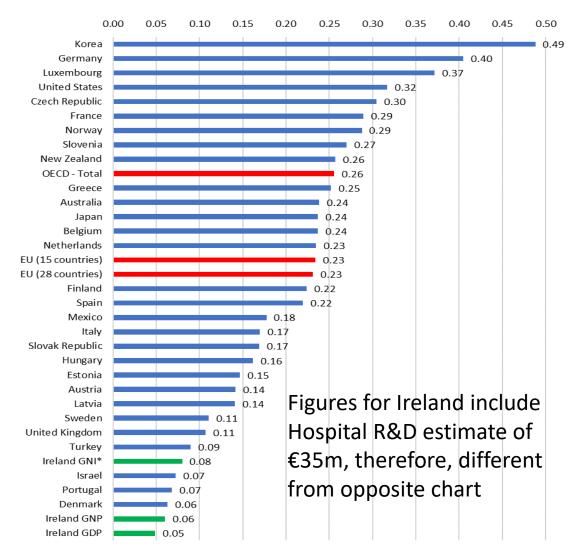
International Comparison - R&D Personnel per Thousand Employed, 2016



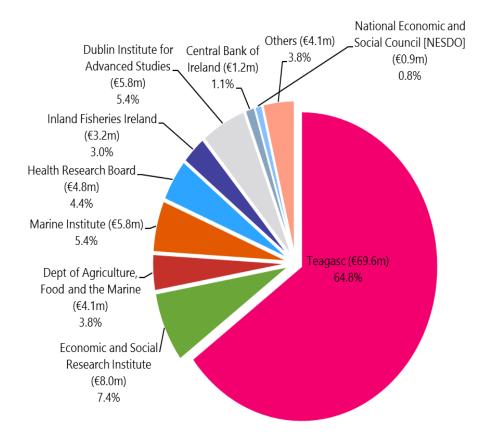
GOVERD trend (€m) and GOVERD as % of GDP/GNP/GNI* (2007-2018)



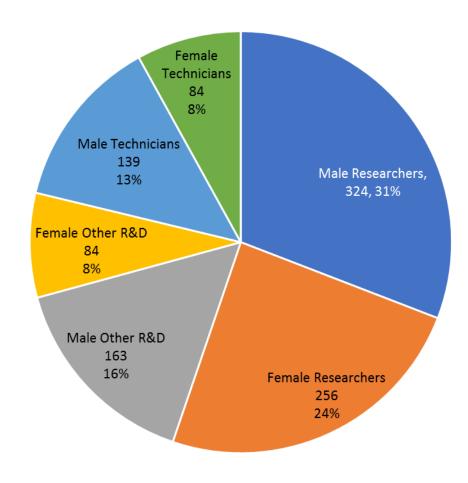
International comparison – GOVERD % GDP/GNI*, 2016



Major Government Sector R&D performers, 2017



R&D Personnel (FTE) in the Government Sector, 2017



From GDP to GNI*

GDP (All goods and services produced)

€294 bn

Adjust for income accruing to foreign residents



GNP (Income of domestic residents)

€233 bn



Adjust for subsidies from and taxes paid to the EU



GNI (Adjusted income of domestic residents)

€234 bn



Adjust for re-domiciled companies, intellectual property transfers and aircraft leasing sector



GNI* (Best approximation of size of Irish economy)

€181 bn