Digital Scoreboard 2016 and other information relevant for decisions about Digital Innovation Hubs

Ireland

<u>Accompanied by the WG1 Report on Digital Innovation Hubs</u>:

https://ec.europa.eu/futurium/en/content/report-wg1-digital-innovation-hubs-mainstreaming-digital-innovation-across-all-sectors-final

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National Digital Strategy (NDS)

- The National Digital Strategy (NDS) document "Phase 1 - Digital Engagement" was launched in July **2013**.

- It is part of the **Enterprise 2025**, the Government's long-term enterprise policy, an ambitious strategy to deliver economic growth over the next decade, 2015 to 2025.

- **Trading Online Voucher Scheme**: targets existing small businesses (10 employees or less) and provides training, mentoring and grants to support transformation to online trade. - awards **up to 2,5k EUR** of matching funding to small businesses to develop their ecommerce capability.

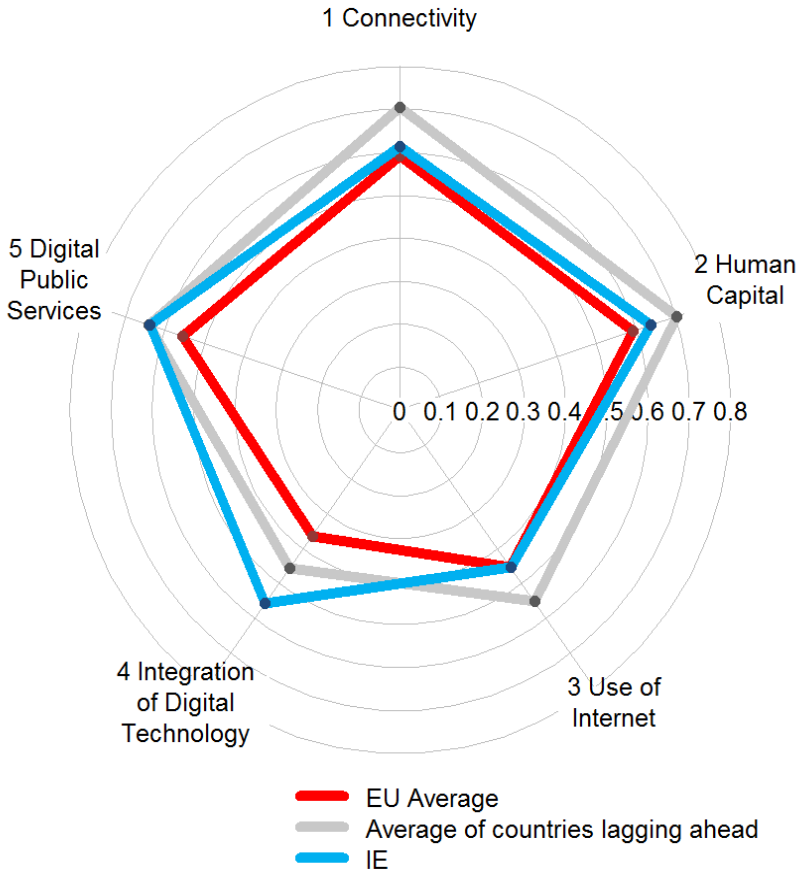
- **Digital Hub Development Agency:** established in 2003 to develop Ireland's digital enterprise sector through the creation of a cluster of enterprises. Supports ≈**100 businesses** at a time.

http://www.dccae.gov.ie/en-ie/communications/topics/Digital-Strategy/Pages/default.aspx

Ireland's performance in the DESI 2016

Ireland ranks 8 among EU countries.

It is part of the group of countries that are lagging ahead.

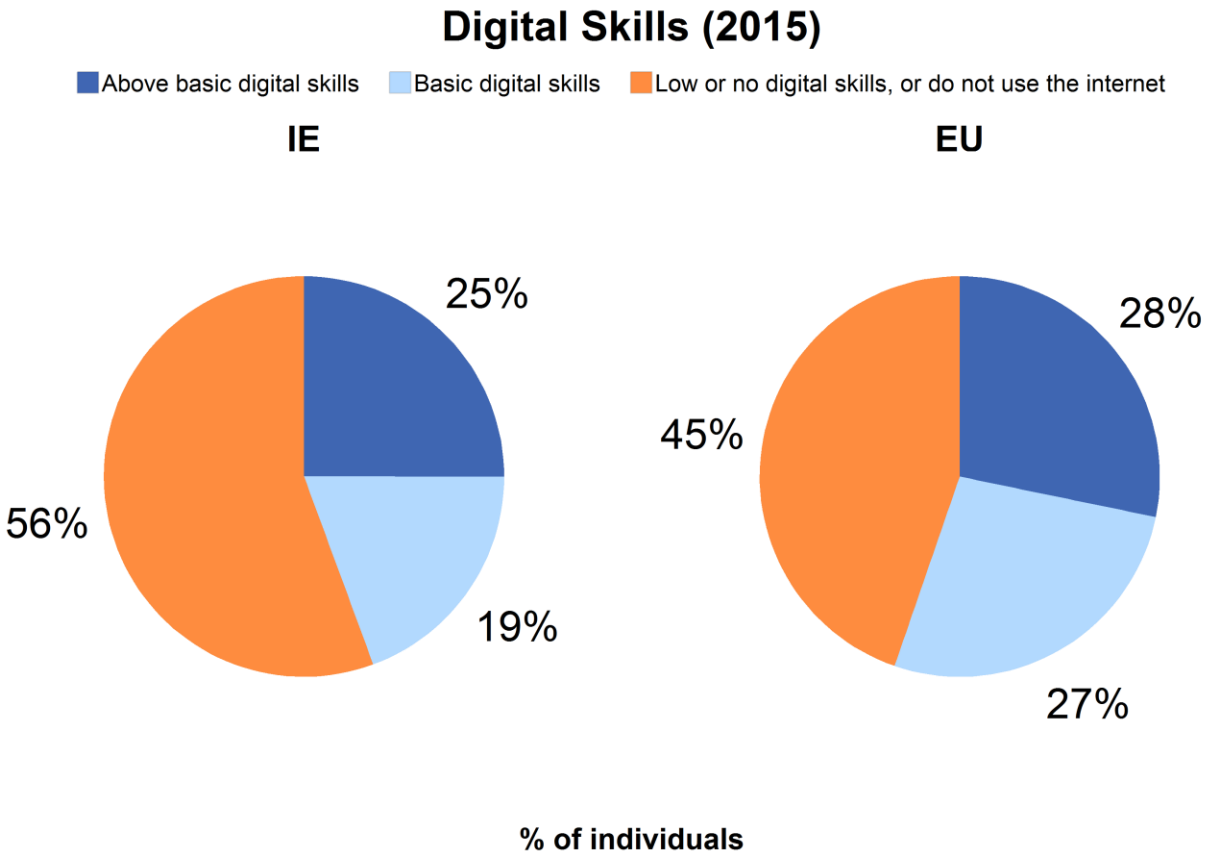


Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/ireland

Human Capital: Digital Skills

In Ireland 19% of citizens have basic digital skills (27% in the EU) and 25% have above basic digital skills (28% in the EU).

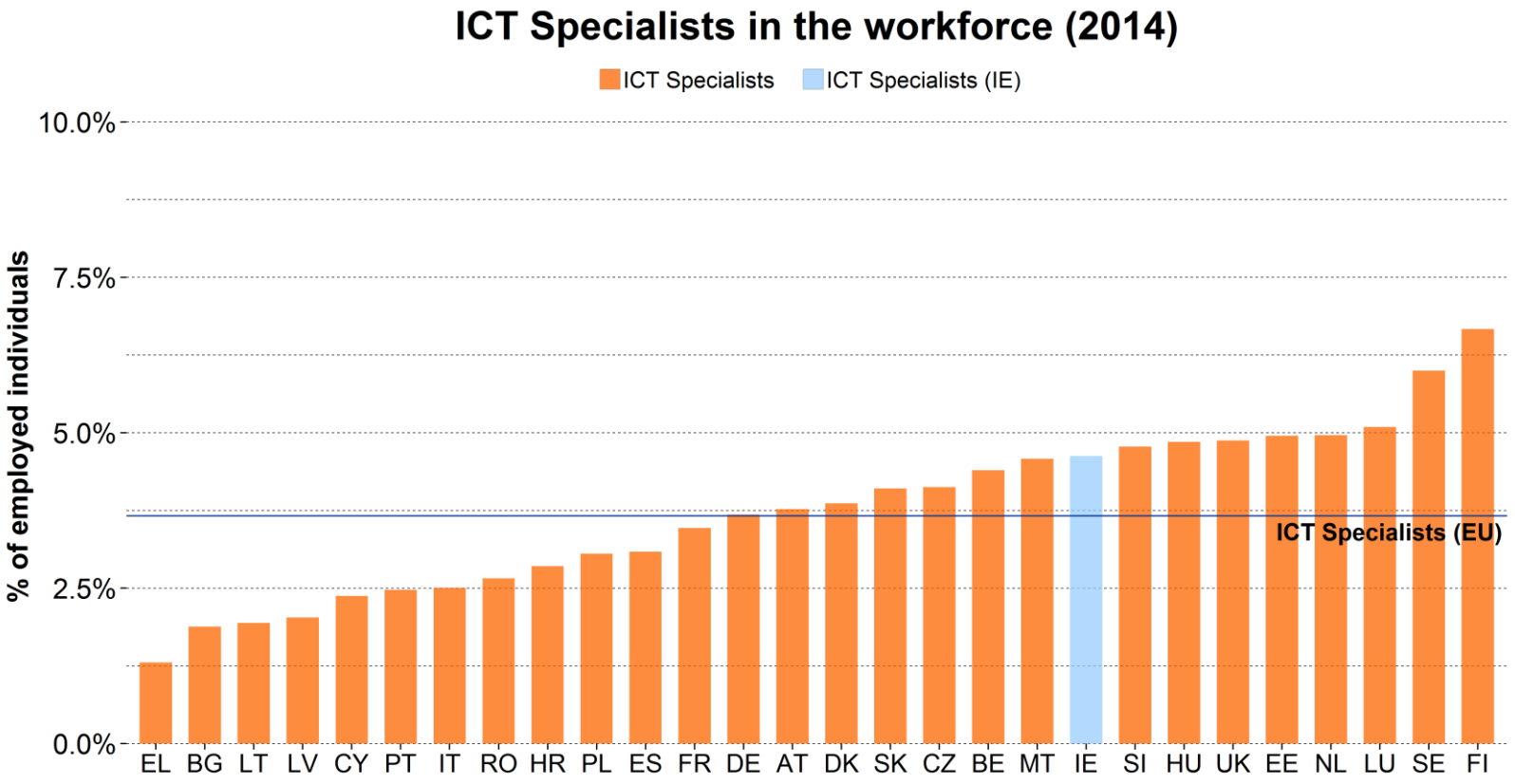


Digital Scoreboard 2016
https://ec.europa.eu/digital-single-market/en/scoreboard/ireland

Source: Eurostat - Community survey on ICT usage in Households and by Individuals

Human Capital: ICT Specialists in the workforce

In Ireland ICT Specialists account for 4.6% of the workforce (3.7% in the EU).



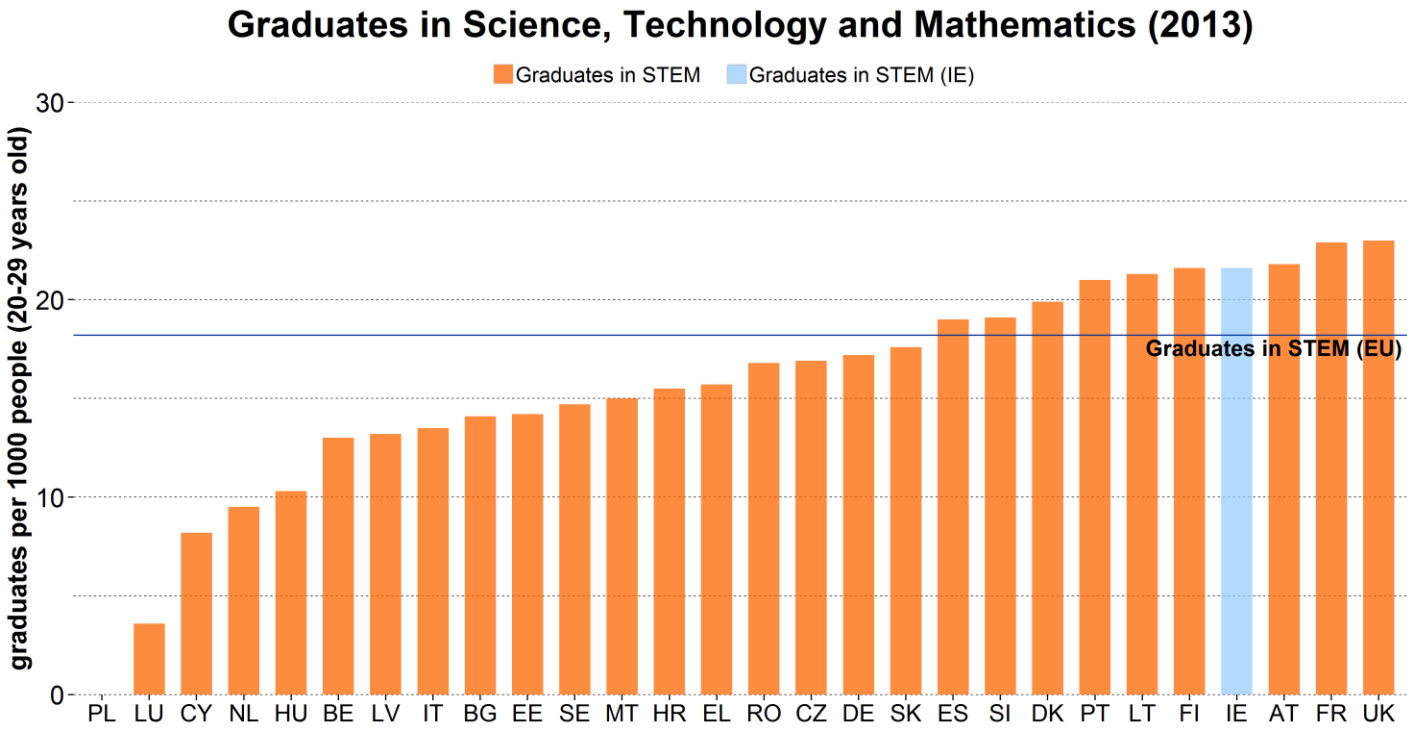
Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/ireland

Source: Eurostat - Labour force survey

Human Capital: Graduates in STEM (Science, Technology and Mathematics)

Ireland has 22 graduates in STEM per each 1000 people aged 20-29 years old (18 in the EU).



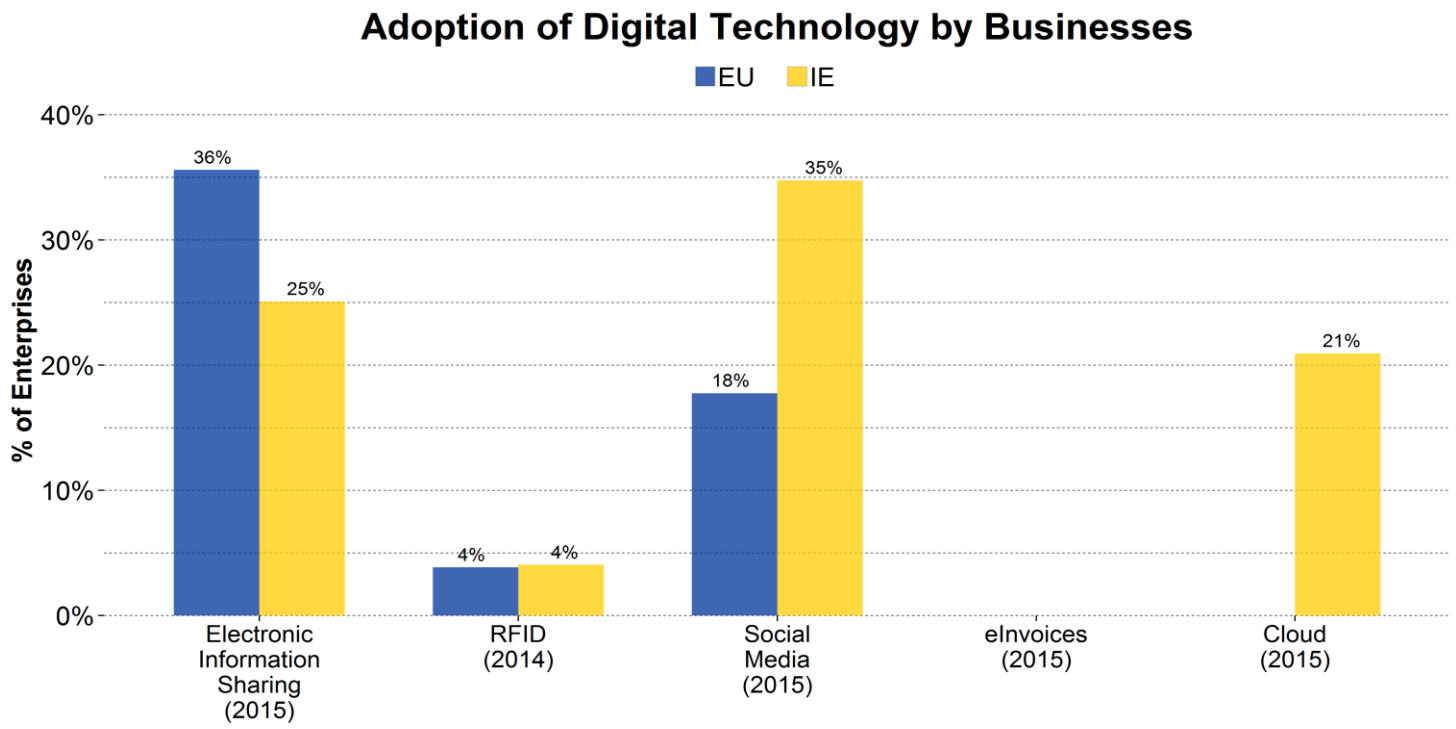
Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/ireland

Source: Eurostat - Science and technology graduates

Integration of Digital Technology: Business digitization

Businesses in Ireland are adopting different digital technologies to enhance productivity, such as sharing internal information electronically or using RFID, eInvoicing, Social Media and Cloud.



Digital Scoreboard 2016

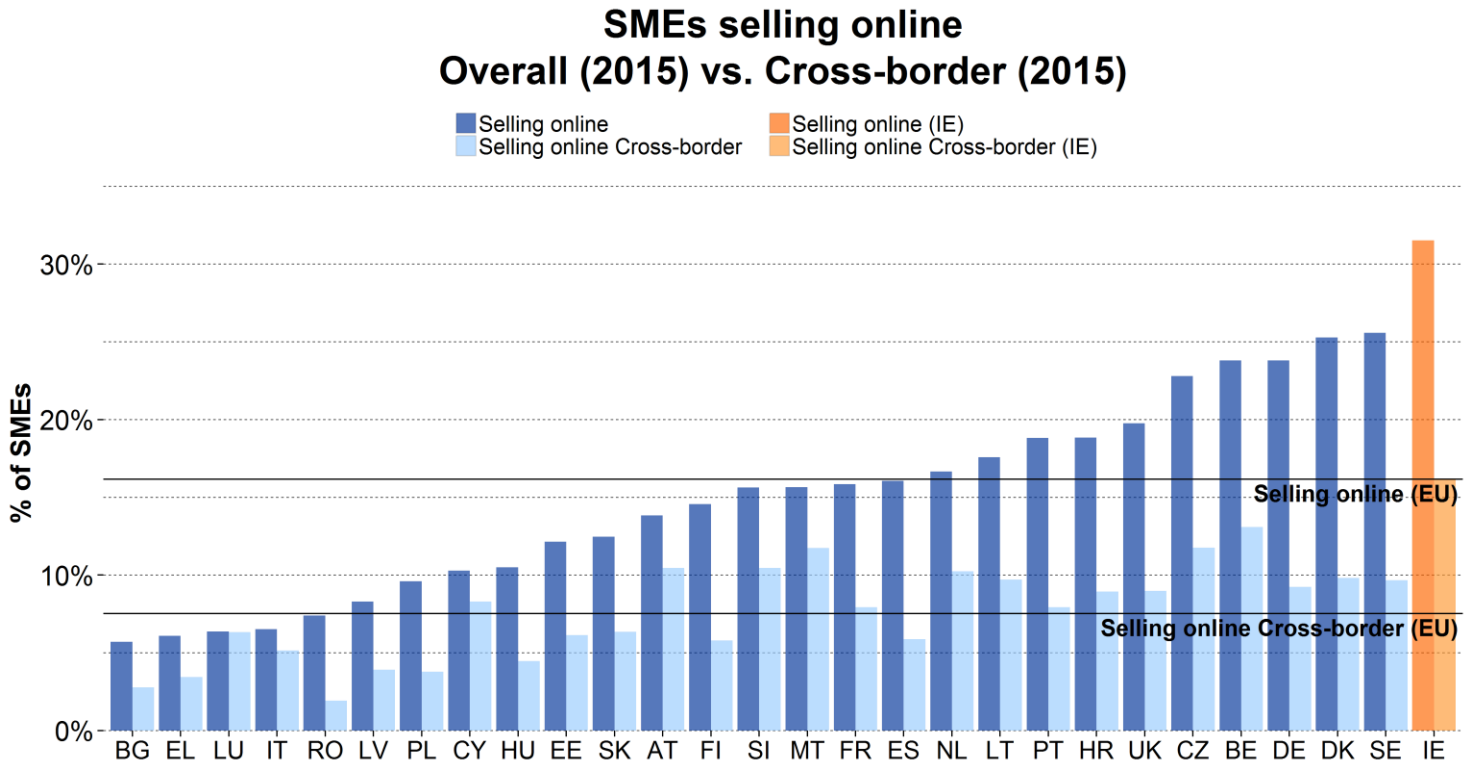
https://ec.europa.eu/digital-single-market/en/scoreboard/ireland

Source: Eurostat - Community survey on ICT usage and eCommerce in Enterprises

Integration of Digital Technology: SMEs selling online

In Ireland 32% of SMEs sell online (16% in the EU).

16% of Irish SMEs sell online to other EU countries (7.5% in the EU).



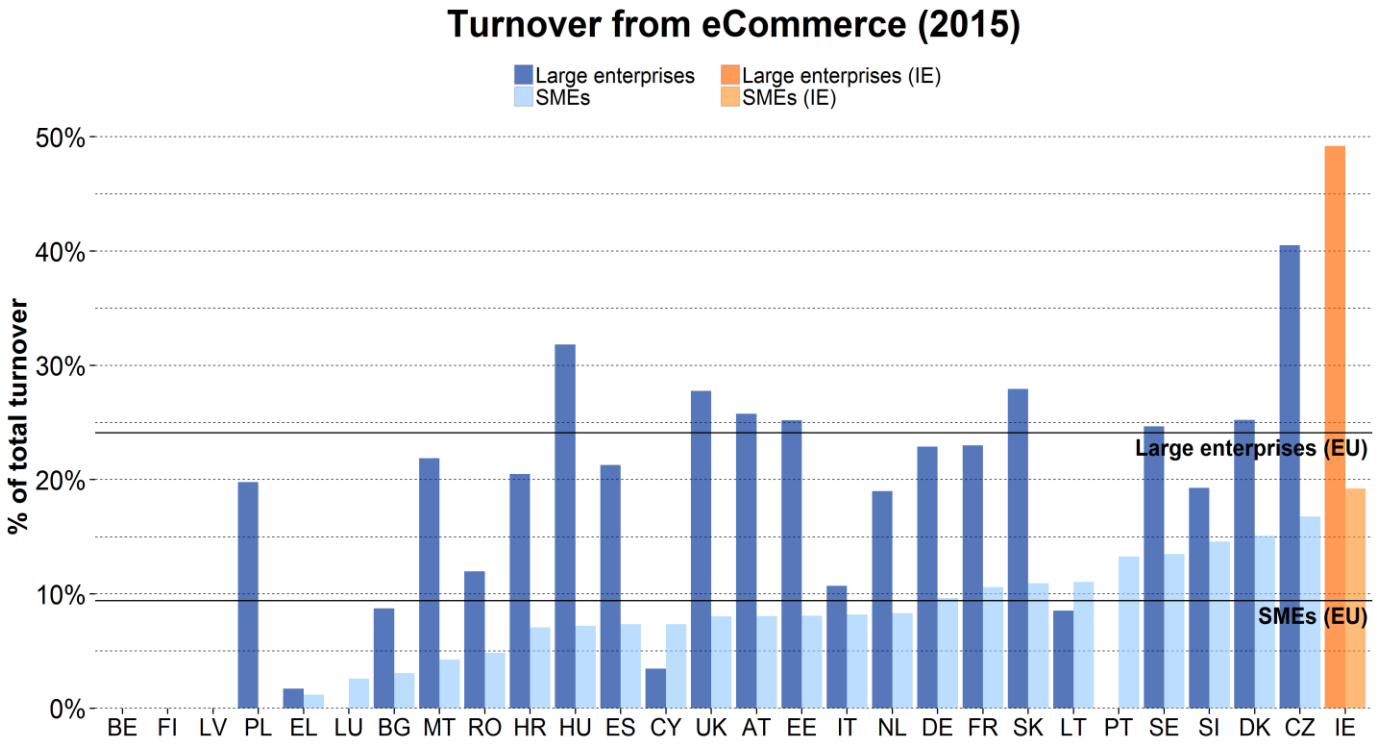
Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/ireland

Source: Eurostat - Community survey on ICT usage and eCommerce in Enterprises

Integration of Digital Technology: SME Turnover from eCommerce

SMEs in Ireland obtain on average 19% of their turnover from eCommerce (9.4% in the EU). Large enterprises derive on average 49% of their turnover from eCommerce (24% in the EU).



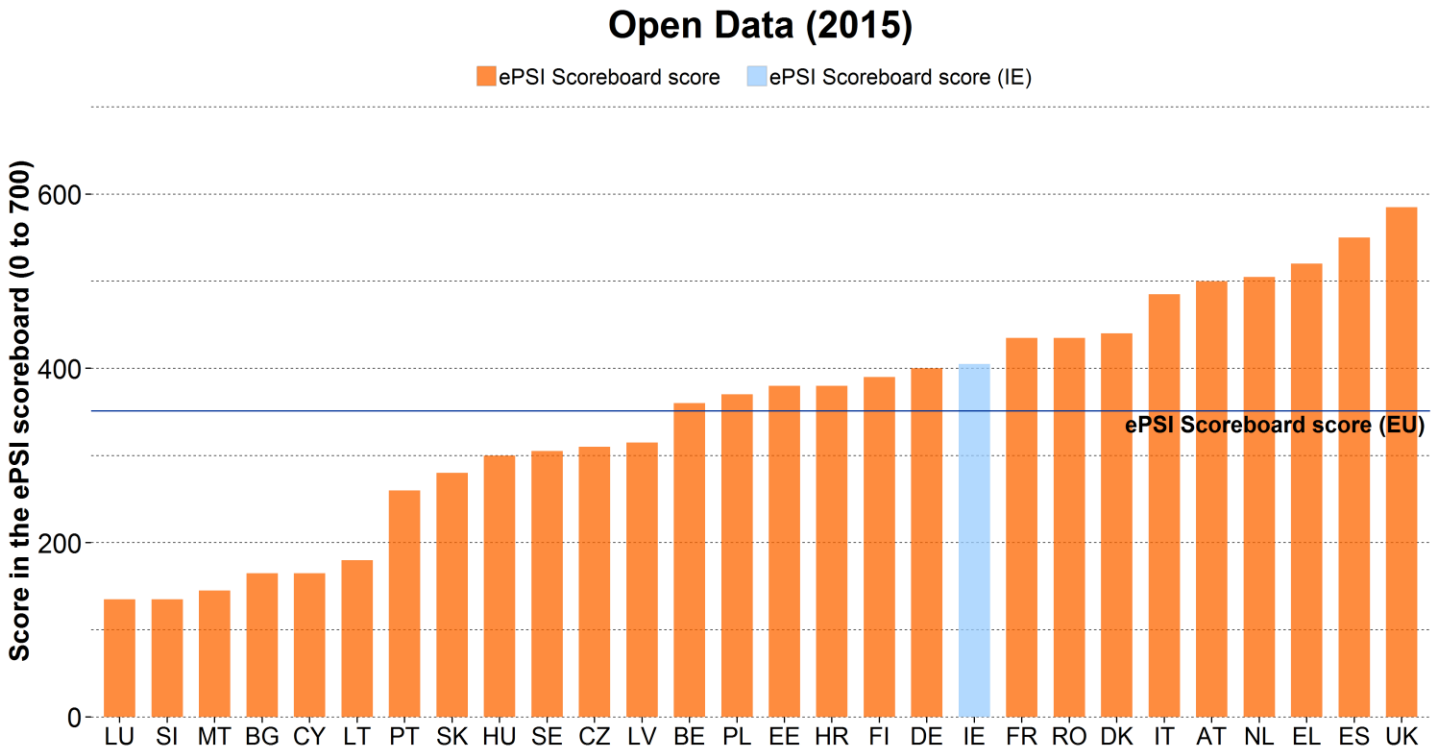
Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/ireland

Source: Eurostat - Community survey on ICT usage and eCommerce in Enterprises

Digital Public Services: Open Data

Ireland scores 405 out of 700 in the European Public Sector Information scoreboard, against an overall score of 351 out of 700 for the European Union.

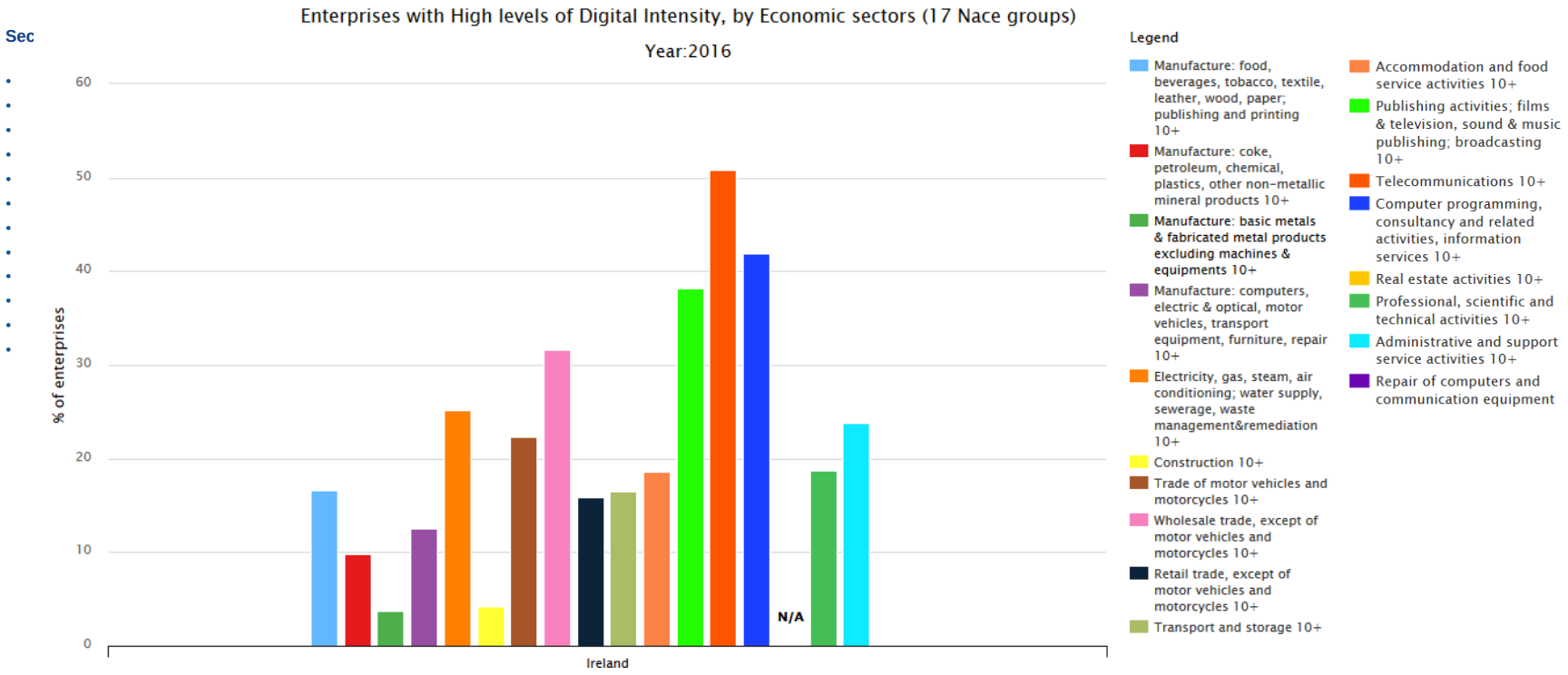


Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/ireland

Source: The Public Sector Information Scoreboard is a 'crowdsourced' tool to measure the status of Open Data and PSI re-use throughout the EU.

Enterprises with high level of Digital Intensity by economic sectors in Ireland



Sectors where less than 30% of the companies have a high level of digital intensity

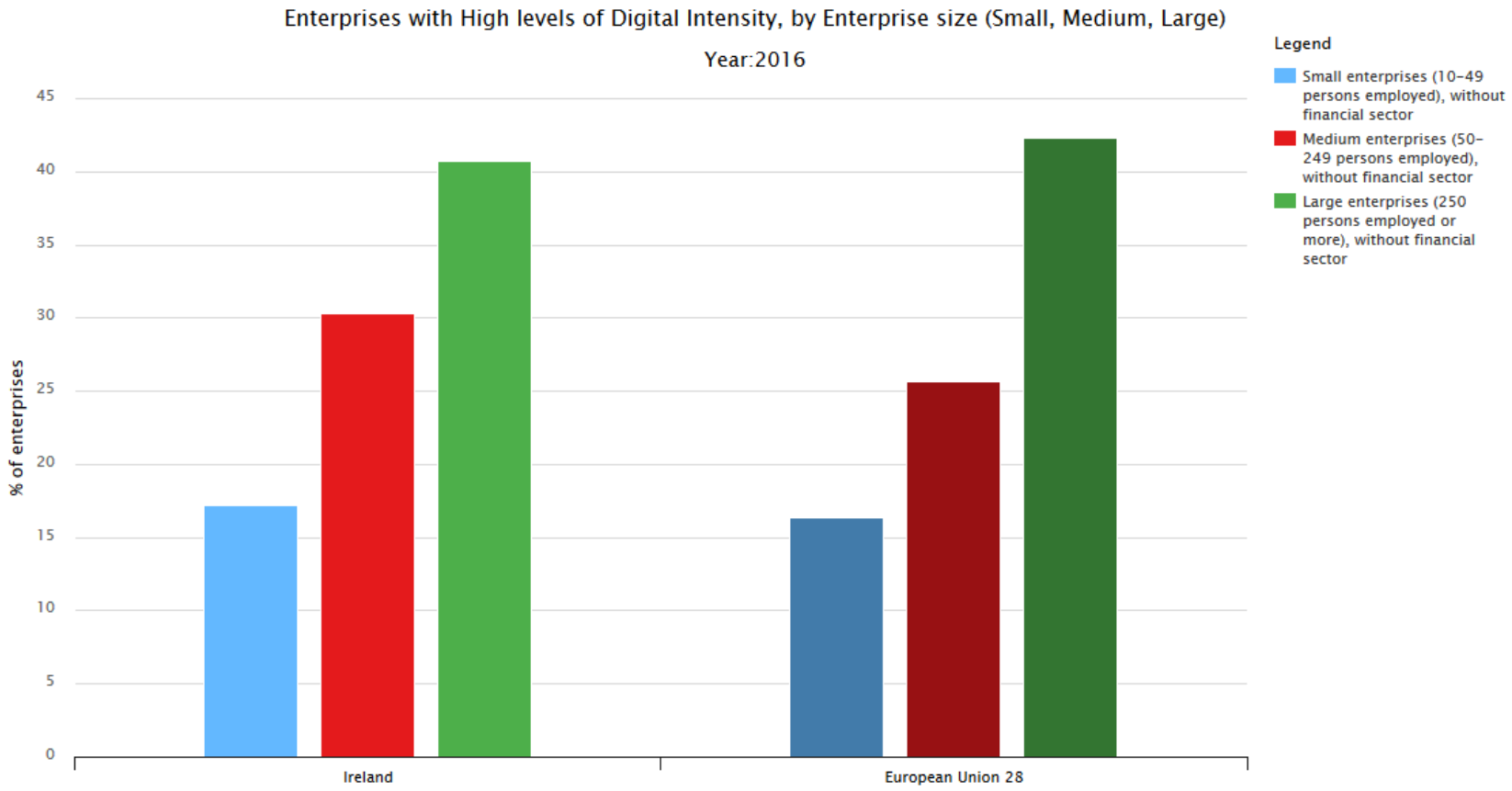
- Manufacture: food, beverages, tobacco, textile, leather, wood, paper; publishing and printing 10+
- Manufacture: coke, petroleum, chemical, plastics, other non-metallic mineral products 10+
- Manufacture: basic metals & fabricated metal products excluding machines & equipment 10+
- Manufacture: computers, electric & optical, motor vehicles, transport equipment, furniture, repair 10+
- Electricity, gas, steam, air conditioning; water supply, sewerage, waste management & remediation
- Construction 10+
- Retail trade, except of motor vehicles and motorcycles 10+
- Transport and storage 10+
- Administrative and support service activities 10+
- Trade of motor vehicles and motorcycles 10+
- Accommodation and food service activities 10+
- Real estate activities 10+

Sectors where more than 30% of the companies have a high level of digital intensity:

- Publishing activities; films & television, sound & music publishing; broadcasting 10+
- Telecommunications 10+
- Computer programming, consultancy and related activities, information & services 10+
- Wholesale trade, except of motor vehicles and motorcycles 10+

http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={%22indicator-group%22:%22ebusiness%22,%22indicator%22:%22e_di_hivhi%22,%22breakdown-group%22:%22econsector%22,%22unit-measure%22:%22pc_ent%22,%22time-period%22:%222016%22,%22ref-area%22:[%22IE%22]}

Enterprises with high levels of digital intensity, by Enterprise size

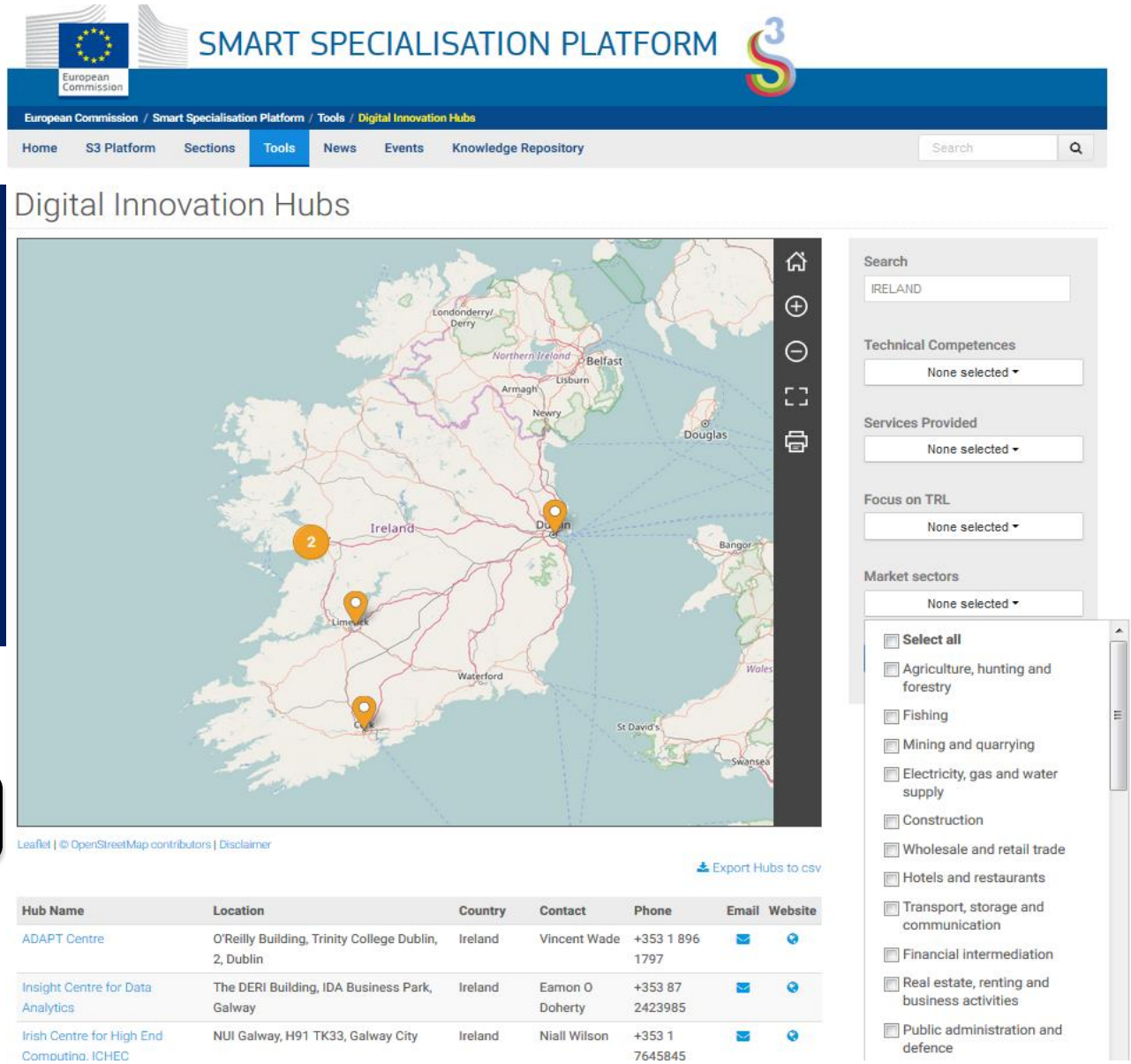


http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={%22indicator-group%22:%22ebusiness%22,%22indicator%22:%22e_di_hivhi%22,%22breakdown-group%22:%22byENTsize_s_m_l%22,%22unit-measure%22:%22pc_ent%22,%22time-period%22:%222016%22,%22ref-area%22:[%22EU28%22,%22IE%22]}

Digital Innovation Hubs Catalogue
The Ireland case

The version available presents:

- Fact-sheets with profile, contact data, service examples for regional, national, and EU-supported DIHs
- Map-based search tool by technical competences, market sector, services



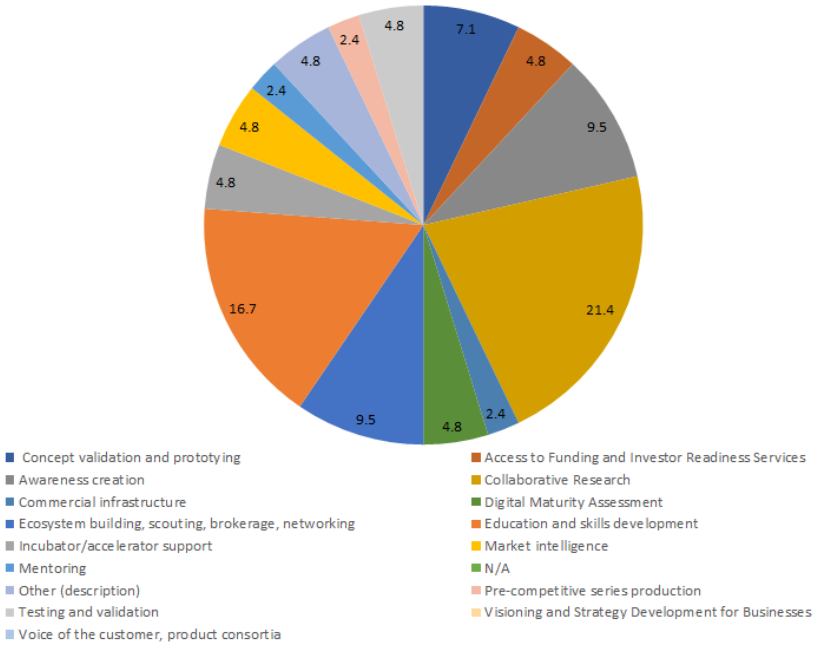
http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool

JRC-B3-DIH@ec.europa.eu

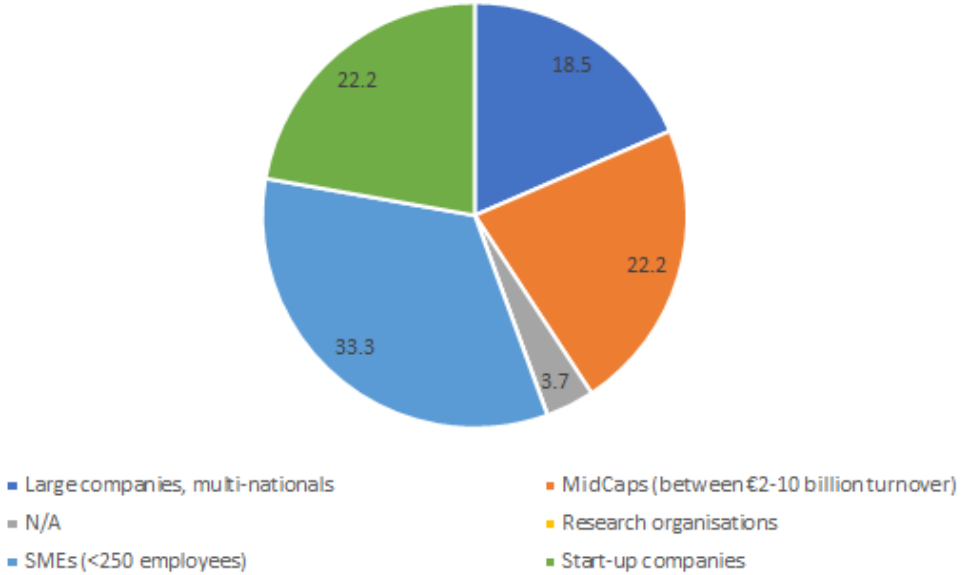
The Catalogue of Digital Innovation Hubs was created by TNO in cooperation with JRC of the European Commission

Services provided and types of customers supported by DIHs in Ireland - Analysis

Types of services provided (%)



Types of customers supported (%)



The analysis of the data presented was conducted by TNO, the detailed data is provided in the Catalogue of DIHs available on: http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool

Competence centers/DIHs funded by EU projects in Ireland in H2020

Project Topic Code	Project Acronym	Project Duration	Project End Date	Participant Legal Name	Participant Role	Participant Short Name	Core Legal Entity Type	Research Organisation?
ICT-02-2014	SMARTER-SI	36	31/01/2018	UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK	PARTICIPANT	TNI	PUBLIC	Yes
ICT-02-2014	GateOne	36	31/12/2017	UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK	PARTICIPANT	UCC	PUBLIC	Yes
ICT-04-2017	FED4SAE	36	31/08/2020	INTEL RESEARCH AND DEVELOPMENT IRELAND LIMITED	PARTICIPANT	INTEL	PRIVATE	No
FOF-12-2017	MIDIH	36	30/09/2020	IRISH MANUFACTURING RESEARCH COMPANY LIMITED BY GUARANTEE	PARTICIPANT	IMR	PRIVATE	Yes

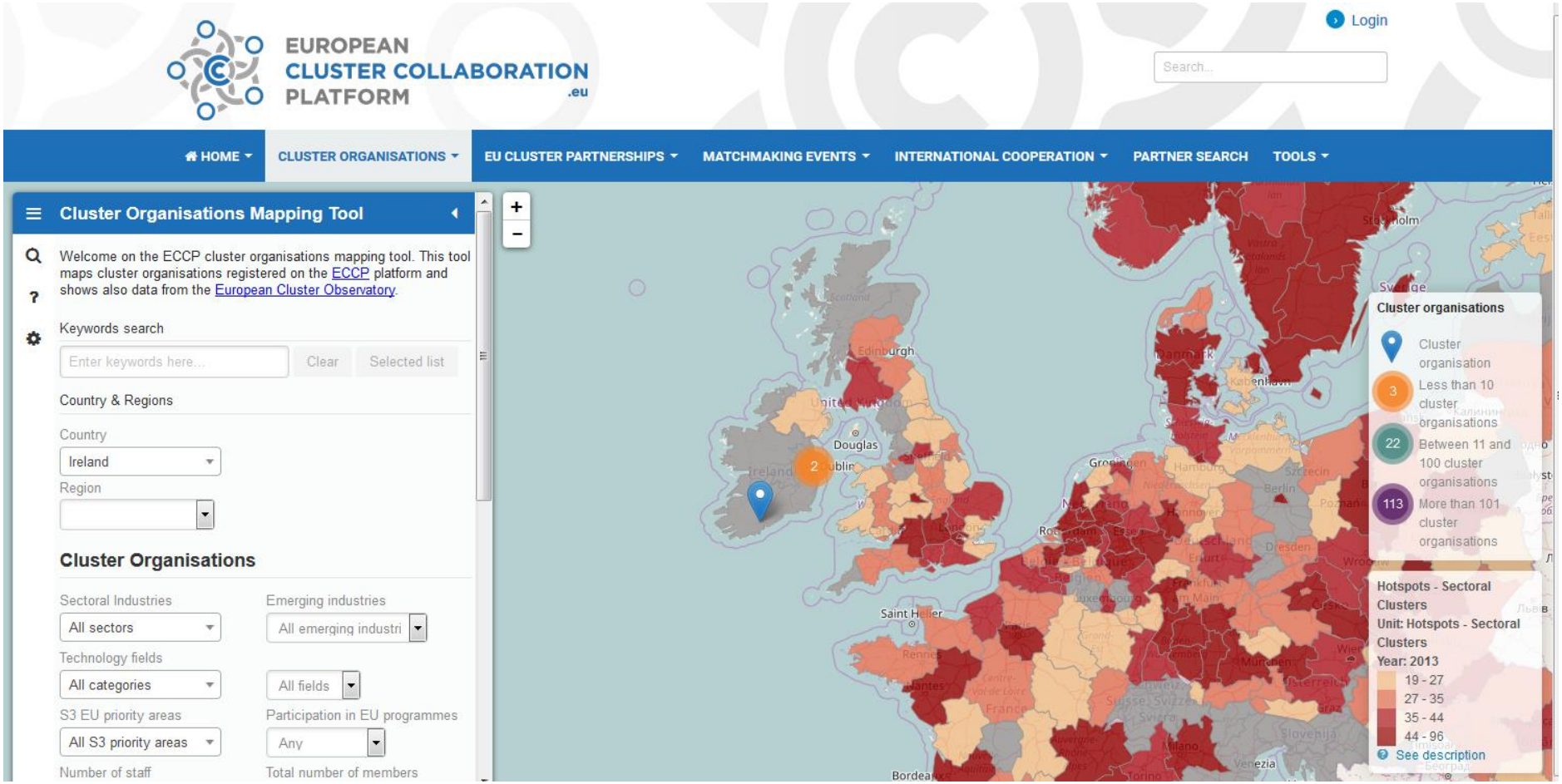
*Data available in **CORDIS** (http://cordis.europa.eu/home_en.html) and in the **European Commission databases***

Competence centers/DIHs funded by EU projects in Ireland in FP7

Project Number	Project Acronym	Project Duration	Project Start Date	Project End Date	Project Number of Participants	Participant Short Name	Participant Legal Name	Participant Role	Organisation Type
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	DCU	DUBLIN CITY UNIVERSITY	Participant	HES
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	CERX	CERAMIX IRELAND LTD	Participant	PRC

*Data available in **CORDIS** (http://cordis.europa.eu/home_en.html) and in the **European Commission databases***

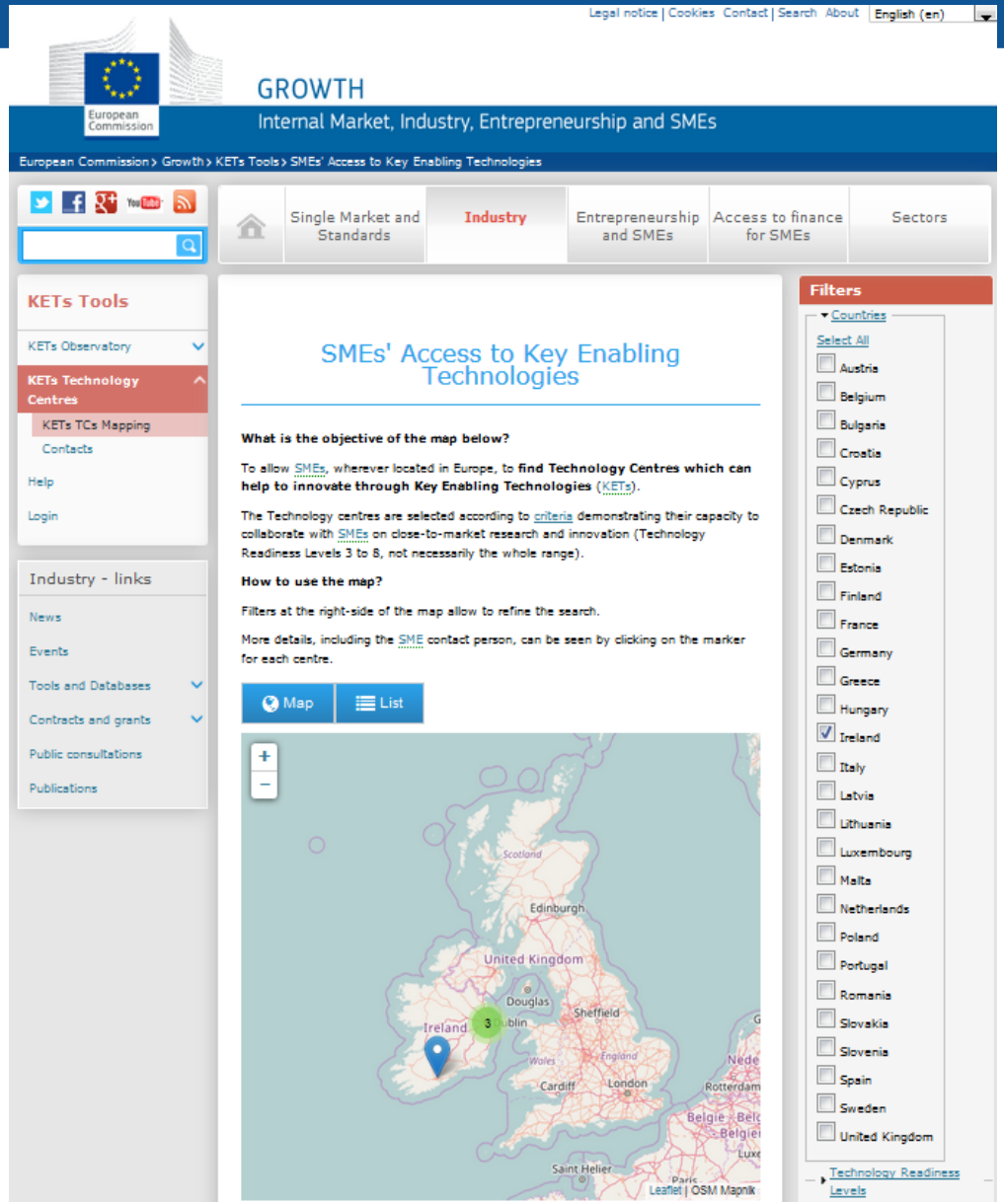
Clusters in Ireland



https://www.clustercollaboration.eu/print/cluster-list?combine=&country_code=ie

Please see WG1 report

KETs in Ireland



https://ec.europa.eu/growth/tools-databases/kets-tools/kets-tc/map?field_postal_address_country%5B0%5D=IE

eit Digital Co-Location Centres

Co-Location Centres are meeting places, melting pots, hubs, where planned, as well as ad hoc, meetings and events take place.

They bring together talents, ideas, technologies and investments that turn the Co-Location Centres into vibrant hot spots where students, researchers, engineers and business developers cross-pollinate to succeed in the market.

https://masterschool.eitdigital.eu/about-us/co-location-centres/

No eit Digital Co-Location Centre in Ireland

Pilot Lines in Nanotechnology and Advanced Materials

Project Number	Project Acronym	Project Title	Project Start Date	Project End Date	Participant Legal Name	Participant Short Name	Sectors	Pilot line
645993	CO-PILOT	Flexible Pilot Scale Manufacturing of Cost-Effective Nanocomposites through Tailored Precision Nanoparticles in Dispersion	01/01/2015	31/12/2017	THE PROVOST, FELLOWS, FOUNDATION SCHOLARS & THE OTHER MEMBERS OF BOARD OF THE COLLEGE OF THE HOLY & UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN	TRINITY COLLEGE DUBLIN		
646142	NanoPilot	A Pilot Plant for the Production of Polymer based Nanopharmaceuticals in Compliance with GMP	01/01/2015	31/12/2018	NATIONAL UNIVERSITY OF IRELAND, GALWAY	NUIG		
646364	NANOFACTURING	The Development of Medium- and Large-Scale Sustainable Manufacturing Process Platforms for Clinically Compliant Solid Core Nanopharmaceuticals	01/02/2015	31/01/2019	UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN	NUID UCD		
685872	MOZART	MesopOrous matrices for localiZed pH-triggered releAse of theRapeuTic ions and drugs	01/11/2015	31/10/2019	VORNIA LIMITED	Vornia Limited	Healthcare sector (Bone healing and wound healing applications)	Gel production
686116	OptiNanoPro	Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines	01/10/2015	30/09/2018	IRIS ADVANCED ENGINEERING LIMITED	IRIS AE		

Planned investments, allocated resources, in Ireland, in relation to European Regional Development Funds in categories relevant for Digital Innovation Hubs

European Commission

EUROPEAN STRUCTURAL AND INVESTMENT FUNDS
DATA

European Commission > European Structural & Investment Funds > Data

HOME | EXPLORE EU DATA | EXPLORE BY THEME | EXPLORE BY COUNTRY | EXPLORE BY FUND

Country Data for: Ireland

View a different country

Finances: Planned | Finances: Implemented | EU Payments

Achievements | Programmes

Ireland, through 5 national programmes, benefits from ESIF funding of EUR 3.4 billion. This represents an average of 729 euro per person from the EU budget over the period 2014-2020. This page includes visualizations on the planning and implementation of the finances available, the EU payments to Ireland and achievements at country level. You can explore further the ESI Funds programmes of the country in the "Programmes" section, where we list also the relevant Interreg programmes for Ireland.

Total | EU | National

Country Budget for 2014-2020:

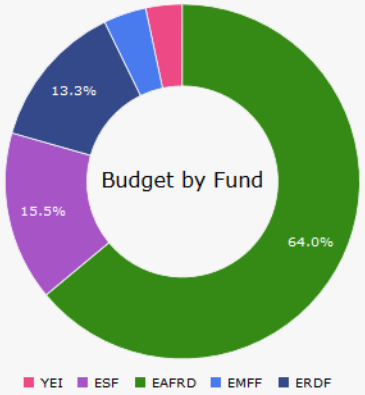
€6 132 356 325

FINANCES: PLANNED — Total — Back to Top

The planned EU financing, national co-financing and total financing are visible using the filters provided in the blue bar above. Based on the filter chosen the planned financing over the period 2014-2020 is presented below 1) by fund and 2) broken down by major theme. (The source dataset is available on the link "Explore and share this dataset").

Total Budget by Fund (daily update): Ireland, EUR

Explore and Share this Data



Refresh Date: 21/8/2017

For further information please see WG1 report & https://cohesiondata.ec.europa.eu/countries/IE