

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

## Slovenia



Accompanied by the WG1 Report on Digital Innovation Hubs:

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

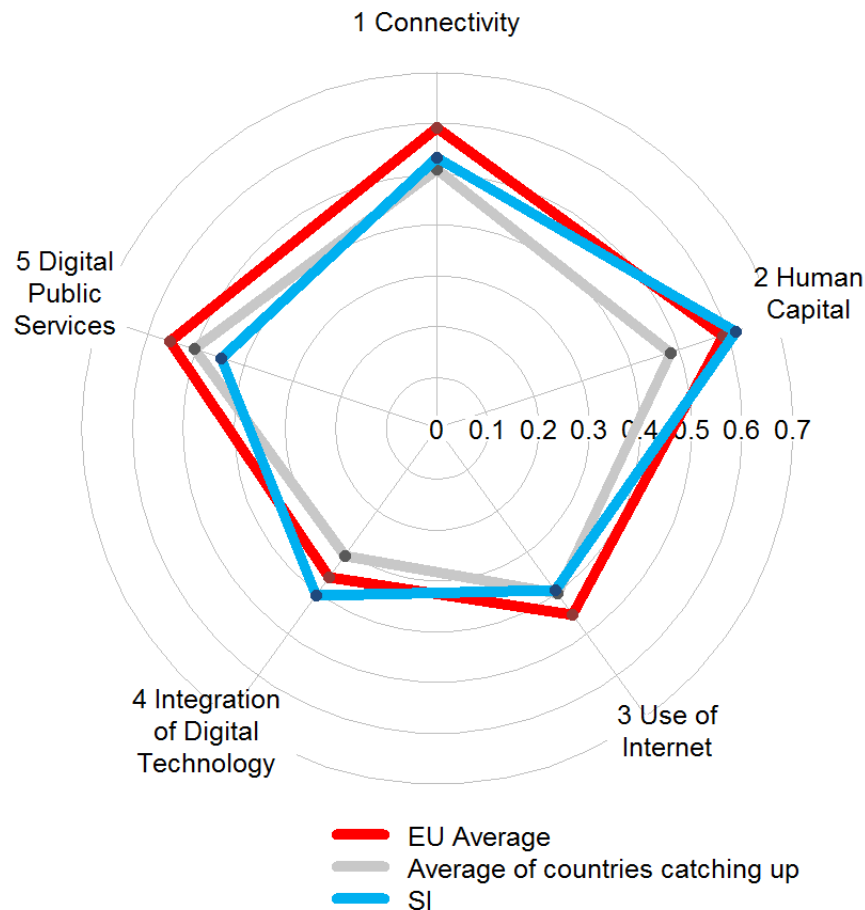
- Slovenia's national strategy for digitising industry pg 3
- Slovenia's performance in the DESI 2016 pg 4-11
- Level of Digital Intensity in Slovenian enterprises by sector and size pg 12-13
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- Planned investments, allocated resources, in Slovenia, in relation to European Regional Development Funds in categories relevant for Digital Innovation Hubs pg 22



- The initiative was launched at the end of the **2016** and was signed by the Prime Minister of the Republic of Slovenia and other representatives of the key national stakeholders.
- It will be guided by a **board** comprising the elected or delegated representatives from all stakeholder groups involved.
- **Objective:** to support national digital transformation with the aim of rendering Slovenia a reference environment for introducing innovative approaches in the use of digital technologies.
- Funding/Budget: Information NA

<http://www.digitalna.si/si/>

**Slovenia ranks 18 among EU countries.  
It is part of the group of countries that are catching up.**



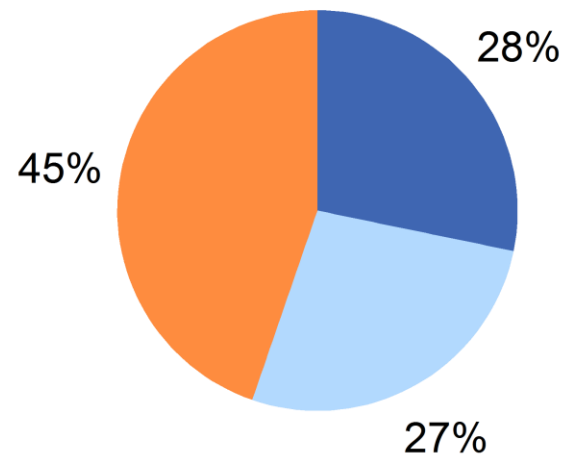
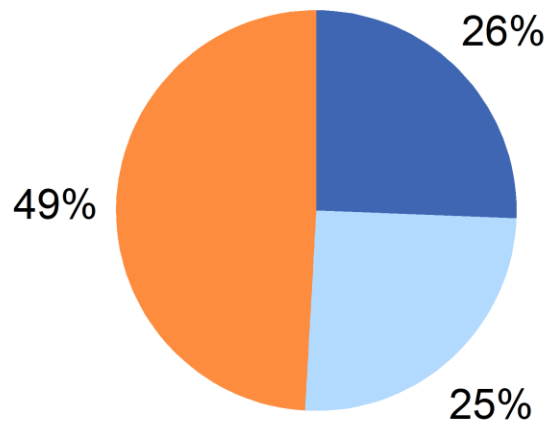
**In Slovenia 25% of citizens have basic digital skills (27% in the EU) and 26% have above basic digital skills (28% in the EU).**

## Digital Skills (2015)

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

SI

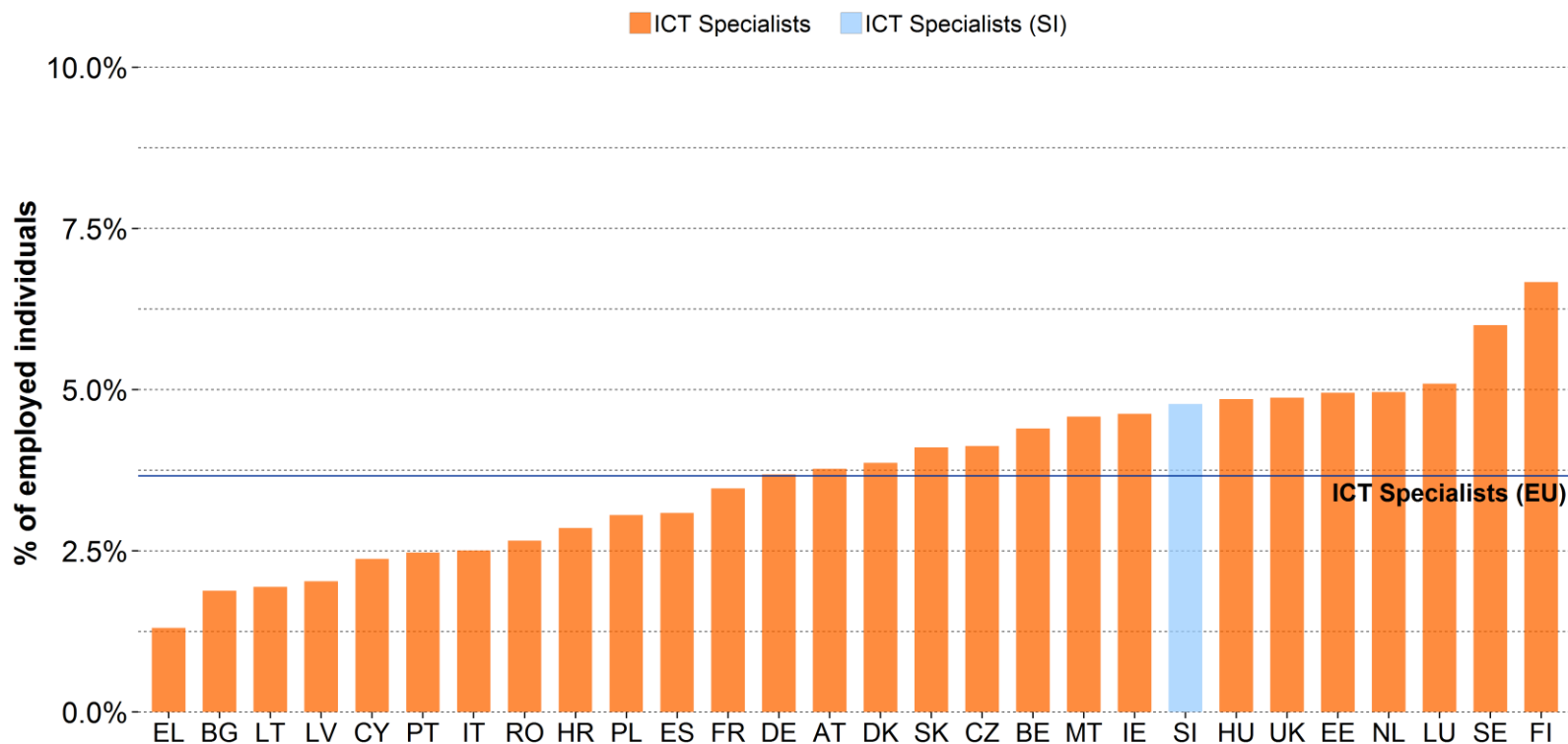
EU



% of individuals

In Slovenia ICT Specialists account for 4.8% of the workforce (3.7% in the EU).

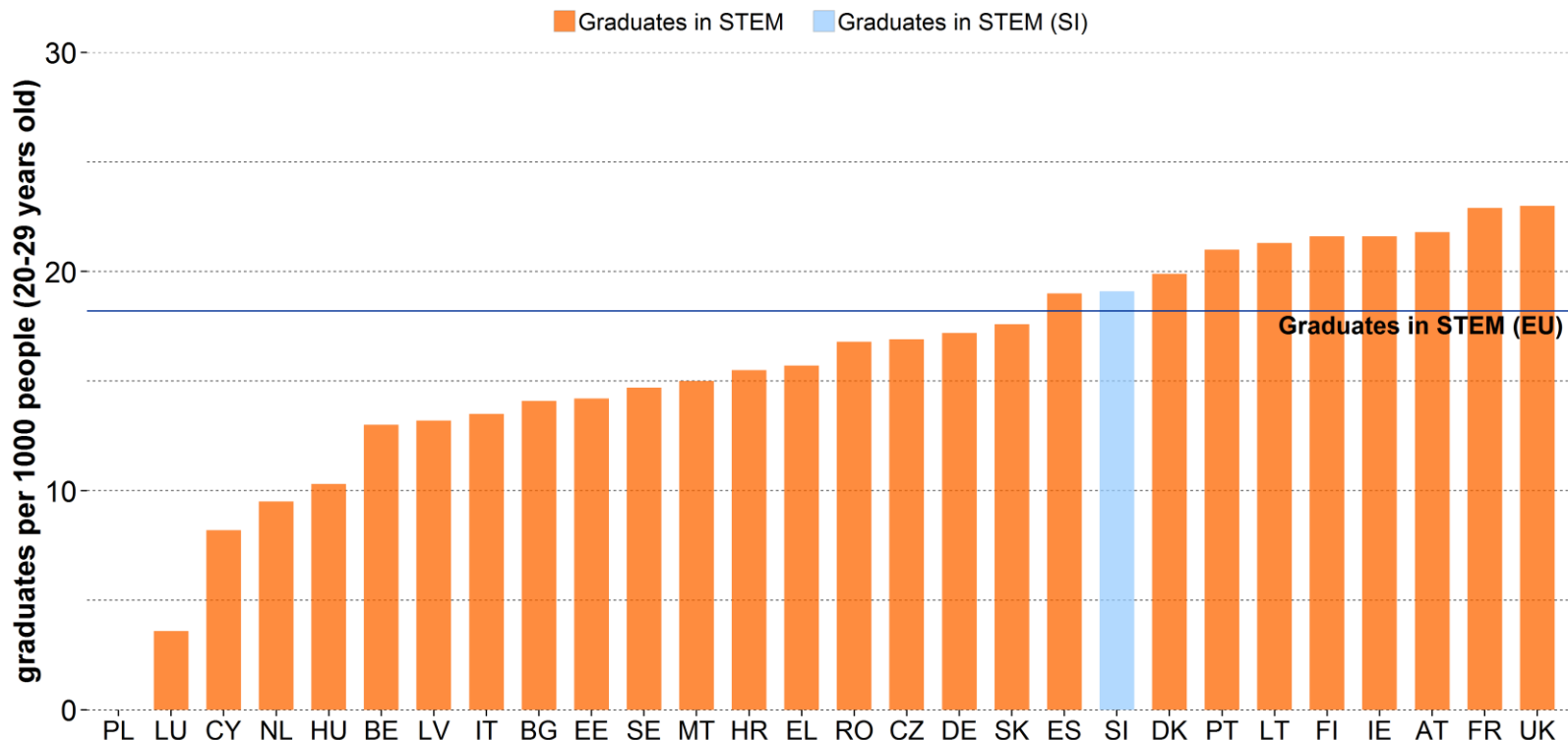
## ICT Specialists in the workforce (2014)



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

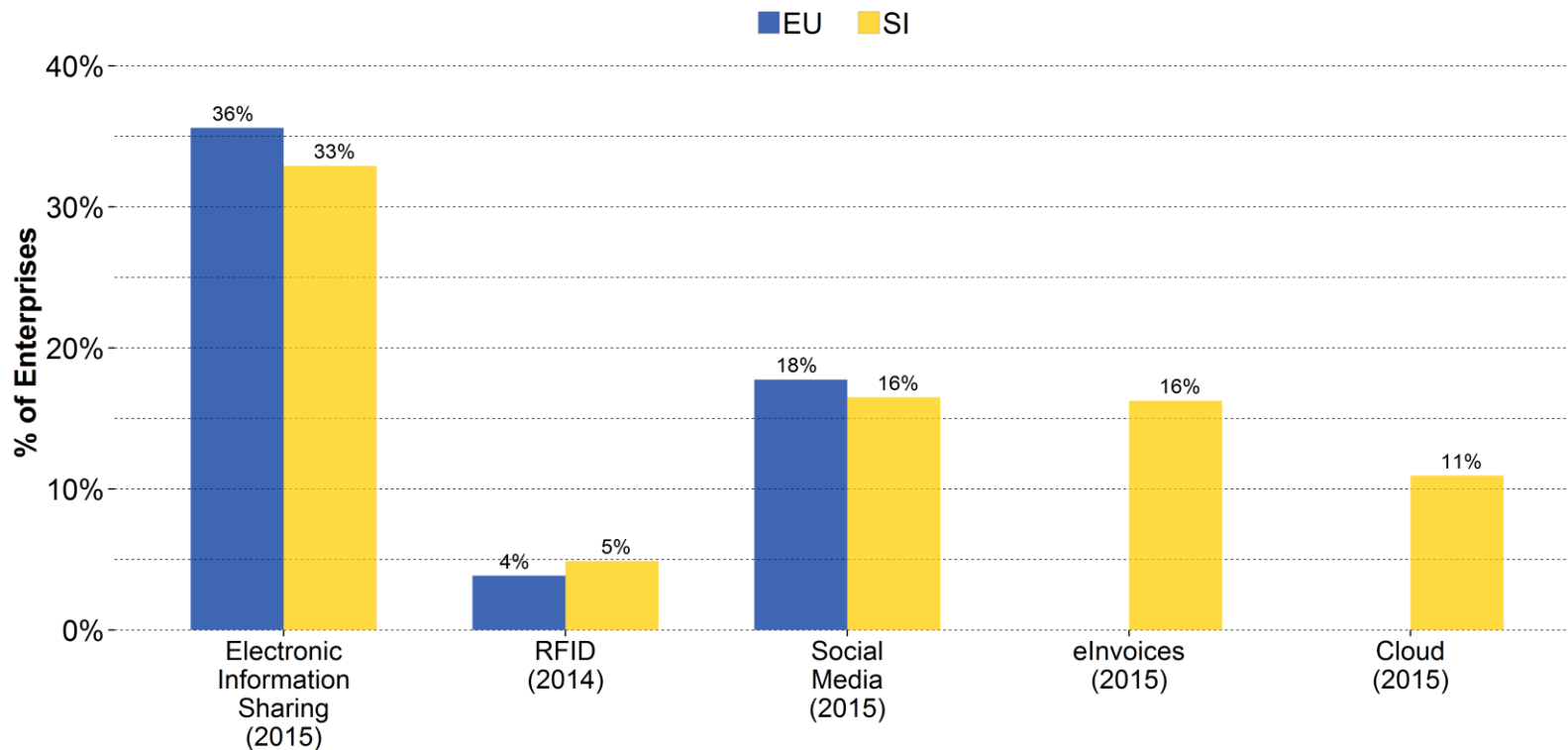
**Slovenia has 19 graduates in STEM per each 1000 people aged 20-29 years old (18 in the EU).**

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



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

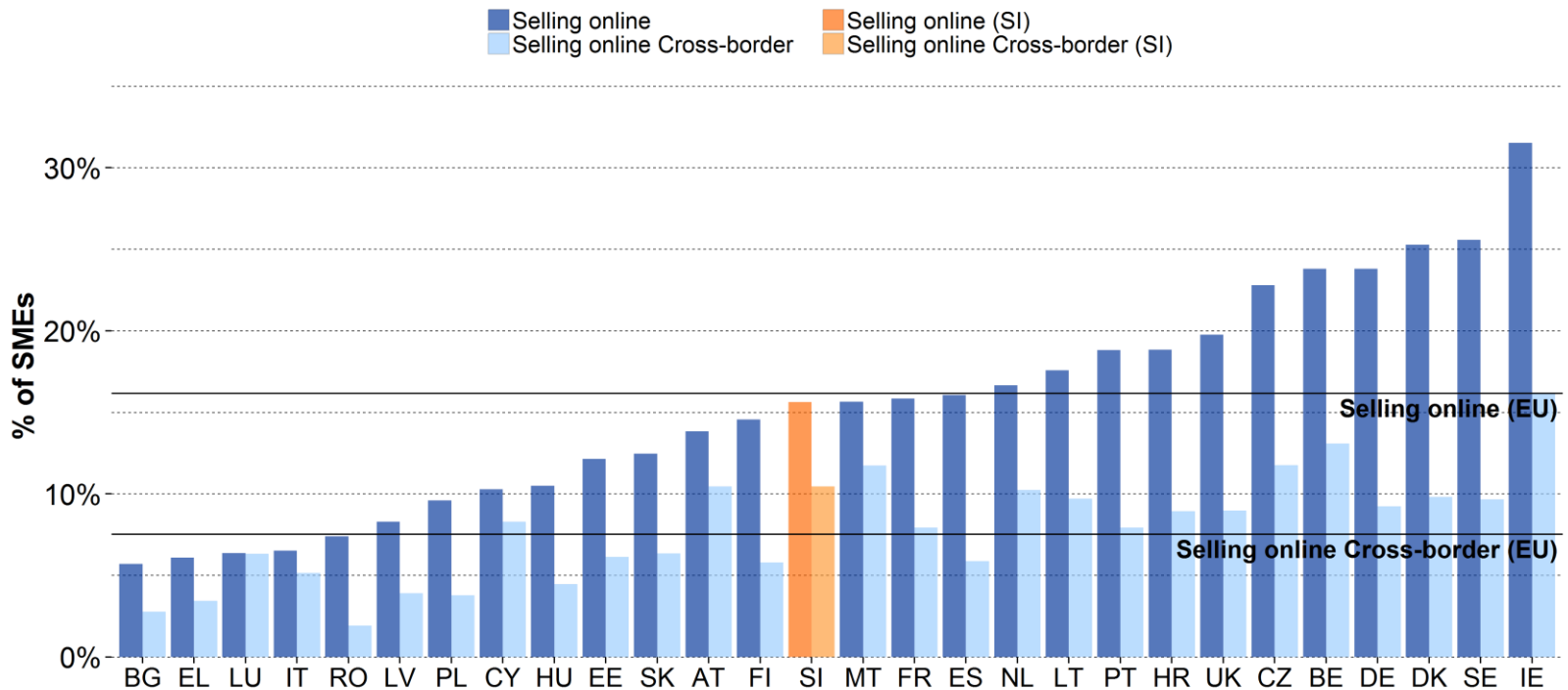
**Adoption of Digital Technology by Businesses**





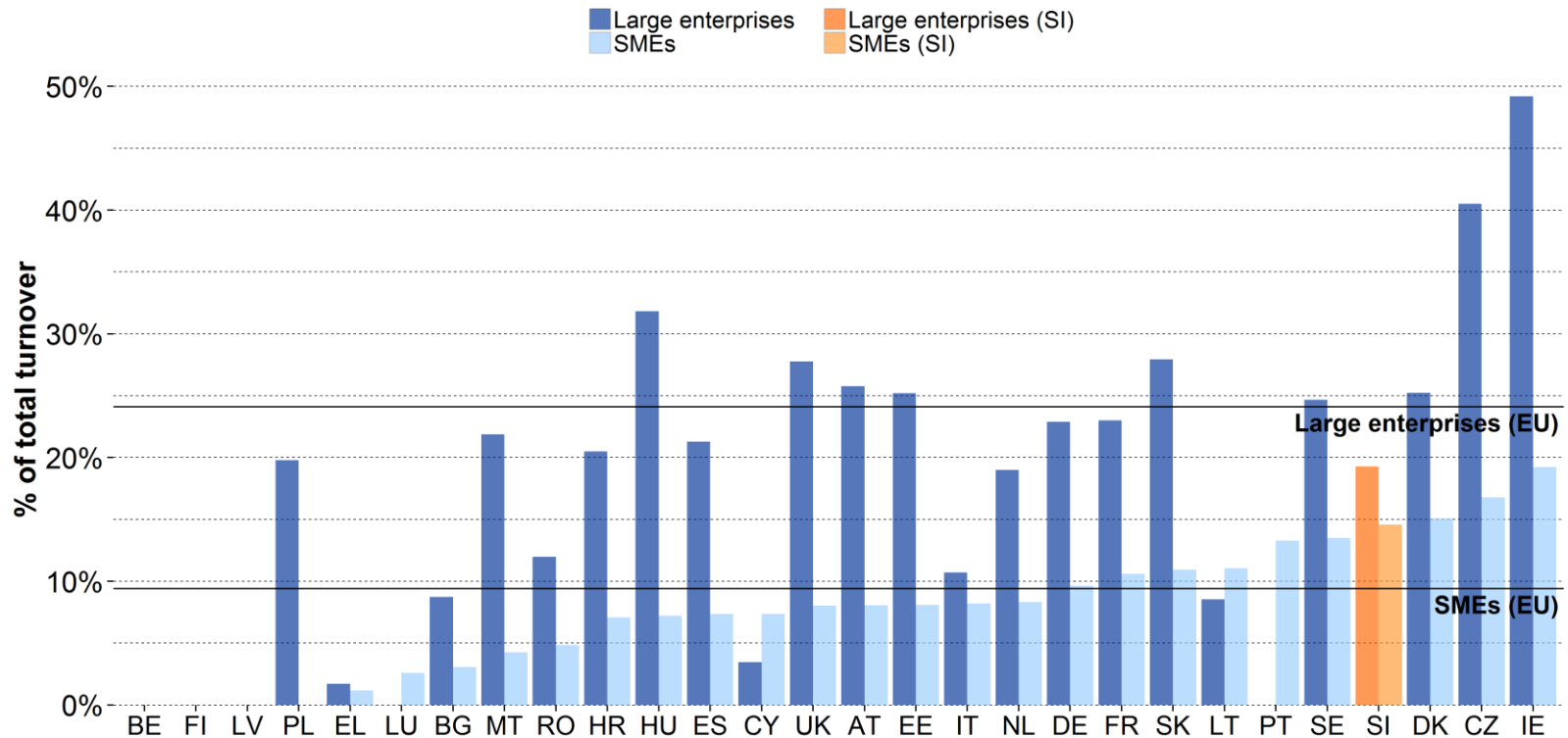
**In Slovenia 16% of SMEs sell online (16% in the EU).**  
**10% of Slovenian SMEs sell online to other EU countries (7.5% in the EU).**

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



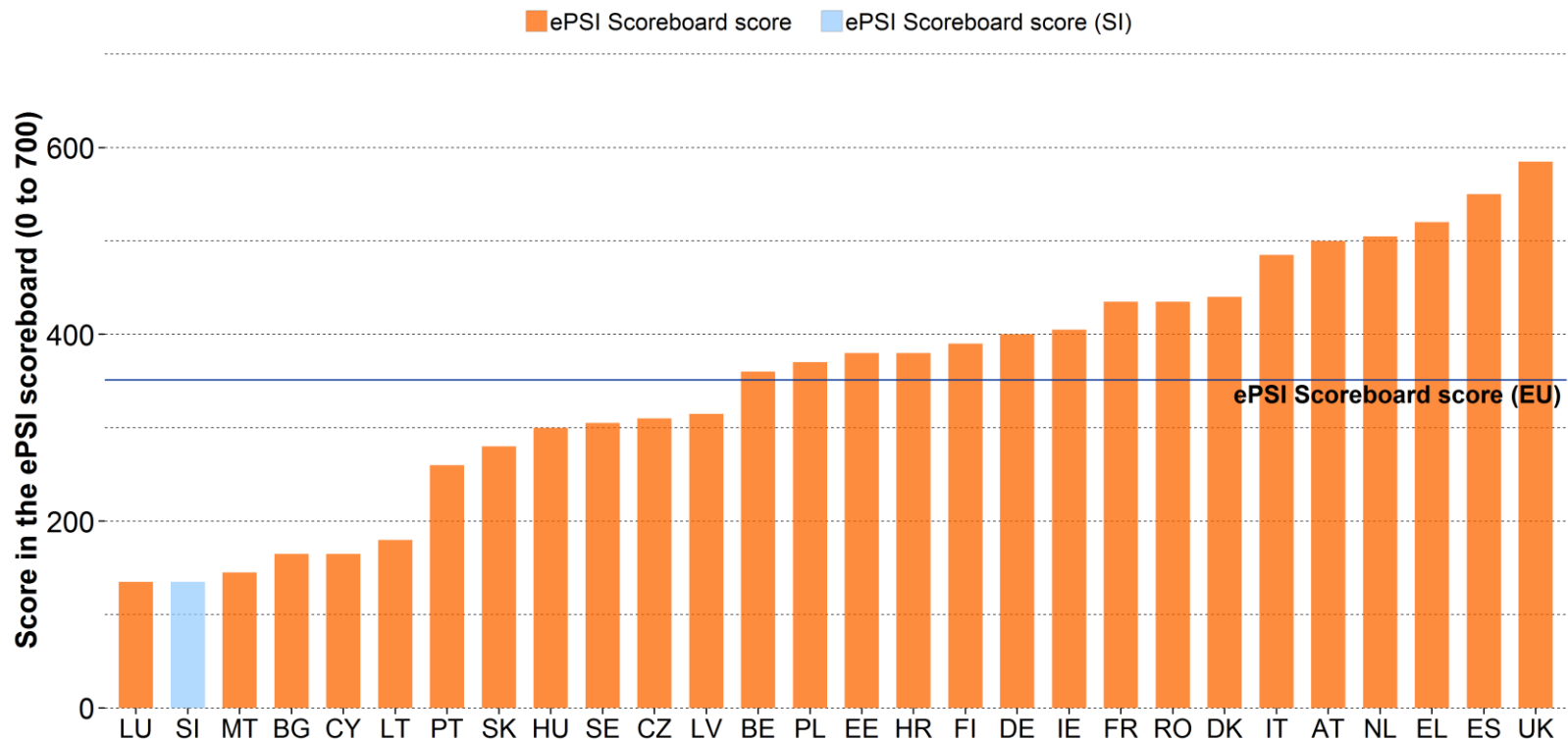
**SMEs in Slovenia obtain on average 15% of their turnover from eCommerce (9.4% in the EU). Large enterprises derive on average 19% of their turnover from eCommerce (24% in the EU).**

### Turnover from eCommerce (2015)



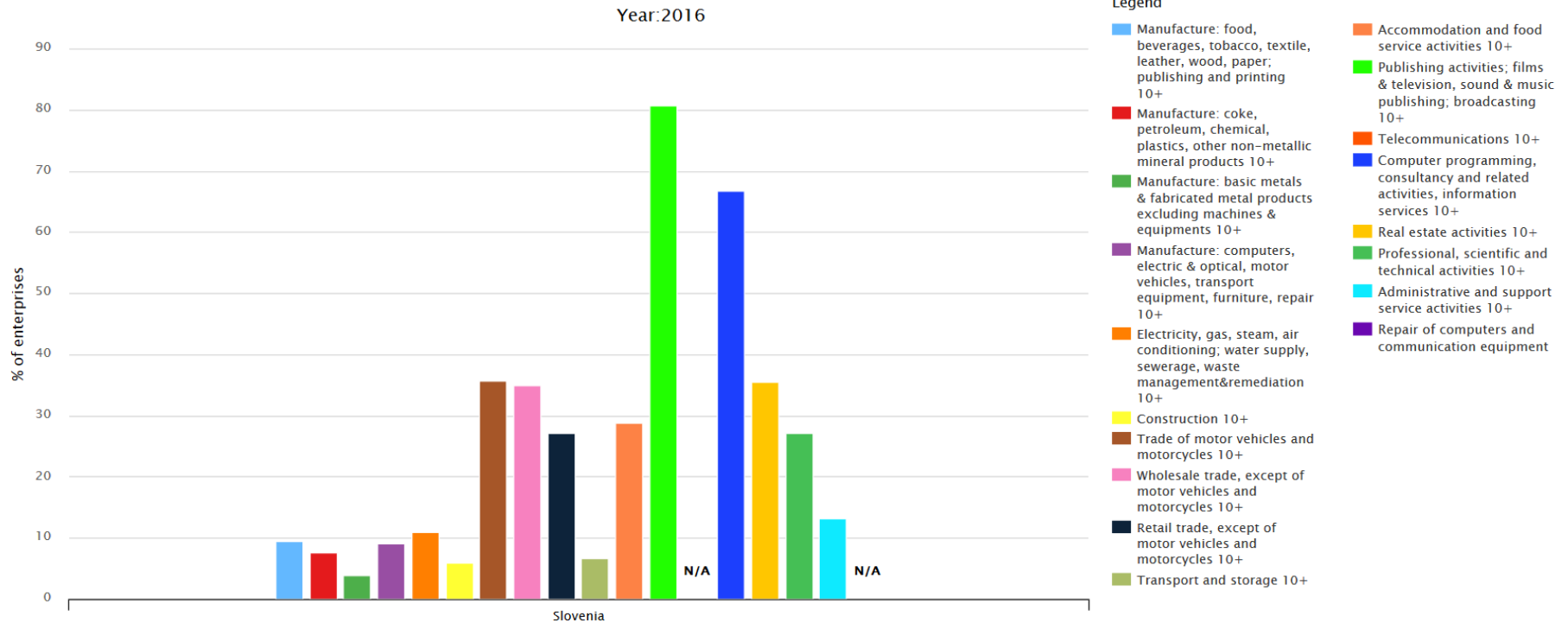
**Slovenia scores 135 out of 700 in the European Public Sector Information scoreboard, against an overall score of 351 out of 700 for the European Union.**

## Open Data (2015)



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

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



- 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+
- Administrative and support service activities 10+
- Accommodation and food service activities 10+
- Professional, scientific and technical activities 10+
- Repair of computers and communication equipment

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

- Trade of motor vehicles and motorcycles 10+
- Wholesale trade, except of motor vehicles and motorcycles 10+
- Publishing activities; films & television, sound & music publishing; broadcasting 10+
- Computing programming. Consultancy and related activities, information services 10+
- Real estate activities 10+

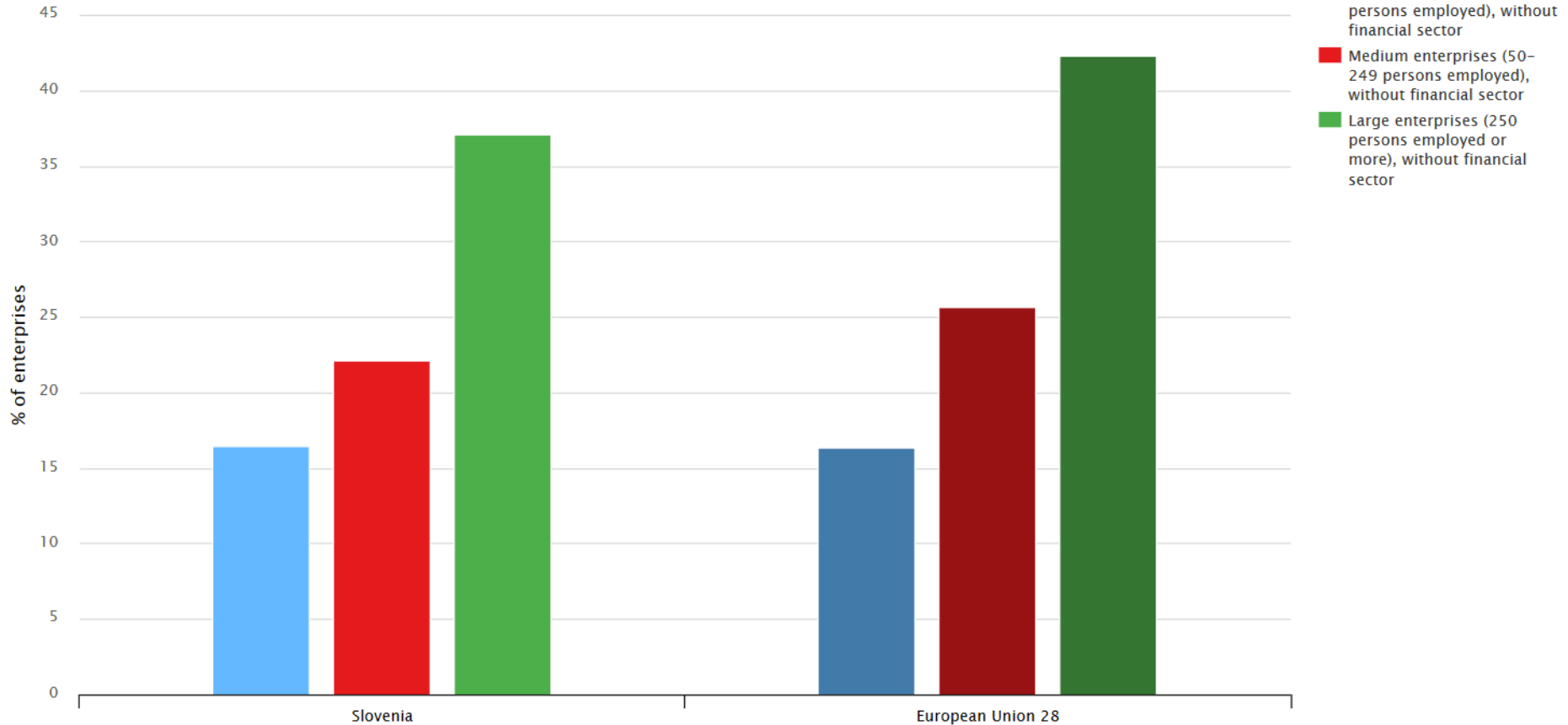
[http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={%22indicator-group%22:%22ebusiness%22,%22indicator%22:%22e\\_di\\_hivhi%22,%22breakdown-group%22:%22econsector%22,%22unit-measure%22:%22pc\\_ent%22,%22time-period%22:%222016%22,%22ref-area%22:%22SI%22}](http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-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:%22SI%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:\[%22EU28%22,%22SI%22\]}](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:[%22EU28%22,%22SI%22]})

# Digital Innovation Hubs Catalogue

## The Slovenia case

European  
Commission



SMART SPECIALISATION PLATFORM

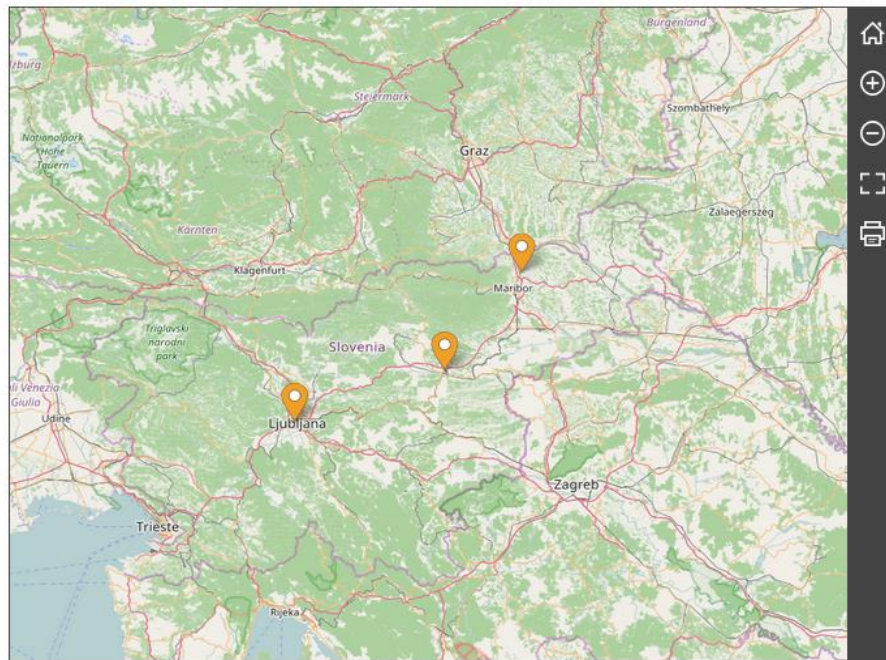


European Commission / Smart Specialisation Platform / Tools / Digital Innovation Hubs

Home S3 Platform Sections Tools News Events Knowledge Repository

Search

### Digital Innovation Hubs



Leaflet | © OpenStreetMap contributors | Disclaimer

[Export Hubs to csv](#)

Hub Name	Location	Country	Contact	Phone	Email	Website
Center for Technology Transfer and Innovation	Jamova cesta 39, 1000, Ljubljana	Slovenia	Dr. Špela Stres	00386 1 477 3243	<a href="#">✉</a>	<a href="#">🌐</a>
Digital Innovation Hub of Eastern Slovenia Abbreviation: DIGITECH SI -East	Zavod C-TCS Kidričeva 25, SI-3000, Celje	Slovenia	Mag.Tone Sagadin - DIH Project Office Coordinator	+386 3 424 42 02	<a href="#">✉</a>	
Styrian Technology Park, STP	Pesnica pri Mariboru 20a,	Slovenia	Matjaž Fras	+386 2	<a href="#">✉</a>	<a href="#">🌐</a>

Search

Technical Competences

Services Provided

Focus on TRL

Market sectors

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

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

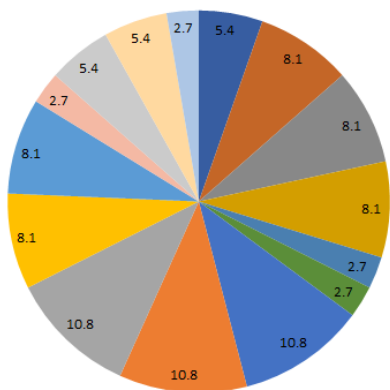
<http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool>

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

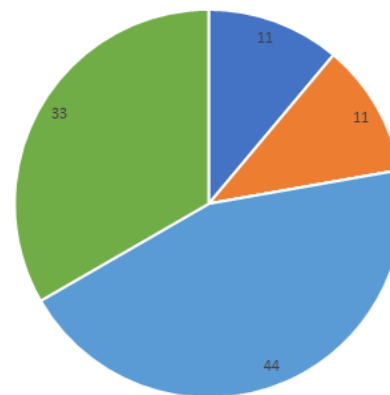
# Services provided and types of customers supported by DIHs in Slovenia- Analysis

**Types of services provided (%)**

**Types of customers supported (%)**



- Concept validation and prototyping
- Awareness creation
- Commercial infrastructure
- Ecosystem building, scouting, brokerage, networking
- Incubator/accelerator support
- Mentoring
- Other (description)
- Testing and validation
- Voice of the customer, product consortia
- Access to Funding and Investor Readiness Services
- Collaborative Research
- Digital Maturity Assessment
- Education and skills development
- Market intelligence
- N/A
- Pre-competitive series production
- Visioning and Strategy Development for Businesses



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

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 Slovenia 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	ELVEZ, PROIZVODNJA KABELSKE KONFEKCIJE IN PREDELAVA PLASTICNIH MAS DOO	PARTICIPANT	ELVEZ	PRIVATE	No
FoF-09-2015	ReconCell	36	31/10/2018	INSTITUT JOZEF STEFAN	COORDINATOR	JSI	PUBLIC	Yes
FoF-09-2015	Fortissimo 2	36	31/10/2018	MAGNETI LJUBLJANA PODJETJE ZA PROIZVODNJO MAGNETNIH MATERIALOV DD	PARTICIPANT	MAGNETI	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	EMO-ORODJARNA DOO	PARTICIPANT	EMO	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	ARCTUR RACUNALNISKI INZENIRING DOO	PARTICIPANT	ARCTUR	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	XLAB RAZVOJ PROGRAMSKE OPREME IN SVETOVANJE DOO	PARTICIPANT	XLAB	PRIVATE	N/A
FoF-09-2015	HORSE	54	30/04/2020	ZAVOD-CENTER SLOVENSKEGA ORODJARSKEGA GROZDA CELJE	PARTICIPANT	TCS	PRIVATE	No
ICT-04-2017	TETRAMAX	48	31/08/2021	INSTITUT JOZEF STEFAN	PARTICIPANT	JSI	PUBLIC	Yes





# Competence centers/DIHs funded by EU projects in Slovenia 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	XLAB	XLAB RAZVOJ PROGRAMSKE OPREME IN SVETOVANJE DOO	Participant	PRC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	ARCTUR	ARCTUR RACUNALNISKI INZENIRING DOO	Participant	PRC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	PIPISTREL	PIPISTREL PODJETJE ZA ALTERNATIVNO LETALSTVO DOO AJDOVSCINA	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	HIDRIA	HIDRIA AET d.o.o. Druzba za proizvodnjo vzignih sistemov in elektronike d.o.o.	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	ARCTUR	ARCTUR RACUNALNISKI INZENIRING DOO	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

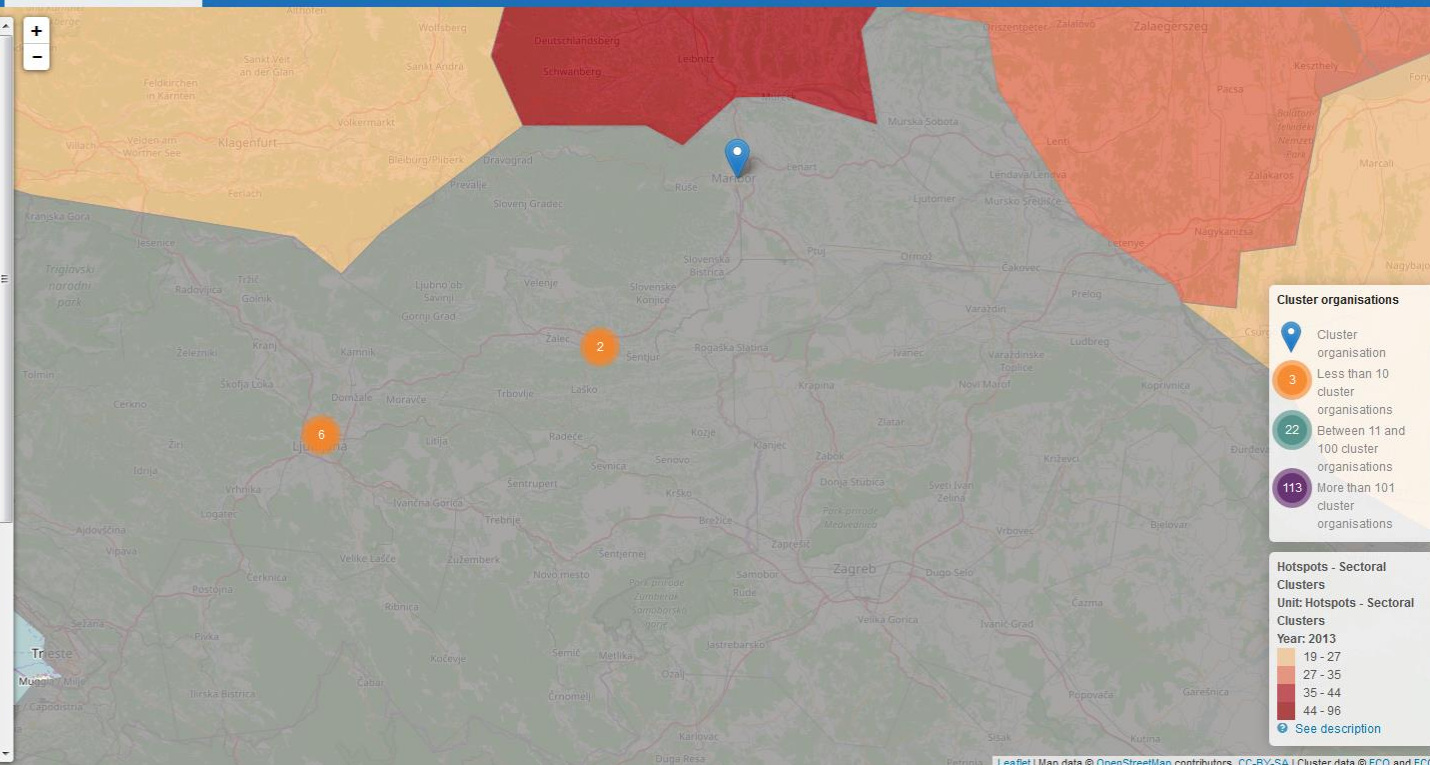
Enter keywords here... Clear Selected list

### Country & Regions

Country  
Slovenia  
Region


### Cluster Organisations

Sectoral Industries  
All sectors  
Emerging industries  
All emerging industries  
Technology fields  
All categories  
S3 EU priority areas  
All S3 priority areas  
Number of staff  
Any  
Participation in EU programmes  
Any  
Total number of members  
Any  
ESCP-4i Membership  
None  
Cluster Excellence Label/Award  
Any  
Target countries for international activities  
Target countries for trans-national activities



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


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

### 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)**.

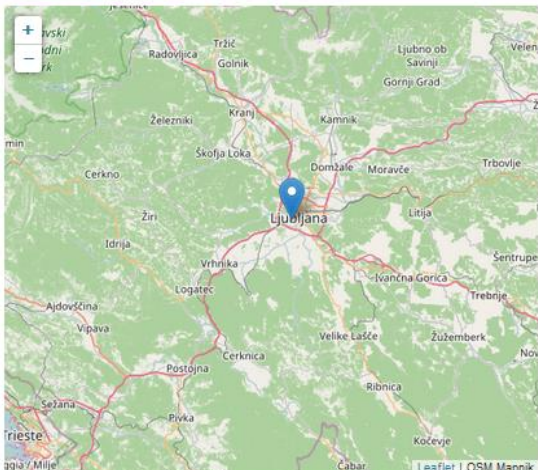
The Technology centres are selected according to criteria demonstrating their capacity to collaborate with SMEs on close-to-market research and innovation (Technology Readiness Levels 3 to 8, not necessarily the whole range).

**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.

Map
List



**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

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

**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 Slovenia**

# 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
646397	NANOLEAP	"Nanocomposite for building constructions and civil infrastructures: European network pilot production line to promote industrial application cases."	01/01/2015	30/06/2018	INEA INFORMATIZACIJA ENERGETIKA AVTOMATIZACIJA DOO	INEA DOO		
686116	OptiNanoPro	Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines	01/10/2015	30/09/2018	ILIRIJA, RAZVOJ, PROIZVODNJA IN TRZENJE KOZMETICNIH IZDELKOV DD	Ilirija, d.d.		
686116	OptiNanoPro	Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines	01/10/2015	30/09/2018	LAJOVIC TUBA EMBALAZA DOO	LAJOVIC TUBA	Packaging, Automotive, Photovoltaics	pilot line for coating and drying polymer substrates.
686116	OptiNanoPro	Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines	01/10/2015	30/09/2018	SIBO G. d.o.o.	SIBO G, d.o.o.	Packaging, Automotive, Photovoltaics	Injection/ co-injection, as well as optional posterior nanodeposition

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

View a different country

Finances: Planned

Finances: Implemented

EU Payments

Achievements

Programmes

Slovenia, through 3 national programmes, benefits from ESIF funding of EUR 3.9 billion. This represents an average of 1880 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 Slovenia 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 Slovenia.

Total EU National

Country Budget for 2014-2020:

€4 896 096 691

FINANCES: PLANNED

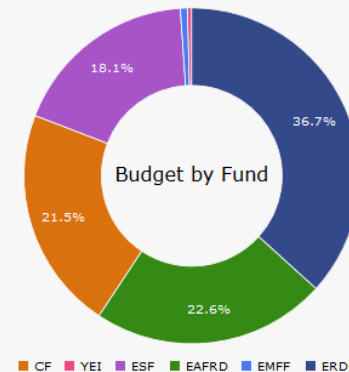
Total

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): Slovenia, EUR

Explore and Share this Data



Refresh Date: 21/8/2017