

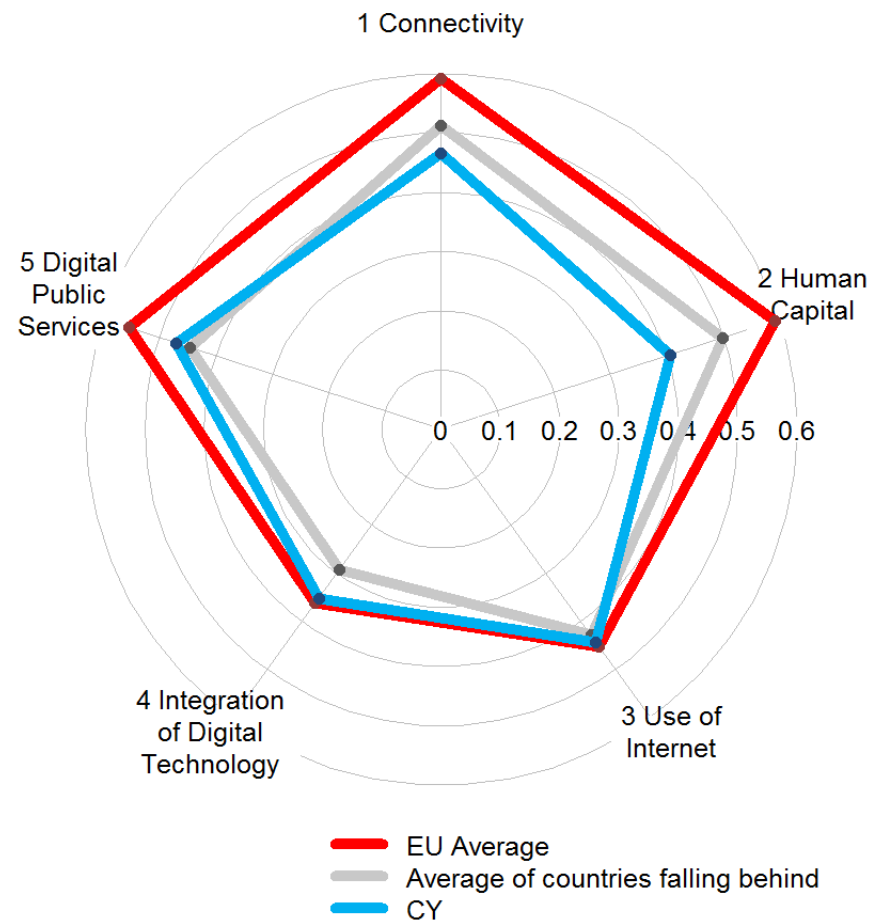


- Cyprus' national strategies for digitising industry pg 3
- Cyprus' performance in the DESI 2016 pg 4-11
- Level of Digital Intensity in Cyprian enterprises by sector and size pg 12-13
- Digital Innovation Hubs Catalogue, the Cyprus case pg 14
- Services provided and types of customers supported by DIHs in Cyprus – Analysis pg 15
- DIHs and Competence centres funded by EU projects in Cyprus in FP7 & H2020 pg 16-17
- Clusters and KETs in Cyprus pg 18-19
- eit Digital Co-Location Centres pg 20
- Pilot Lines in Nanotechnology and Advanced Materials pg 21
- Planned investments, allocated resources, in Cyprus, in relation to European Regional Development Funds in categories relevant for Digital Innovation Hubs pg 22

## Cyprus has a national policy initiative on digitising industry under preparation

- The initiative is supported by the Ministry of Energy, Commerce, Industry and Tourism working together with the Cyprus Chamber of Commerce of Industry (CCCI) and the Cyprus Employers & Industrialists Federation (OEB).
- The **objective** is to increase the industry's productivity, innovation, exports and contribute to the country's Gross Domestic Product.
- **Tax incentives** for investing in **innovative SMEs** already in place (new amending law was approved in December 2016 and provides incentives to individuals to invest in innovative SMEs including start-ups).
  - Under consideration: Tax incentives on R&D&I activities & expenditure

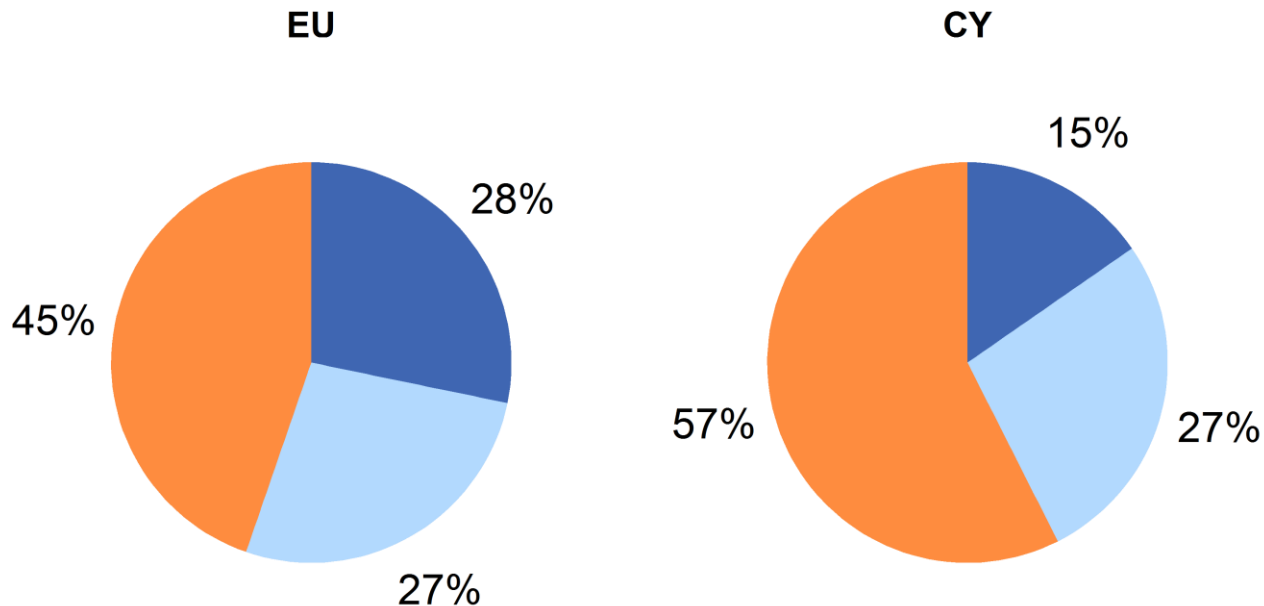
**Cyprus ranks 23 among EU countries.  
It is part of the group of countries that are falling behind.**



**In Cyprus 27% of citizens have basic digital skills (27% in the EU) and 15% have above basic digital skills (28% in the EU).**

## Digital Skills (2015)

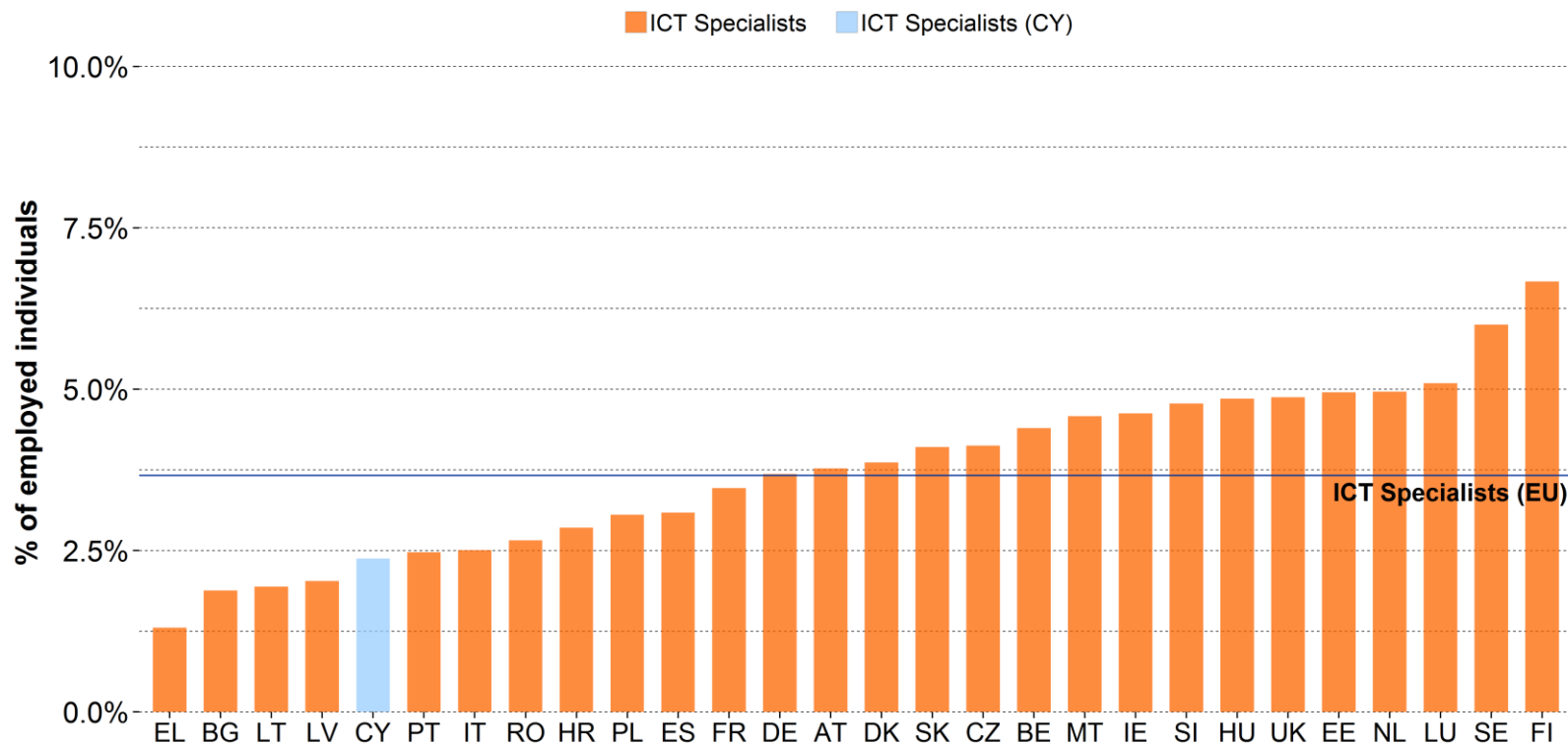
■ Above basic digital skills   ■ Basic digital skills   ■ Low or no digital skills, or do not use the internet



% of individuals

In Cyprus ICT Specialists account for 2.4% of the workforce (3.7% in the EU).

## ICT Specialists in the workforce (2014)

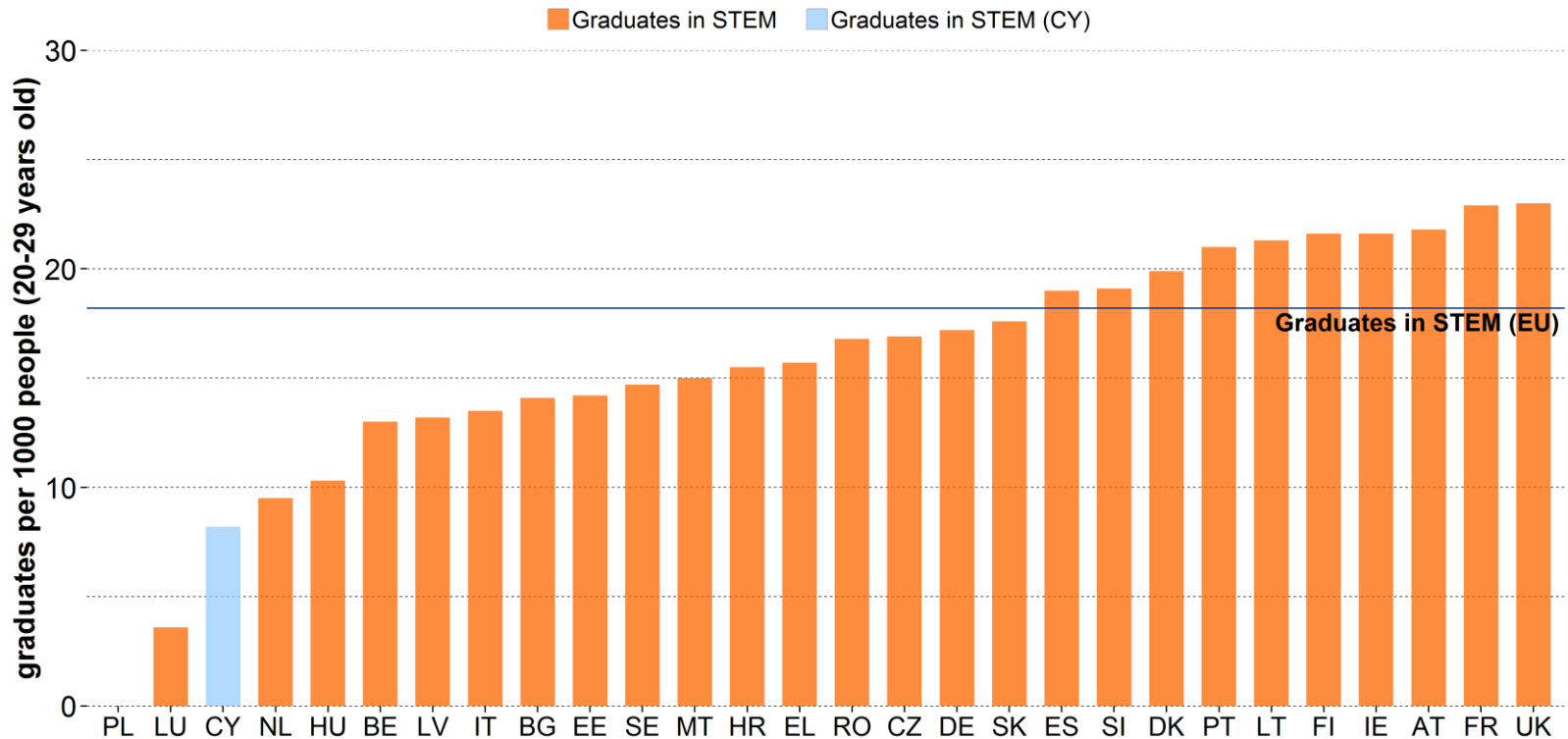


# Human Capital: Graduates in STEM (Science, Technology and Mathematics)

European  
Commission

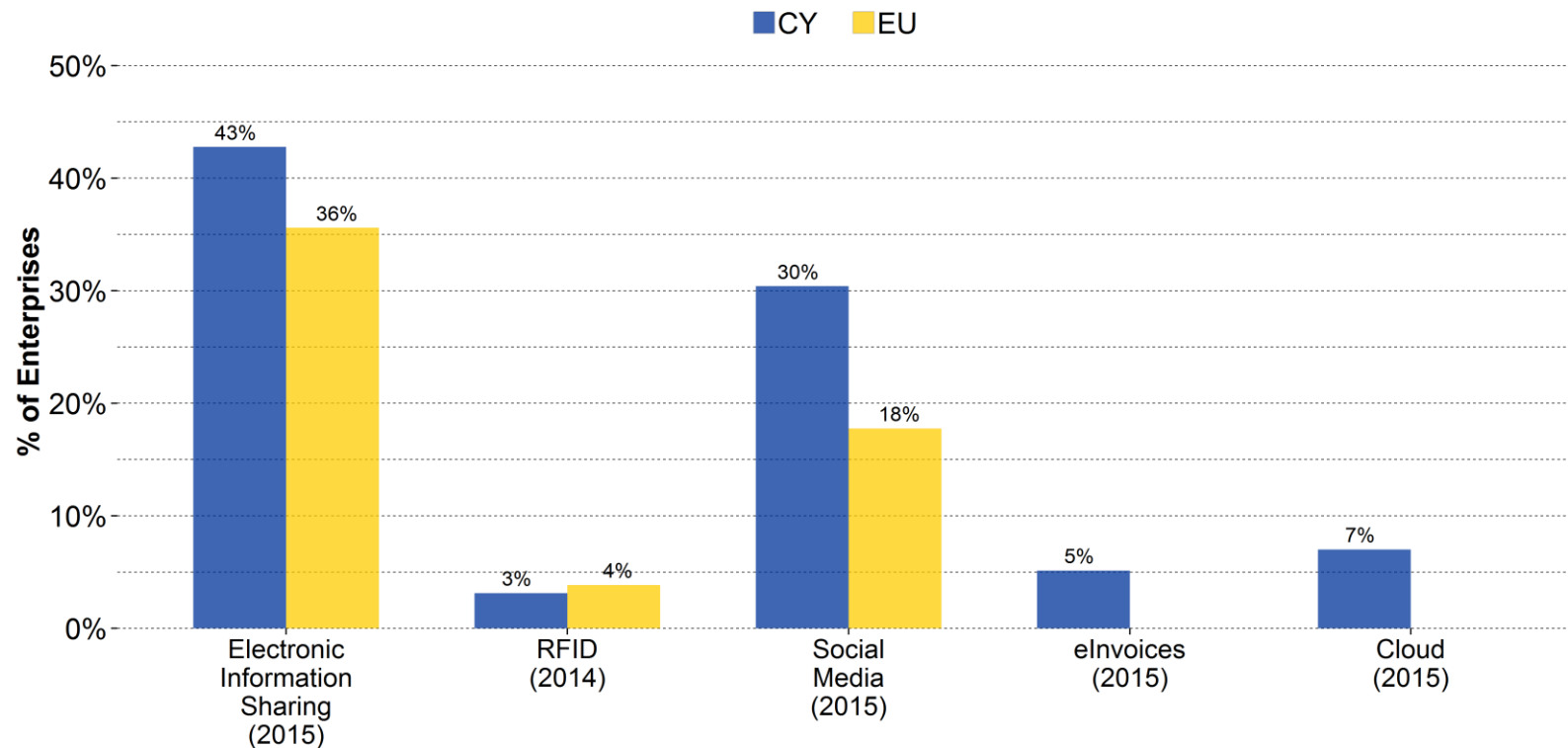
**Cyprus has 8.2 graduates in STEM per each 1000 people aged  
20-29 years old (18 in the EU).**

## Graduates in Science, Technology and Mathematics (2013)



**Businesses in Cyprus 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

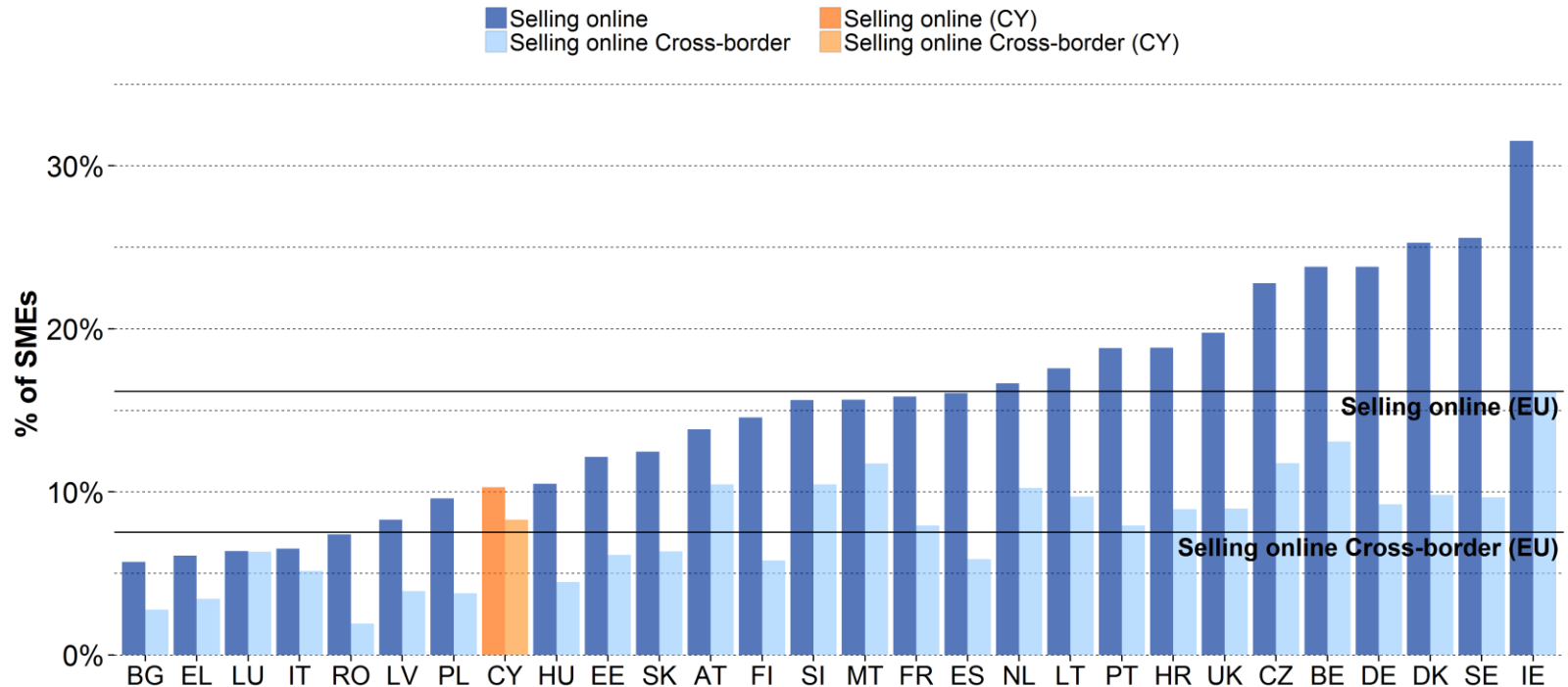




**In Cyprus 10% of SMEs sell online (16% in the EU).**

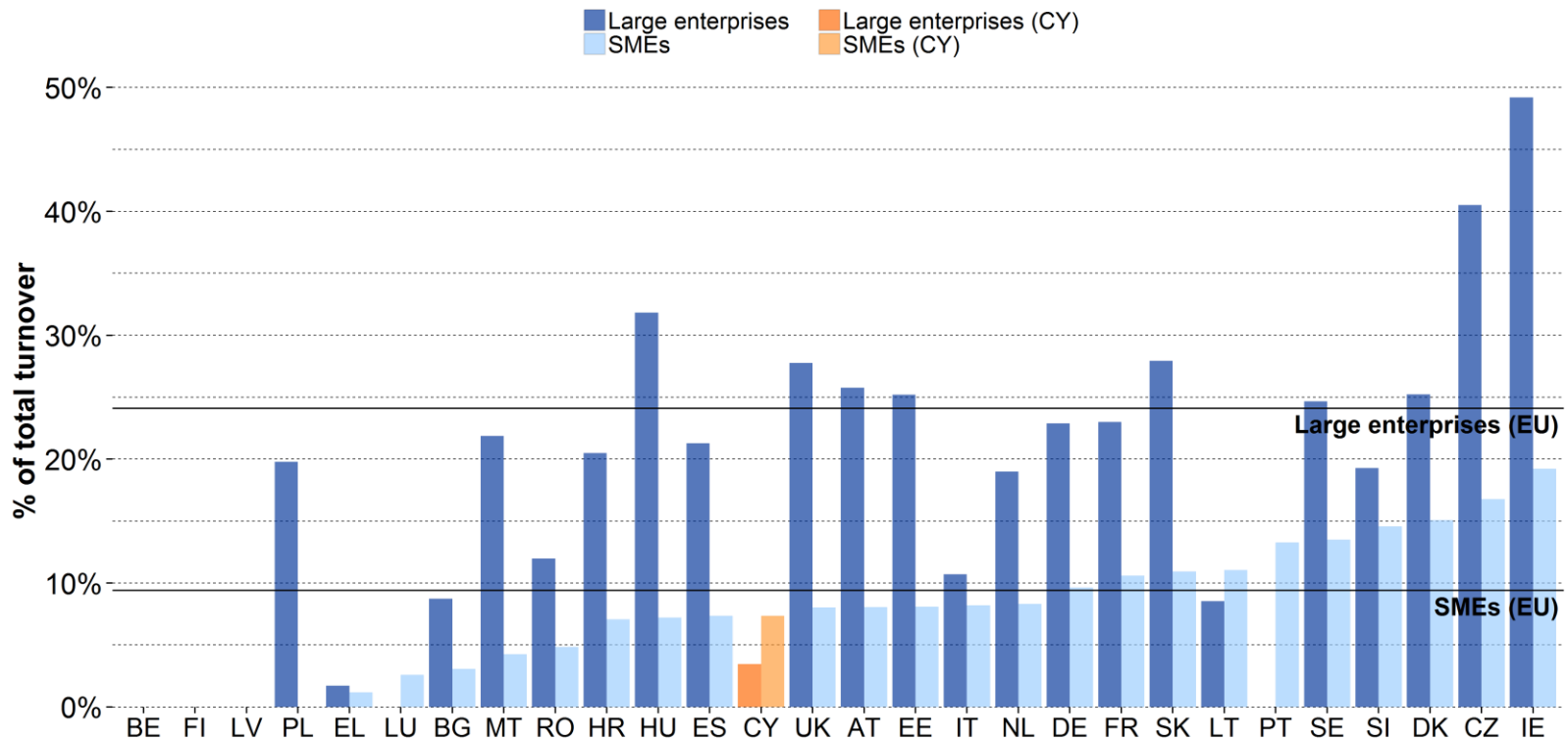
**8.3% of Cypriot SMEs sell online to other EU countries (7.5% in the EU).**

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



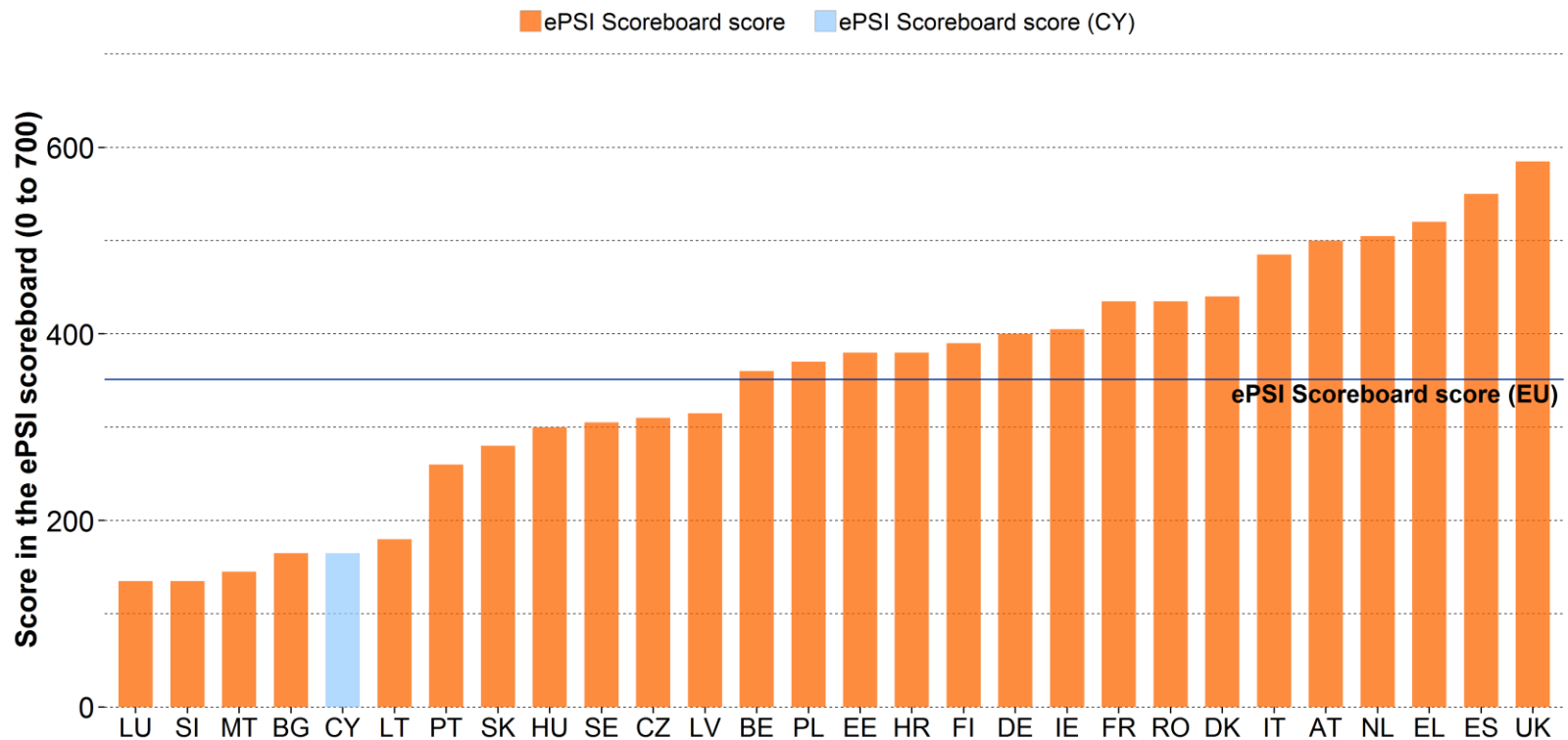
**SMEs in Cyprus obtain on average 7.3% of their turnover from eCommerce (9.4% in the EU). Large enterprises derive on average 3.5% of their turnover from eCommerce (24% in the EU).**

## Turnover from eCommerce (2015)



**Cyprus scores 165 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)



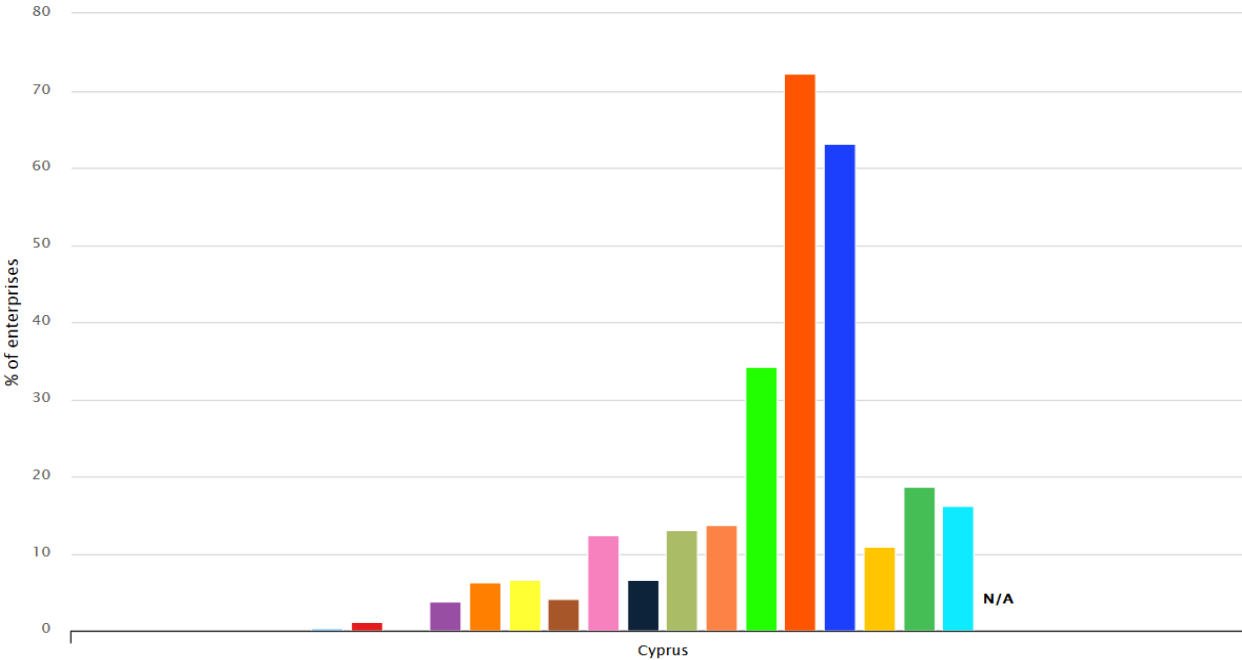
# Enterprises with high level of Digital Intensity by economic sectors in Cyprus

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 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+
- Accommodation and food service activities 10+
- Real estate activities 10+
- Administrative and support service activities 10+
- Professional, scientific and technical activities 10+
- Trade of motor vehicles and motorcycles 10+
- Wholesale trade, except of motor vehicles and motorcycles 10+
- Repair of computers and communication equipment

**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+

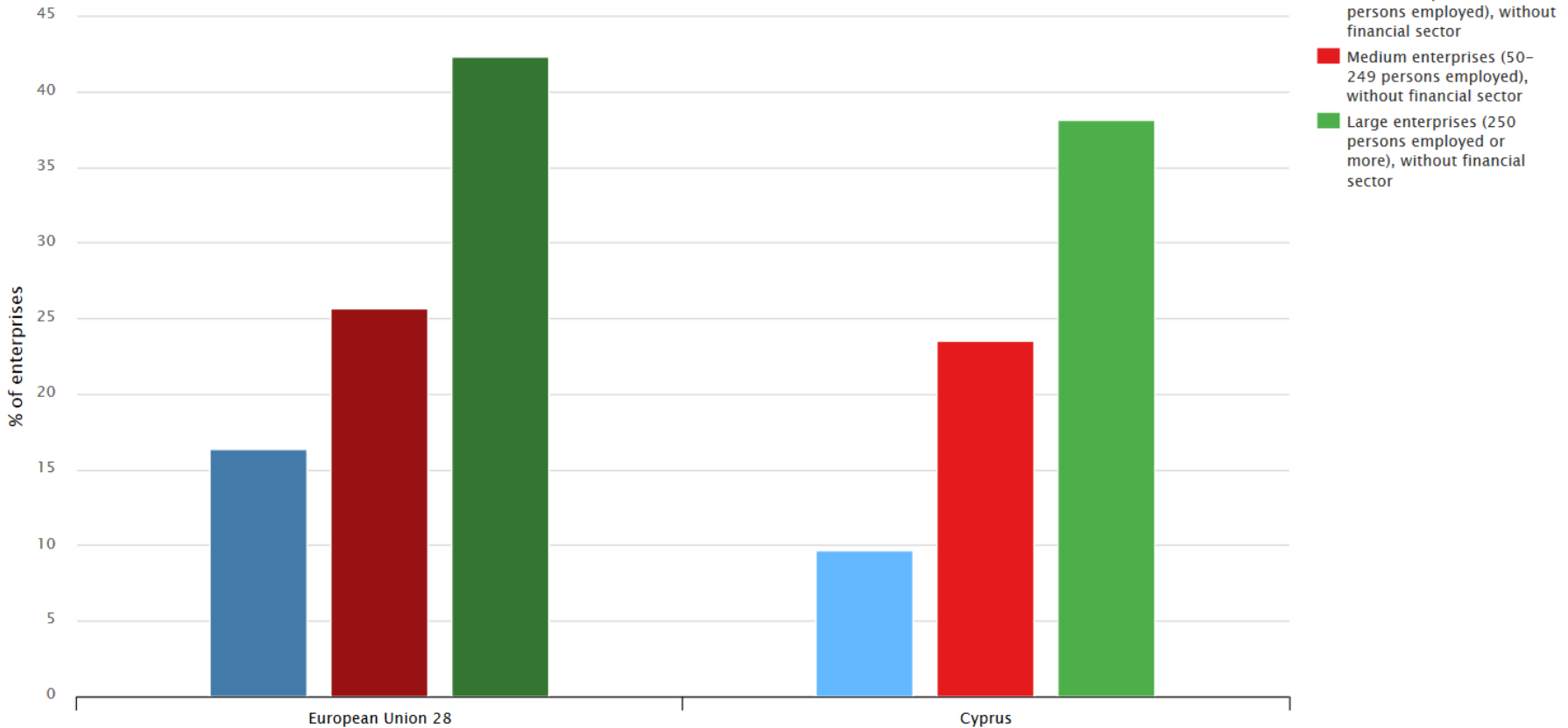
[http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={%22indicator-group%22:%22ebusiness%22,%22indicator%22:%22e\\_di\\_hivhi%22,%22breakdown-group%22:%22econsector%22,%22unit-measure%22:%22pc\\_ent%22,%22time-period%22:%222016%22,%22ref-area%22:\[%22CY%22\]}](http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-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:[%22CY%22]})

# Enterprises with high levels of digital intensity, by Enterprise size

European  
Commission

Enterprises with High levels of Digital Intensity, by Enterprise size (Small, Medium, Large)

Year:2016



[http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={%22indicator-group%22:%22business%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:\[%22CY%22,%22EU28%22\]}](http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={%22indicator-group%22:%22business%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:[%22CY%22,%22EU28%22]})

# Digital Innovation Hubs Catalogue

## The Cyprus case

European  
Commission



SMART SPECIALISATION PLATFORM



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

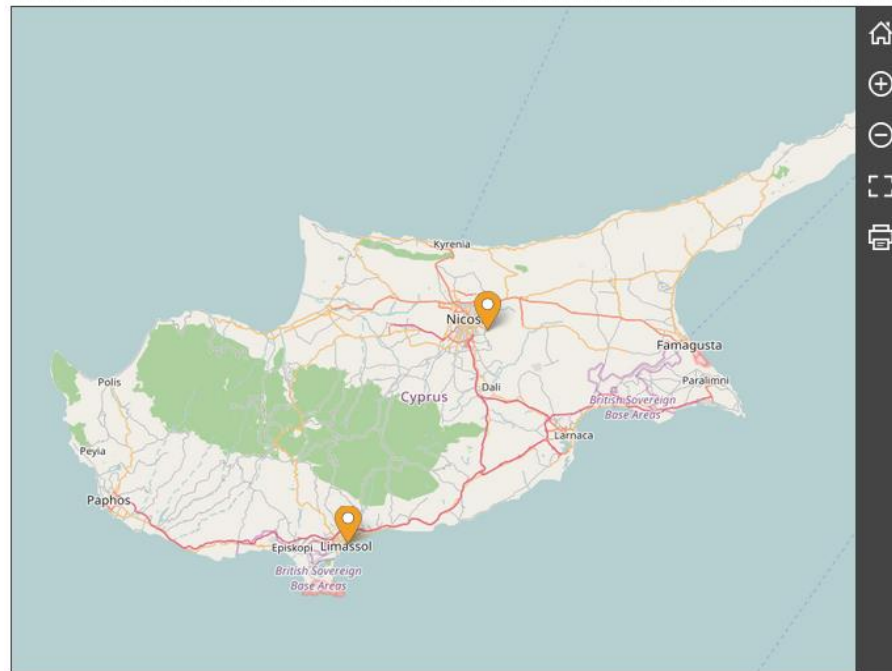
Home S3 Platform Sections Tools News Events Knowledge Repository

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



Leaflet | © OpenStreetMap contributors | Disclaimer

Export Hubs to csv

Search

CYPRUS

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

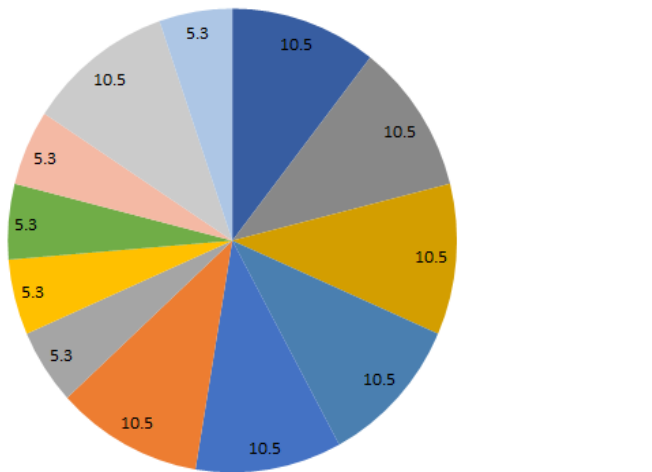
<http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool>

[JRC-B3-DIH@ec.europa.eu](mailto:JRC-B3-DIH@ec.europa.eu)

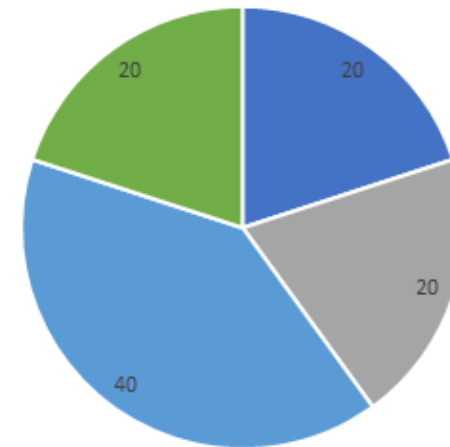
Hub Name	Location	Country	Contact	Phone	Email	Website
Cyprus University of Technology Robotics Control and Decision Systems Competence Center (CUT-RCDS-CC)	Kitiou Kyprianou Str. 45, 3041, Limassol	Cyprus	Dr. Savyas G. Loizou	+357-25002165		
KIOS Innovation Hub (KIH), part of the KIOS Research and Innovation Center of Excellence (KIOS CoE), University of Cyprus (UCY)	University of Cyprus 1 Panepistimiou street, 2109, Nicosia	Cyprus	Dr. Anixi Antonakoudi	(+357) 22893464		

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

## Types of services provided (%)



## Types of customers supported (%)



- Large companies, multi-nationals
- MidCaps (between €2-10 billion turnover)
- N/A
- Research organisations
- SMEs (<250 employees)
- Start-up companies

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 Cyprus 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-12-2017	L4MS	42		ENGINO.NET LTD	PARTICIPANT	ENGINO	PRIVATE	No
FOF-12-2017	L4MS	42		TECHNOLOGIKO PANEPISTIMIO KYPROU	PARTICIPANT	CUT	PUBLIC	Yes
FOF-12-2017	AMable	48		FREDERICK RESEARCH CENTER	PARTICIPANT	FRC	PRIVATE	Yes





# Competence centers/DIHs funded by EU projects in Cyprus 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
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	ALS	ALS MARINE CONSULTANTS LTD	Participant	PRC
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	CUT	TECHNOLOGIKO PANEPISTIMIO KYPROU	Participant	HES
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	HEL	HELIKAS ROBOTICS LTD	Participant	PRC

**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: Cyprus

Region: All regions

**Cluster Organisations**

Sectoral Industries: All sectors

Technology fields: All categories

S3 EU priority areas: All S3 priority areas

Number of staff: Any

ESCP-4i Membership: None

Target countries for international activities

Emerging industries: All emerging industries

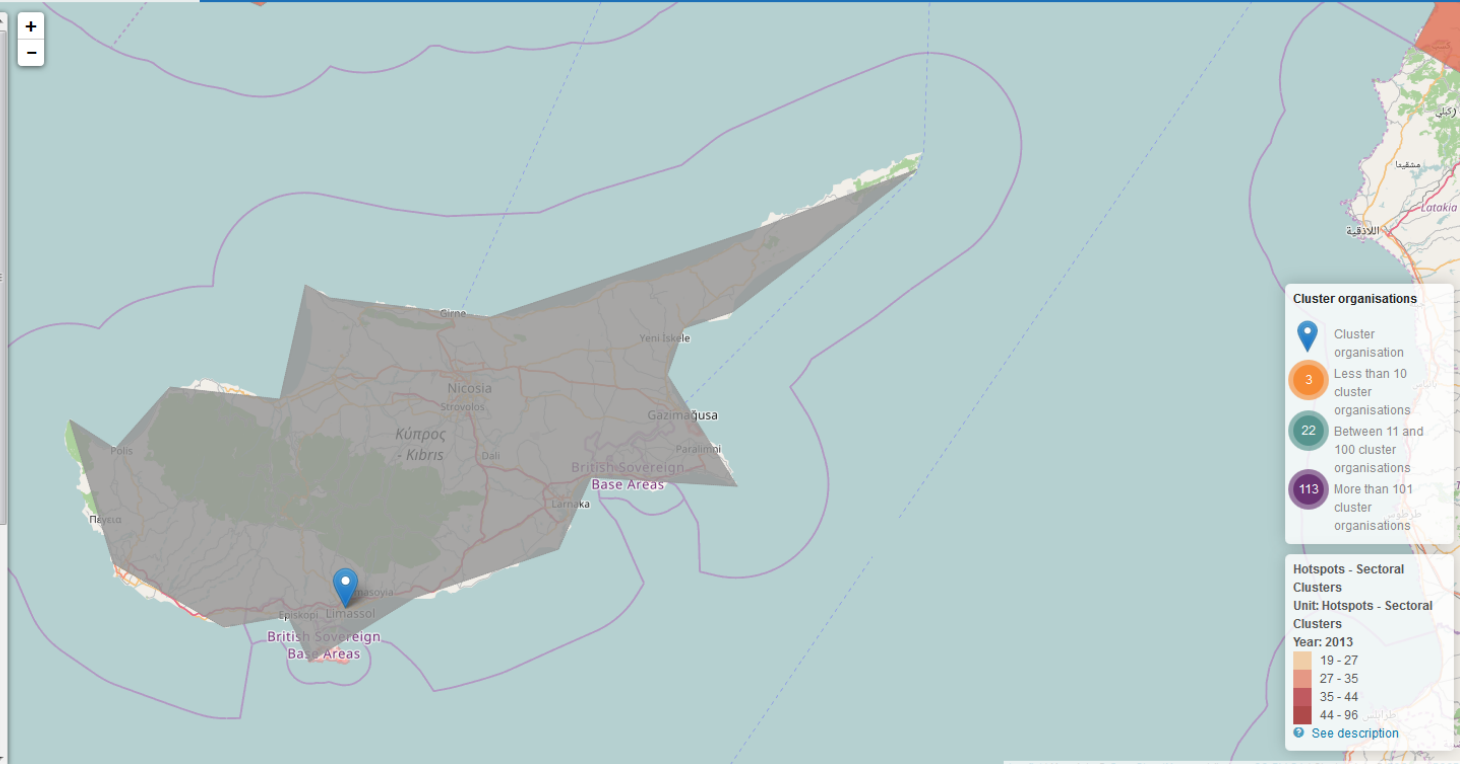
All fields

Participation in EU programmes: Any

Total number of members: Any

Cluster Excellence Label/Award: Any

Target countries for trans-national activities



[https://www.clustercollaboration.eu/print/cluster-list?combine=&country\\_code=cy](https://www.clustercollaboration.eu/print/cluster-list?combine=&country_code=cy)

Please see [WG1 report](#)

**GROWTH**  
Internal Market, Industry, Entrepreneurship and SMEs

European Commission > Growth > KETs Tools > SMEs' Access to Key Enabling Technologies

Single Market and Standards | **Industry** | Entrepreneurship and SMEs | Access to finance for SMEs | Sectors

**KETs Tools**

- KETs Observatory
- KETs Technology Centres**
  - KETs TCs Mapping
  - Contacts
- Help
- Login

**Industry - links**

- News
- Events
- Tools and Databases
- Contracts and grants
- Public consultations
- Publications

**Filters**

- Countries**
  - Select All
  - Austria
  - Belgium
  - Bulgaria
  - Croatia
  - Cyprus
  - Czech Republic
  - Denmark
  - Estonia
  - Finland
  - France
  - Germany
  - Greece
  - Hungary
  - Ireland
  - Italy
  - Latvia
  - Lithuania
  - Luxembourg
  - Malta
  - Netherlands
  - Poland
  - Portugal
  - Romania
  - Slovakia
  - Slovenia
  - Spain
  - Sweden
  - United Kingdom
- Technology Readiness Levels**
- Market sectors**

**SMEs' Access to Key Enabling Technologies**

**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.

There are no result with your selection, please select other filters values.

**What are KETs Technology Centres?**

**KETs** Technology Centres help companies cross the 'Valley of Death', that is to say to **go from lab to market**, for new **KETs**-based products. They help companies reduce the time-to-market for new innovation ideas.

**KETs** Technology Centres are public or private organisations carrying out **applied research and close-to-market innovation** (Technology Readiness Levels TRL 3 to 8, not necessarily the whole range) in Key Enabling Technologies (**KETs**).

Technology Centres typically provide the following services:

- Access to technology expertise and facilities for validation;
- Demonstration;
- Proof of concept / lab testing
- Prototype development and testing;
- Pilot production and demonstration/ pilot lines / pre-series
- Product validation / certification

**What are the criteria for inclusion in the mapping?**

1. **Technology centres have to comply with 3 qualitative criteria**
  - They should **provide services to industry and SMEs**
  - They must **be active in at least one Key Enabling Technology**
  - They should **be active in the higher Technology Readiness Levels (TRL)**, namely have activities in TRL5, TRL6, TRL 7 or

[https://ec.europa.eu/growth/tools-databases/kets-tools/kets-tc/map?field\\_postal\\_address\\_country\[\]=CY](https://ec.europa.eu/growth/tools-databases/kets-tools/kets-tc/map?field_postal_address_country[]=CY)

**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 Cyprus**

# 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
686135	PROCETS	PROtective composite Coatings via Electrodeposition and Thermal Spraying	01/01/2016	30/06/2019	CENTER FOR TECHNOLOGY RESEARCH AND INNOVATION LTD	CETRI		

# Planned investments, allocated resources, in Cyprus, 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: Cyprus

View a different country

Finances: Planned

Finances: Implemented

EU Payments

Achievements

Programmes

Cyprus, through 4 national programmes, benefits from ESIF funding of EUR 874 million. This represents an average of 1 019 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 Cyprus 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 Cyprus.

Total EU National

Country Budget for 2014-2020:

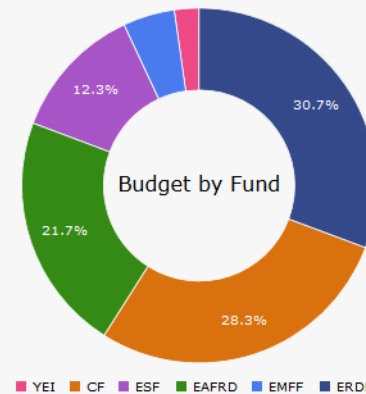
€1 119 998 169

FINANCES: PLANNED

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): Cyprus, EUR

[Explore and Share this Data](#)



Refresh Date: 21/8/2017