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- Finland's performance in the DESI 2016 pg 4-11
- Level of Digital Intensity in Finnish enterprises by sector and size pg 12-13
- Digital Innovation Hubs Catalogue, the Finland case pg 14
- Services provided and types of customers supported by DIHs in Finland – Analysis pg 15
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- Clusters and KETs in Finland pg 18-19
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Finland's national policy initiative on digitising industry

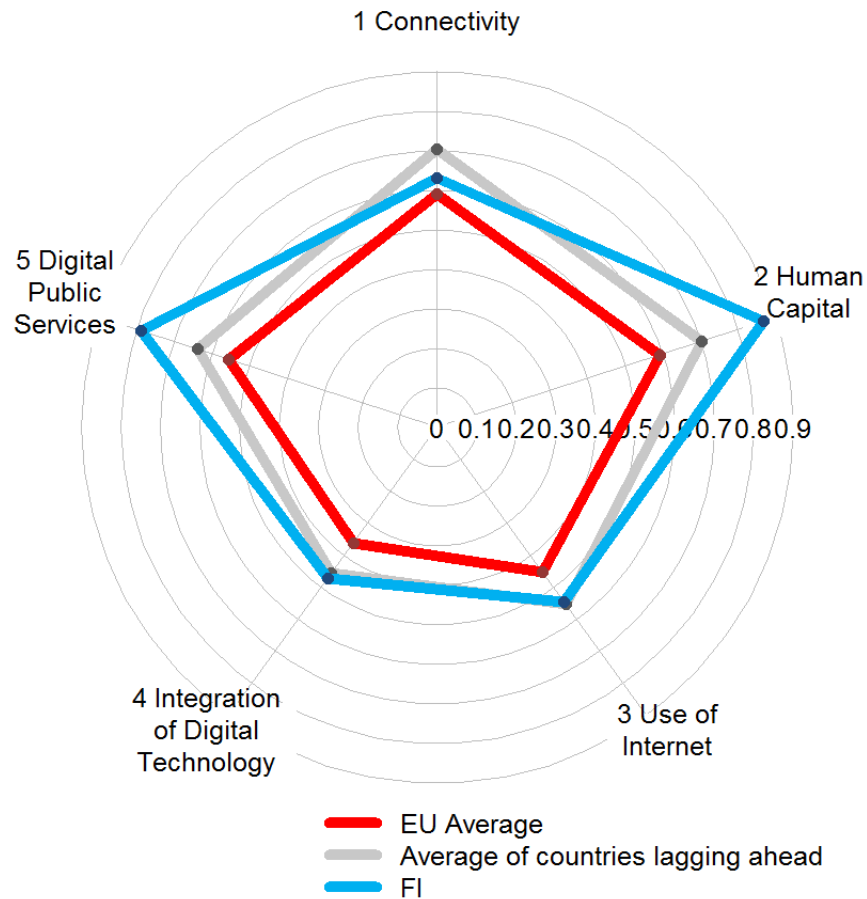


Finland has a national policy initiative on digitising industry under preparation

- The Ministry of Economic Affairs has set up a task force with a mandate to prepare a program for Digitising Finnish Industry. It is expected to be launched in **autumn 2017**.
- The main **objectives** of the Digitising Finnish Industry program will be to make the digital opportunities available to all companies in a concrete form, and to accelerate the innovation of the cutting edge companies.

Finland ranks 4 among EU countries.

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



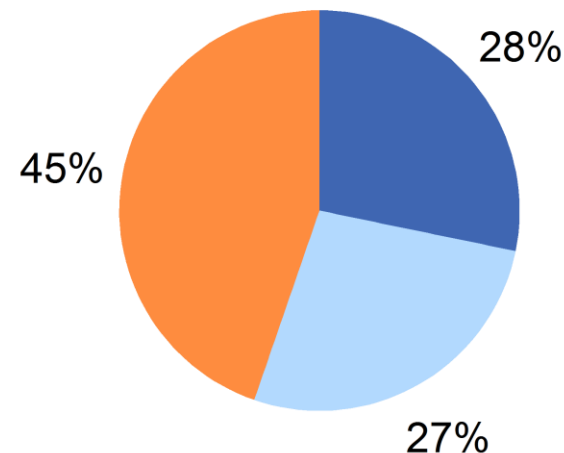
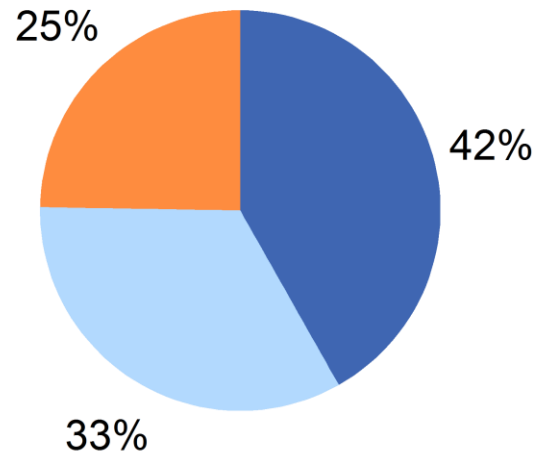
In Finland 33% of citizens have basic digital skills (27% in the EU) and 42% have above basic digital skills (28% in the EU).

Digital Skills (2015)

■ Above basic digital skills ■ Basic digital skills ■ Low or no digital skills, or do not use the internet

FI

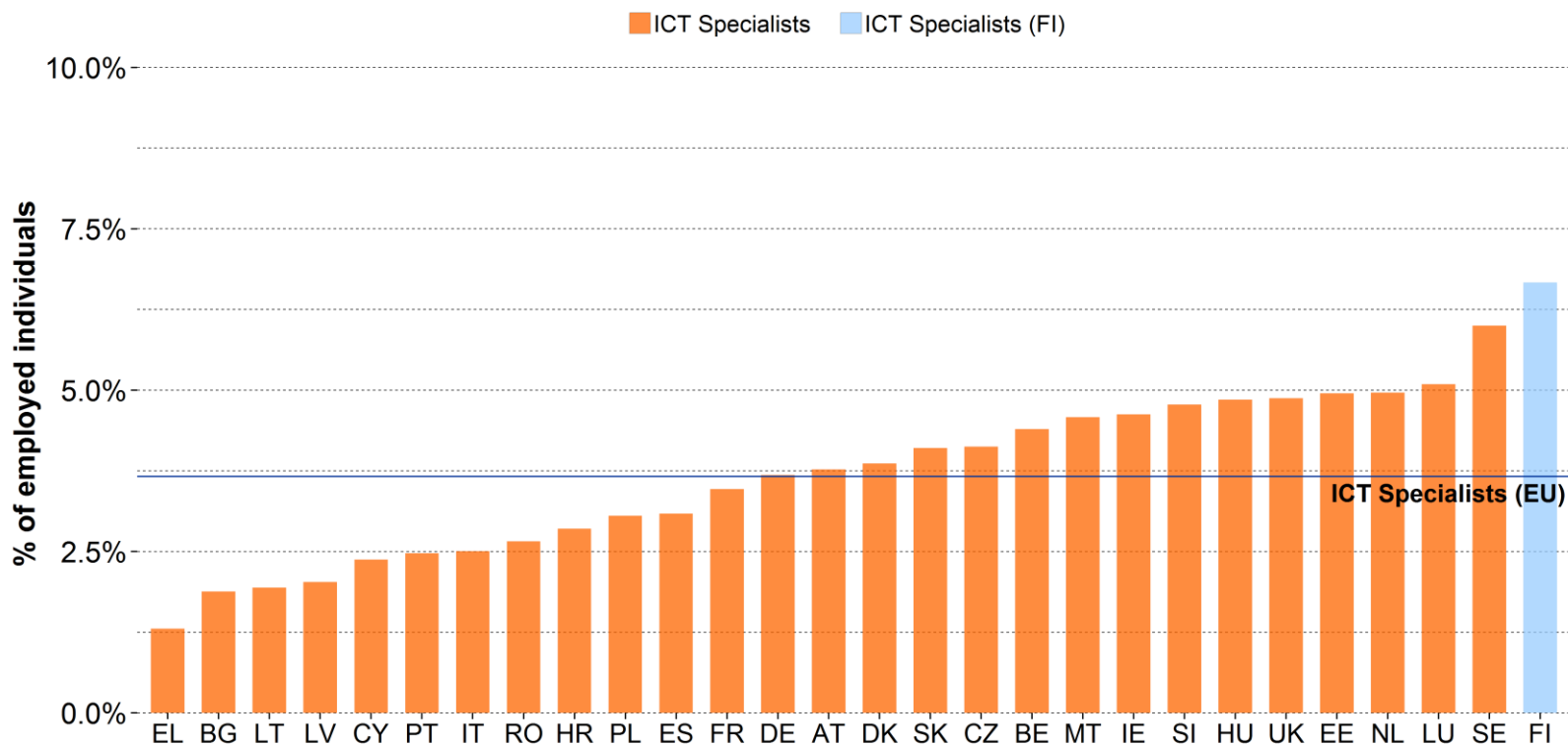
EU



% of individuals

In Finland ICT Specialists account for 6.7% of the workforce (3.7% in the EU).

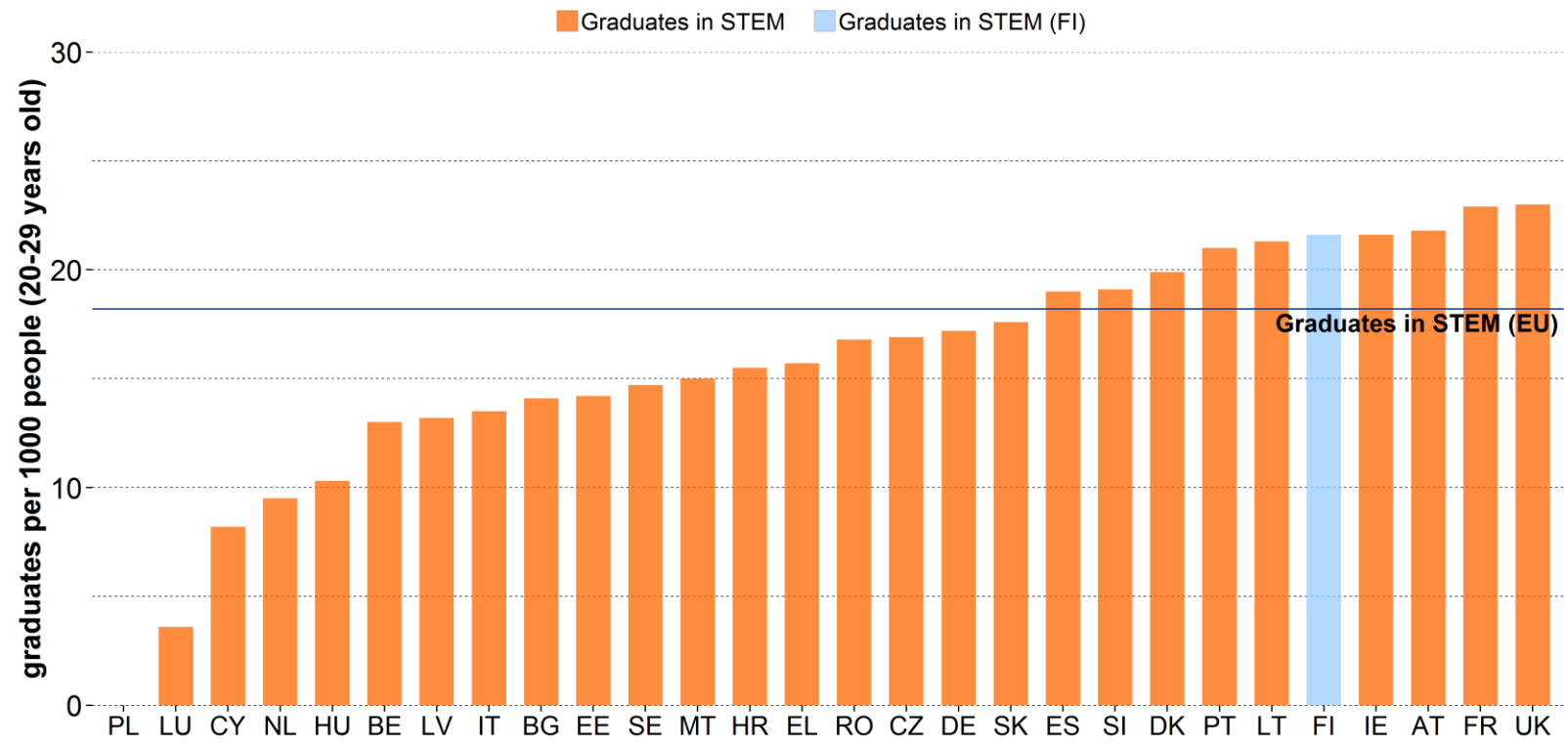
ICT Specialists in the workforce (2014)



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

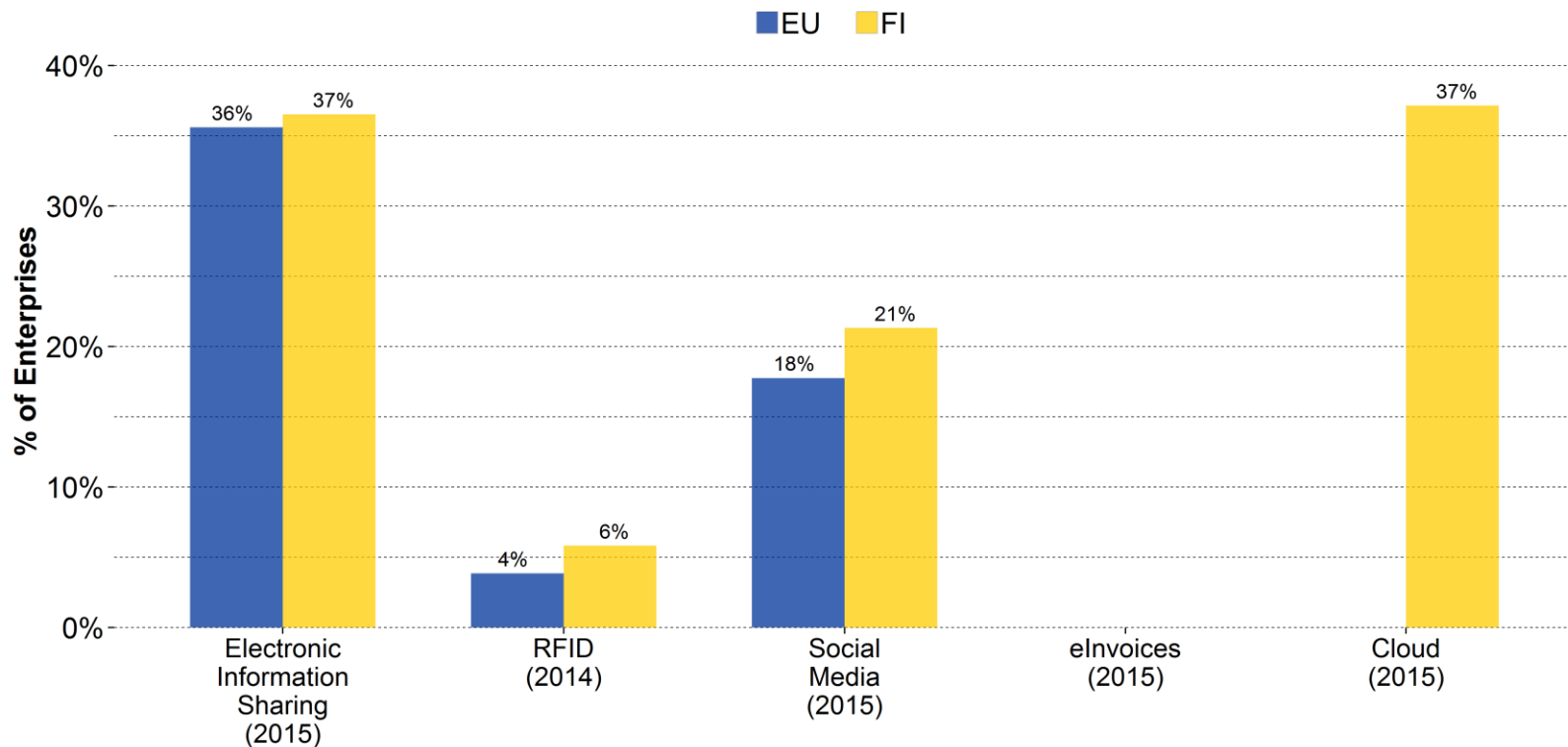
Finland has 22 graduates in STEM per each 1000 people aged 20-29 years old (18 in the EU).

Graduates in Science, Technology and Mathematics (2013)



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

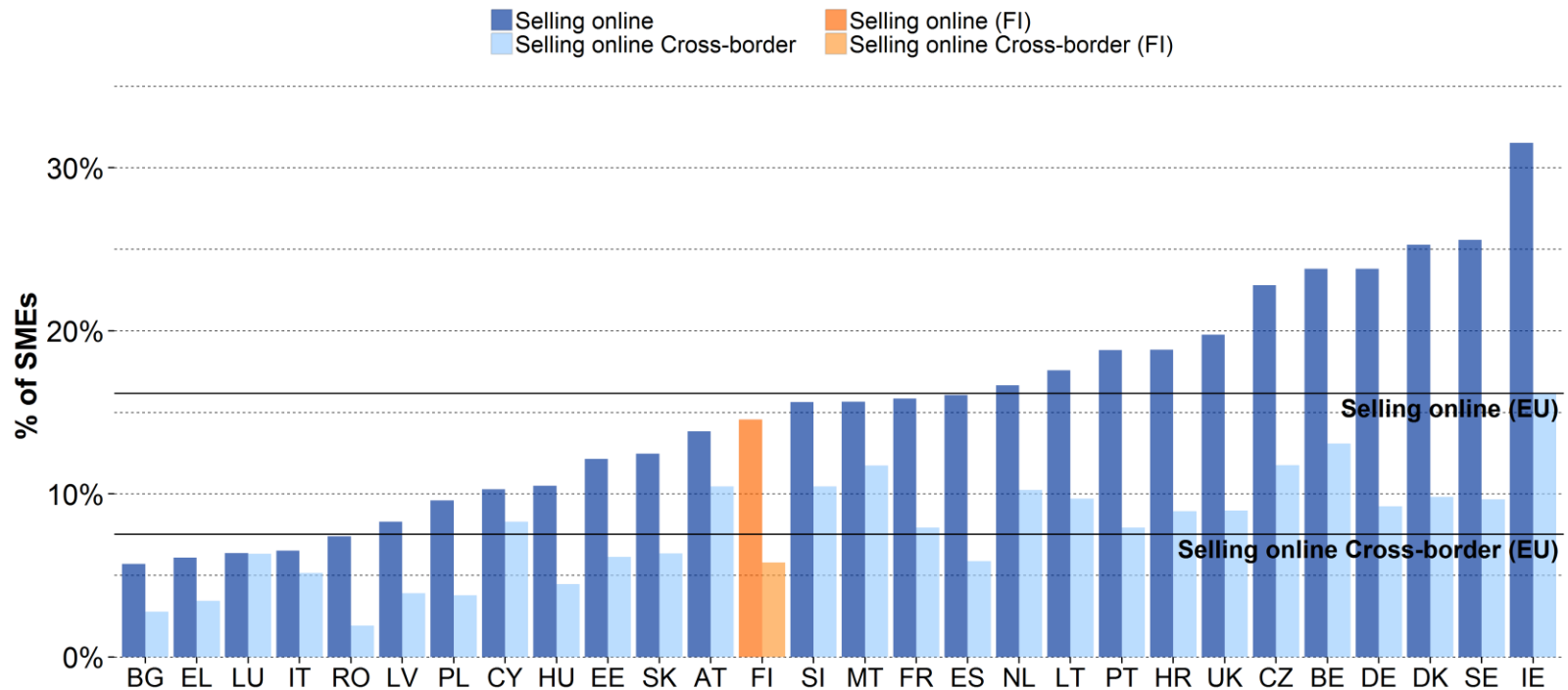
Adoption of Digital Technology by Businesses



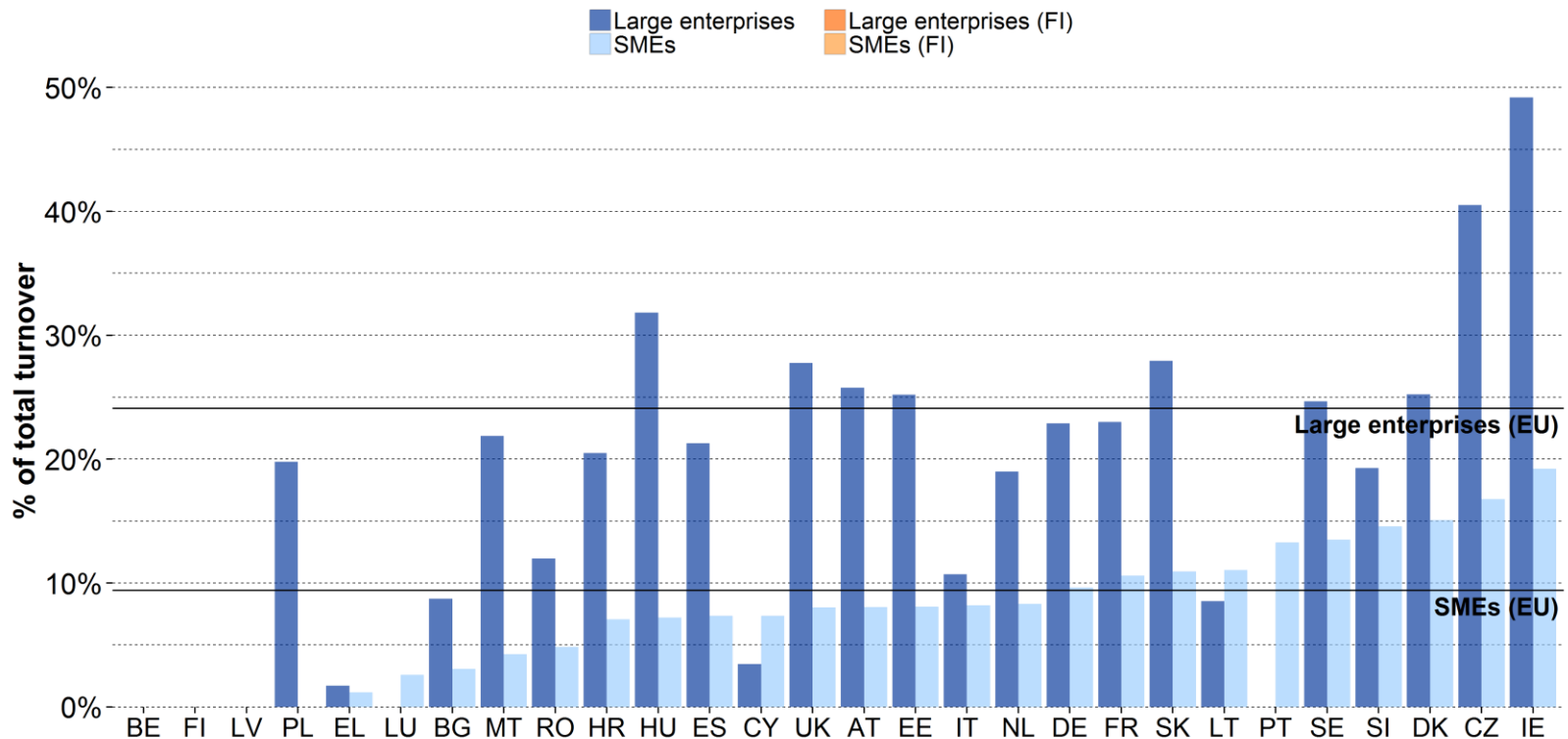
In Finland 15% of SMEs sell online (16% in the EU).

5.8% of Finnish SMEs sell online to other EU countries (7.5% in the EU).

SMEs selling online Overall (2015) vs. Cross-border (2015)

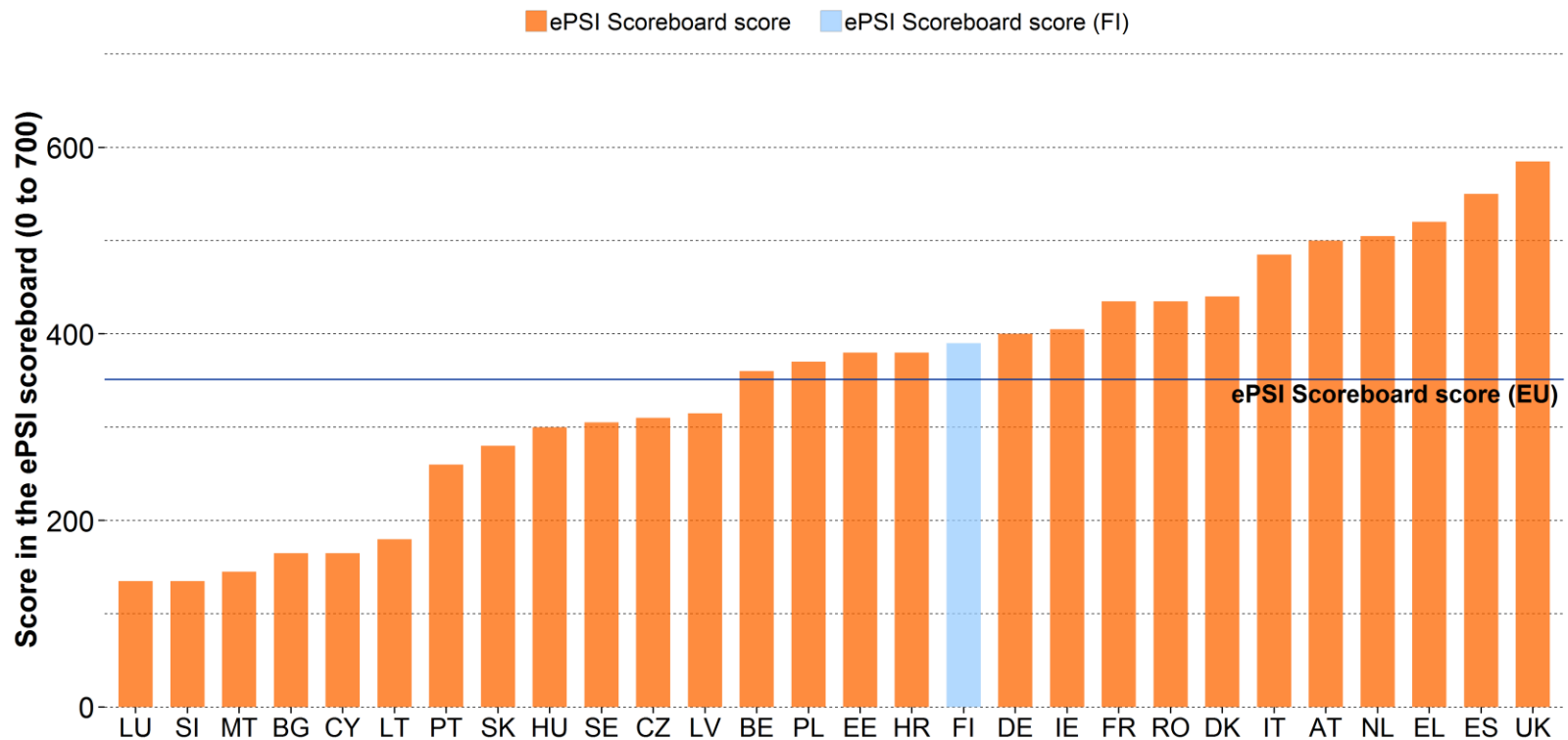


Turnover from eCommerce (2015)



Finland scores 390 out of 700 in the European Public Sector Information scoreboard, against an overall score of 351 out of 700 for the European Union.

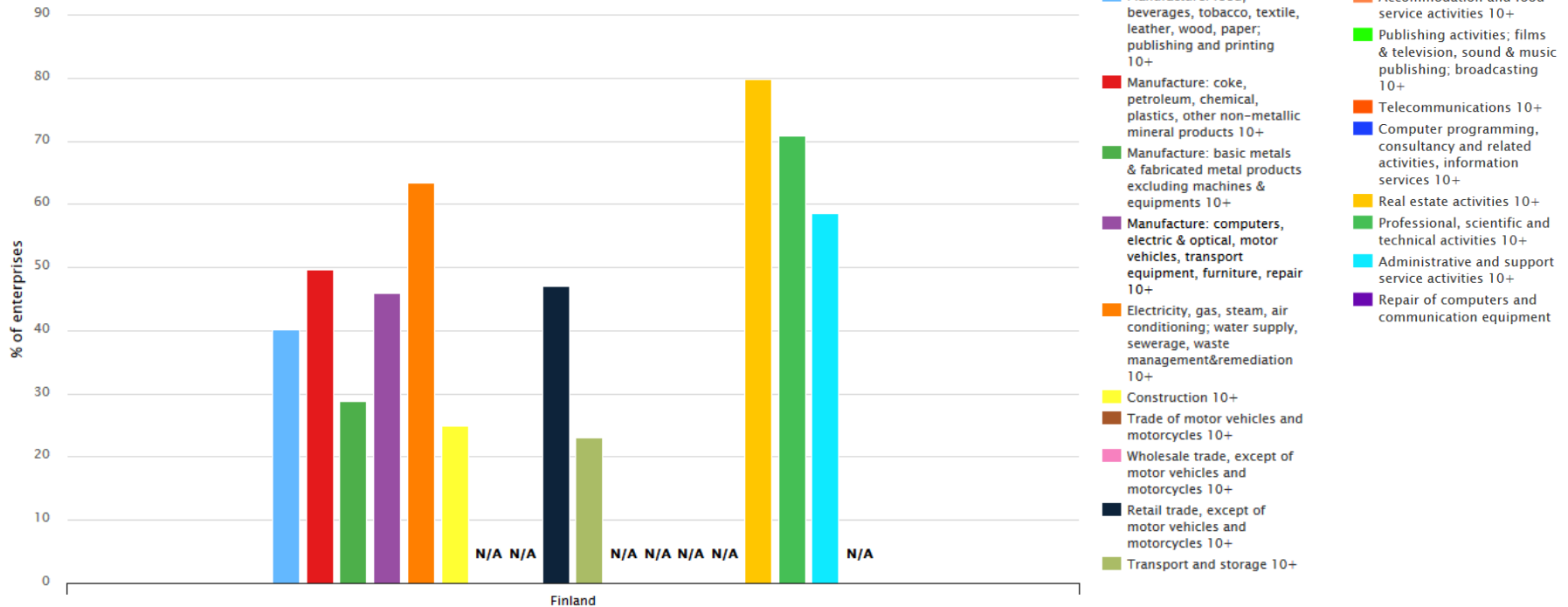
Open Data (2015)



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

Enterprises with High levels of Digital Intensity, by Economic sectors (17 Nace groups)

Year:2016



Legend

- 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 & equipments 10+
- Manufacture: computers, electric & optical, motor vehicles, transport equipment, furniture, repair 10+
- Electricity, gas, steam, air conditioning; water supply, sewerage, waste management & remediation 10+
- Construction 10+
- Trade of motor vehicles and motorcycles 10+
- Wholesale trade, except of motor vehicles and motorcycles 10+
- Retail trade, except of motor vehicles and motorcycles 10+
- Transport and storage 10+
- Accommodation and food service activities 10+
- Publishing activities; films & television, sound & music publishing; broadcasting 10+
- Telecommunications 10+
- Computer programming, consultancy and related activities, information services 10+
- Real estate activities 10+
- Professional, scientific and technical activities 10+
- Administrative and support service activities 10+
- Repair of computers and communication equipment

Sectors where more 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: computers, electric & optical, motor vehicles, transport equipment, furniture, repair 10+
- Electricity, gas, steam, air conditioning; water supply, sewerage, waste management & remediation
- Retail trade, except of motor vehicles and motorcycles 10+
- Administrative and support service activities 10+
- Trade of motor vehicles and motorcycles 10+
- Wholesale trade, except of motor vehicles and motorcycles 10+
- Accommodation and food service activities 10+
- Real estate activities 10+
- Professional, scientific and technical activities 10+
- Repair of computers and communication equipment

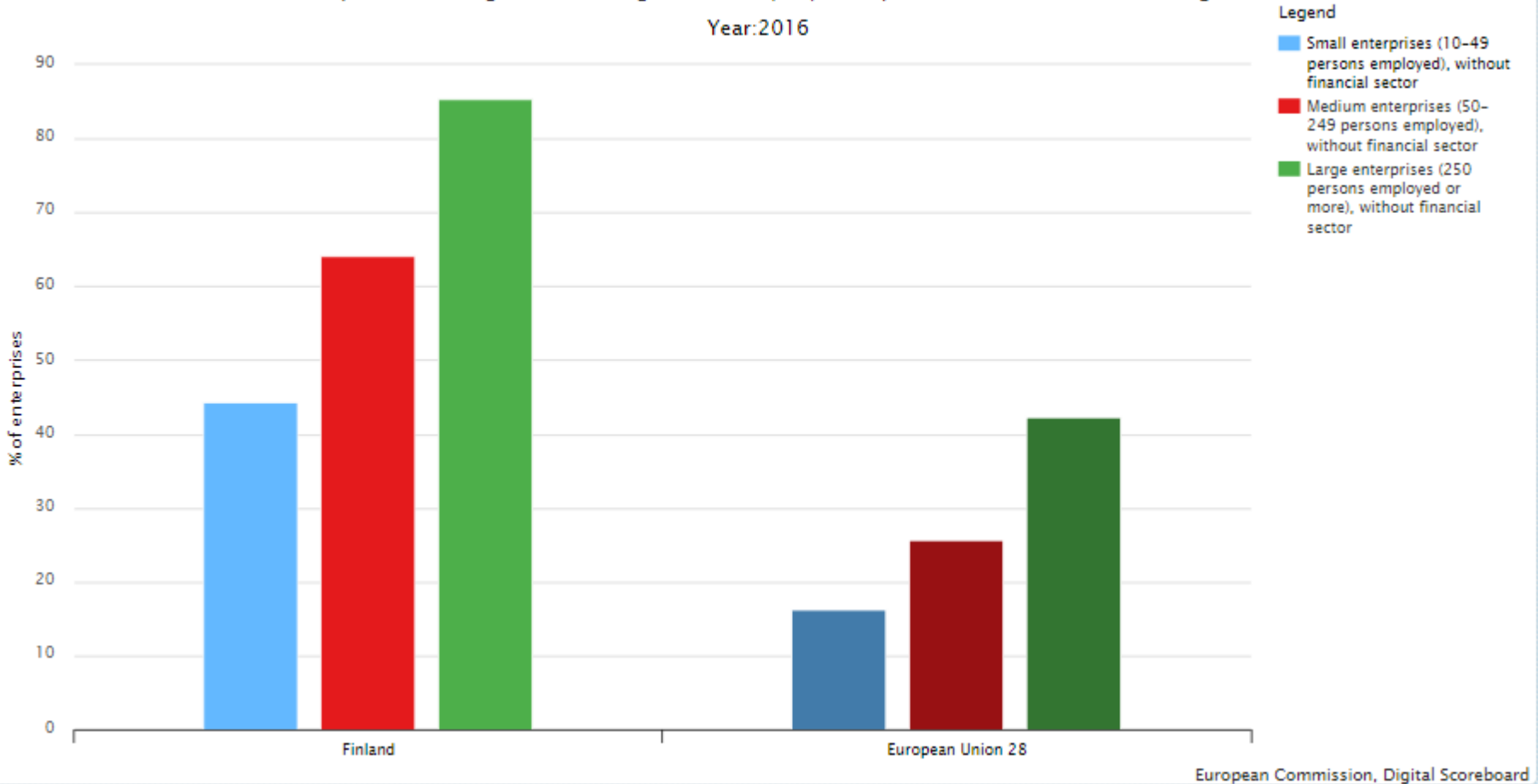
Sectors where less than 30% of the companies have a high level of digital intensity:

- Manufacture: basic metals & fabricated metal products excluding machines & equipment 10+
- Construction 10+
- Transport and storage 10+

[http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-reakdowns#chart={%22indicator%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:\[%22FI%22\]}](http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-reakdowns#chart={%22indicator%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:[%22FI%22]})

Enterprises with high levels of digital intensity, by Enterprise size

Enterprises with High Levels of Digital Intensity, by Enterprise size (Small, Medium, Large)
Year: 2016



European Commission, Digital Scoreboard

[http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={"indicator-group":"ebusiness","indicator":"e di hivhi","breakdown-group":"byENTsize s m l","unit-measure":"pc ent","time-period":"2016","ref-area":\["EU28","FI"\]}](http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={)

Digital Innovation Hubs Catalogue

The Finland case

European Commission



SMART SPECIALISATION PLATFORM



European Commission / Smart Specialisation Platform / Tools / Digital Innovation Hubs

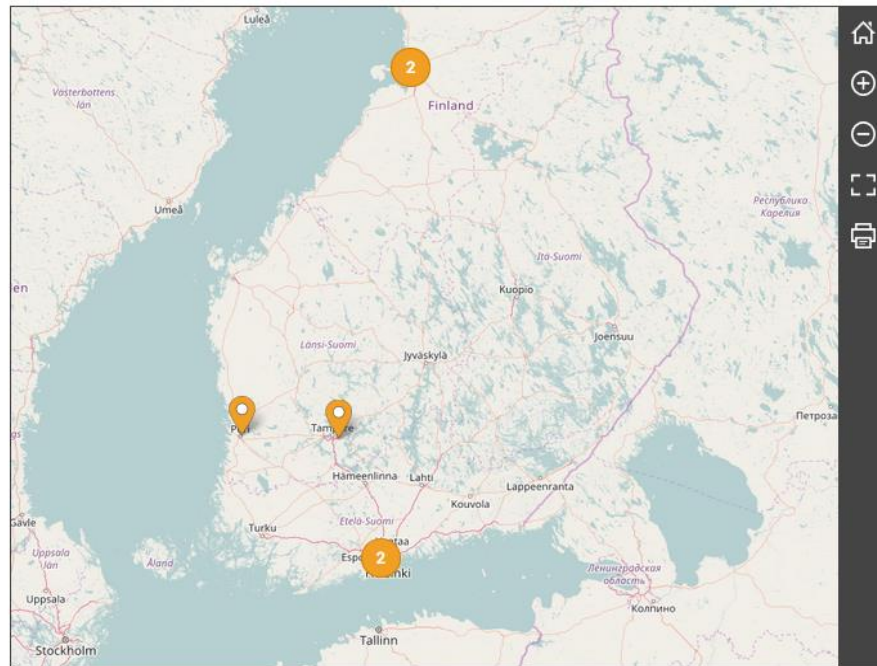
Home S3 Platform Sections Tools News Events Knowledge Repository

Search

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

Digital Innovation Hubs



Search
FINLAND

Technical Competences
None selected

Services Provided
None selected

Focus on TRL
None selected

Market sectors
None selected

- Select all
- Agriculture, hunting and forestry
 - Fishing
 - Mining and quarrying
 - Electricity, gas and water supply
 - Construction
 - Wholesale and retail trade
 - Hotels and restaurants
 - Transport, storage and communication
 - Financial intermediation
 - Real estate, renting and business activities
 - Public administration and defence

Leaflet | © OpenStreetMap contributors | Disclaimer

Export Hubs to csv

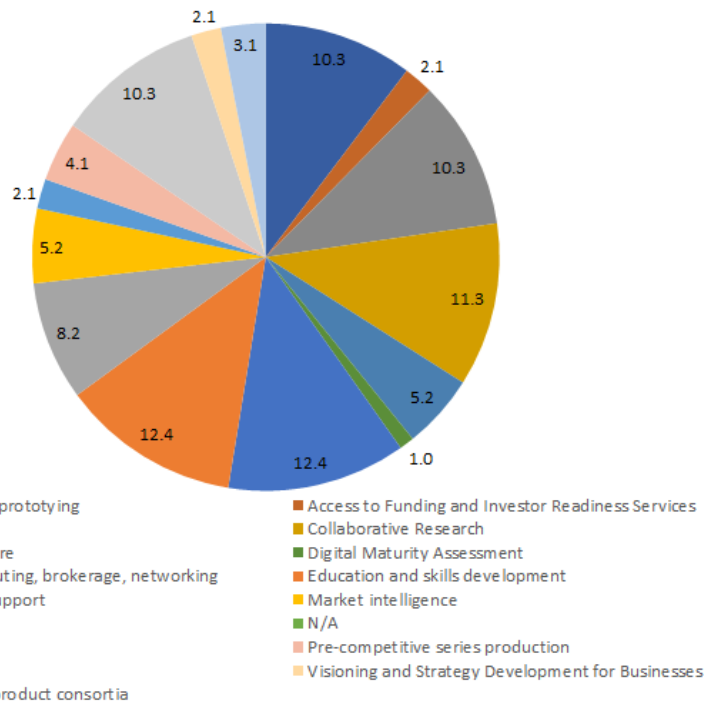
Hub Name	Location	Country	Contact	Phone	Email	Website
Global Alliance for Media Innovation (GAMI)	72 rue d'Hauteville, 75010, Paris	France	Stephen Fozard	+33676814052	✉	🌐
Goog Life for Finland	Vuorimiehentie 3, 2044	Finland	Jari Ahola	+358401842285	✉	
Industrial Digital Platforms DIH	Maarintie 6, 02150, Espoo	Finland	Marko Turpeinen	+358-50-5979031	✉	🌐

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

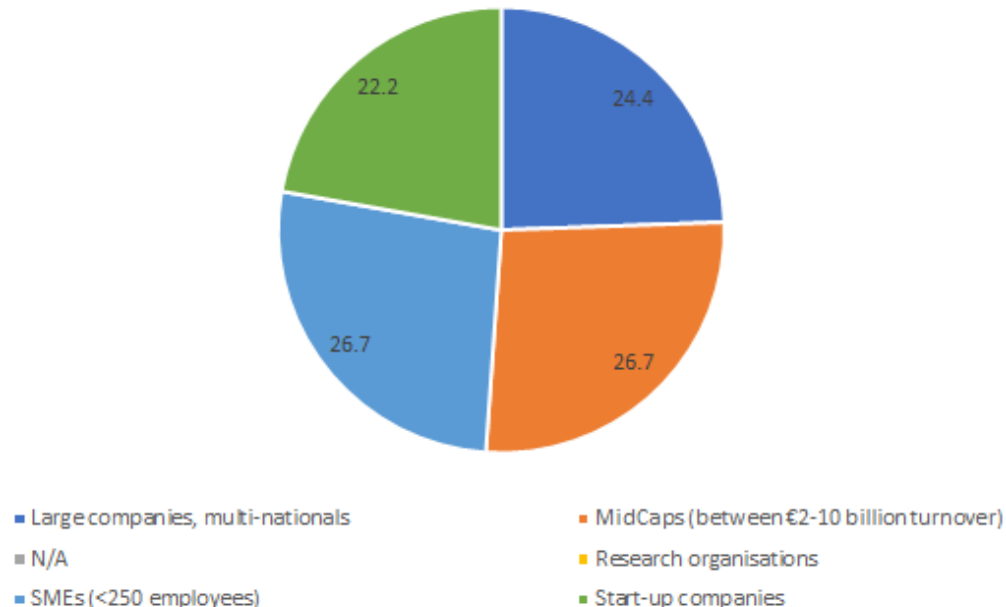
JRC-B3-DIH@ec.europa.eu

Services provided and types of customers supported by DIHs in Finland - 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 Finland 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?
FoF-09-2015	ReconCell	36	31/10/2018	INNOVAATION OY UUSI TEHDAS	PARTICIPANT	HERMIA	PRIVATE	No
FOF-12-2017	MIDIH	36		Teknologian tutkimuskeskus VTT Oy	PARTICIPANT	VTT	PRIVATE	Yes
FOF-12-2017	L4MS	42		Teknologian tutkimuskeskus VTT Oy	COORDINATOR	VTT	PRIVATE	Yes
FOF-12-2017	L4MS	42		KINE ROBOT SOLUTIONS OY	PARTICIPANT	KINE	PRIVATE	No
FOF-12-2017	L4MS	42		VISUAL COMPONENTS OY	PARTICIPANT	VIS	PRIVATE	No
FOF-12-2017	L4MS	42		HERMIA YRITYSKEHITYS OY	PARTICIPANT	HBD	PRIVATE	No
FOF-12-2017	AMable	48		Teknologian tutkimuskeskus VTT Oy	PARTICIPANT	VTT	PRIVATE	Yes
ICT-02-2014	GateOne	36	31/12/2017	TEKNOLOGIAN TUTKIMUSKESKUS VTT	PARTICIPANT	VTT	PUBLIC	Yes
ICT-04-2017	TETRAMAX	48	31/08/2021	TTY-SAATIO	PARTICIPANT	TUT	PRIVATE	Yes
ICT-04-2017	SmartEEs	36	13/09/2020	Teknologian tutkimuskeskus VTT Oy	PARTICIPANT	VTT	PRIVATE	Yes



Competence centers/DIHs funded by EU projects in Finland 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
609355	APPOLO	48	01-Sep-2013	31-Aug-2017	36	LUT	LAPPEENRANNAN TEKNILLINEN YLIOPISTO	Participant	HES
288881	COLAE	36	01-Sep-2011	31-Aug-2014	19	VTT	TEKNOLOGIAN TUTKIMUSKESKUS VTT	Participant	REC
288881	COLAE	36	01-Sep-2011	31-Aug-2014	19	VTT Oy	Teknologian tutkimuskeskus VTT Oy	Coordinator	REC
619205	ACTPHAST	48	01-Nov-2013	31-Oct-2017	24	UEF	ITA-SUOMEN YLIOPISTO	Participant	HES
619205	ACTPHAST	48	01-Nov-2013	31-Oct-2017	24	VTT	TEKNOLOGIAN TUTKIMUSKESKUS VTT	Participant	REC
619205	ACTPHAST	48	01-Nov-2013	31-Oct-2017	24	Teknologian tutkimuskeskus VTT Oy	Teknologian tutkimuskeskus VTT Oy	Participant	REC
632860	I3H	30	01-Jul-2014	31-Dec-2016	9	AALTO	AALTO-KORKEAKOULUSAATIO	Participant	HES



Cluster Organisations Mapping Tool

Welcome on the ECCP cluster organisations mapping tool. This tool maps cluster organisations registered on the [ECCP](#) platform and shows also data from the [European Cluster Observatory](#).

Keywords search

Enter keywords here... Clear Selected list

Country & Regions

Country
Finland

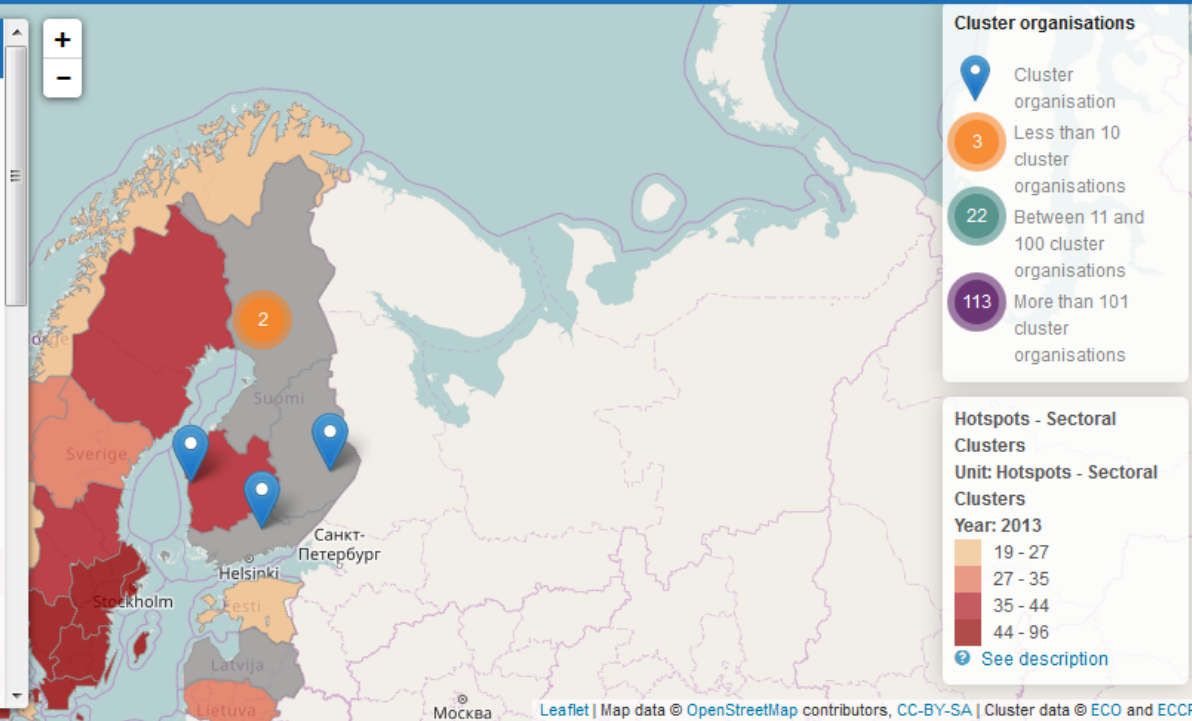
Region
All regions

Cluster Organisations

Sectoral Industries
All sectors

Emerging industries
All emerging industri

Technology fields



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

Please see [WG1 report](#)

The screenshot shows the 'GROWTH' portal interface. At the top, it says 'GROWTH Internal Market, Industry, Entrepreneurship and SMEs'. Below this is a navigation bar with tabs for 'Single Market and Standards', 'Industry' (selected), 'Entrepreneurship and SMEs', 'Access to finance for SMEs', and 'Sectors'. A search bar is located below the navigation bar.

On the left side, there is a 'KETs Tools' sidebar with a menu including 'KETs Observatory', 'KETs Technology Centres' (selected), 'KETs TGA Mapping', 'Contacts', 'Help', and 'Login'. Below this is an 'Industry - links' sidebar with a menu including 'News', 'Events', 'Tools and Databases', 'Contracts and grants', 'Public consultations', and 'Publications'.

The main content area is titled 'SMEs' Access to Key Enabling Technologies'. It contains the following text:

What is the objective of the map below?
 To allow SMEs, wherever located in Europe, to find **Technology Centres** which can help to **Innovate through Key Enabling Technologies (KETs)**.

The Technology centres are selected according to criteria demonstrating their capacity to collaborate with SMEs on close-to-market research and innovation (Technology Readiness Levels 3 to 8, not necessarily the whole range).

How to use the map?
 Filters at the right-side of the map allow to refine the search.

More details, including the SME contact person, can be seen by clicking on the marker for each centre.

Below the text is a map of Europe with a blue pin in Finland and two green pins in Estonia. The map has zoom in (+) and zoom out (-) buttons. Above the map are 'Map' and 'List' buttons.

On the right side, there is a 'Filters' sidebar with a 'Countries' dropdown menu. The 'Select All' option is selected. The list of countries includes: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland (checked), France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, and Spain.

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



European Commission

eit Digital Co-Location Centre in Helsinki



Home

Innovation & Entrepreneurship

EIT Digital Academy

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Newsroom



[Home](#) / [About us](#) / [Locations](#) / [Helsinki Node](#)

About us

Overview

Action Lines

Locations

Brussels Head Office

Berlin Node

Budapest Node

Eindhoven Node

Helsinki Node

Helsinki Node

Our Co-location Centre is situated on the Aalto University campus at Open Innovation House, which is a lively place for students, entrepreneurs, researchers and industry to meet.

The three core partners of the Helsinki Node are **Aalto University, Nokia, and VTT Technical Research Centre of Finland**. Eleven affiliated partners include universities and research institutes, and other key actors of the Finnish ICT innovation system. The broadening of industry partnership is of high relevance for the Helsinki Node.



<https://www.eitdigital.eu/about-us/locations/helsinki-node/>

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

Pilot Lines in Nanotechnology and Advanced Materials



European
Commission

Project Number	Project Acronym	Project Title	Project Start Date	Project End Date	Participant Legal Name	Participant Short Name	Sectors	Pilot line
646142	NanoPilot	A Pilot Plant for the Production of Polymer based Nanopharmaceuticals in Compliance with GMP	01/01/2015	31/12/2018	SPINVERSE INNOVATION MANAGEMENT OY	SPINVERSE OY		
685872	MOZART	Mesoporous matrices for localized pH-triggered release of the therapeutic ions and drugs	01/11/2015	31/10/2019	DELSITECH OY	Delsitech Oy	Healthcare sector (Bone healing and wound healing applications)	Payload incorporation-will lead to optimise the process for each type of nanomaterials and the scaling-up phase.
685909	SKHINCAPS	SKin Healthcare by Innovative NanoCAPSules	01/10/2015	30/09/2019	Teknologian tutkimuskeskus VTT Oy	VTT		
686141	PEPTICAPS	Design of polyPEPTIDES diblock copolymers as emulsifiers to produce safe, controlled and reliable novel stimuli-responsive nanoCAPSules for skin care applications	05/10/2015	04/10/2018	SPINVERSE INNOVATION MANAGEMENT OY	SPV		

Planned investments, allocated resources, in Finland, 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: Finland

View a different country

Finances: Planned

Finances: Implemented

EU Payments

Achievements

Programmes

Finland, through 6 national programmes, benefits from ESIF funding of EUR 3.8 billion. This represents an average of 690 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 Finland 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 Finland.

Total EU National

Country Budget for 2014-2020:

€8 423 591 431

FINANCES: PLANNED

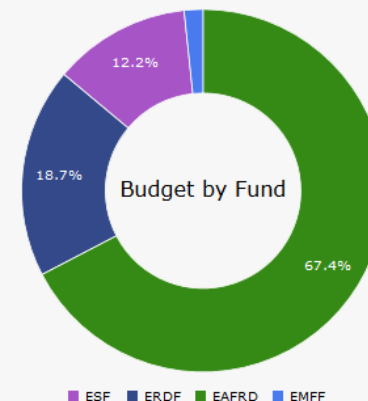
Total

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): Finland, EUR

Explore and Share this Data



Refresh Date: 21/8/2017