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# Italy's national strategy for digitising industry



## Piano Nazionale Industria 4.0

- Launched in **2016** by the **council of Ministers** with the aim to showcase a medium and long-term **vision** intended to **boost investment** and Italian businesses

## Innovative Investments

- **+10bn EUR** private investments increase
- **+11.3bn EUR** R&D&I of private expenditure
- **+2.6bn EUR** volume of early stage investments

<http://www.sviluppoeconomico.gov.it/index.php/it/>  
<http://www.mise.gov.it/index.php/it/industria40>

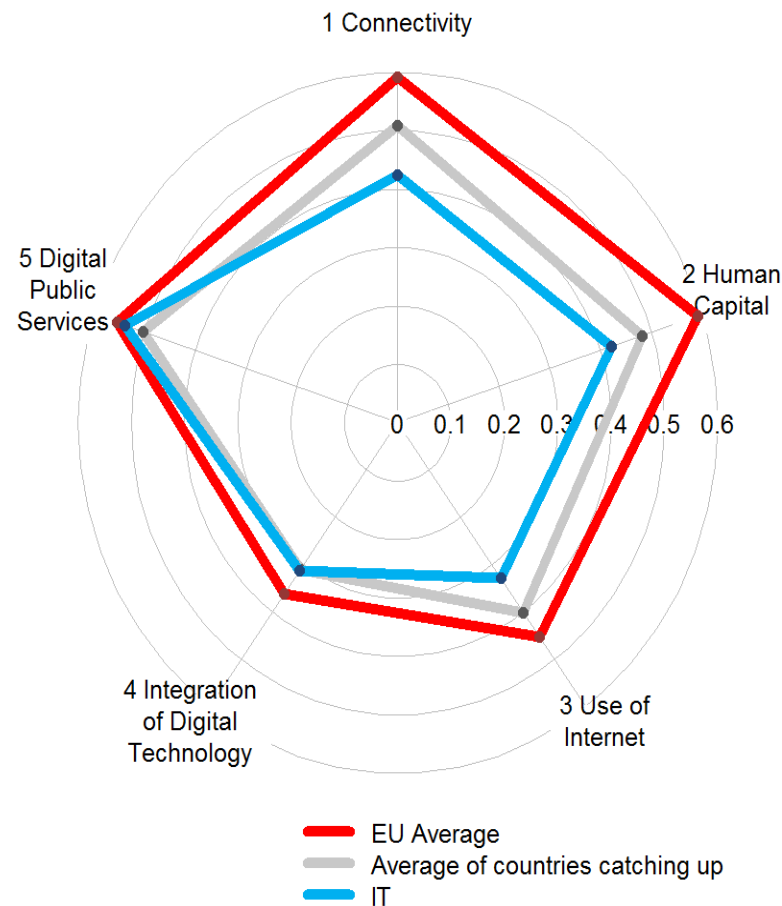


## Public Instruments and support

- **+0.9bn EUR** reform and refinancing of Guarantee Fund
- **+1bn EUR** development Contracts focused on I4.0
- **+0.1bn EUR** investment on digital sales chains
- 30% of tax deduction for investments up to **1M EUR** for start-ups and innovative SMEs.

 <b>Policy Lever(s)</b>	Mainly public funding and steered by government with emphasis on the development of new technologies
 <b>Funding Model</b>	Mainly publicly funded, yet envisaged process towards equal funding model
 <b>Target audience(s)</b>	Organisations of the intelligent factory ecosystem incl. large companies, SMEs, universities, research centres, etc.
 <b>Impact &amp; Focus Areas</b>	Focus on the development of new technologies for manufacturing innovation with expected impacts in competitiveness, employment and environment
 <b>Key drivers</b>	Combined manufacturing strength at all governance levels and a contact point for production internationally
 <b>Key barriers</b>	Stronger cluster role to intervene in contract management of research projects desired
 <b>Implementation strategy</b>	Comprehensive road mapping with implementation through Technical-Scientific Thematic Groups on the basis of the strategic action lines
 <b>Results achieved</b>	Creating a platform and manufacturing community and implementing four priority research projects

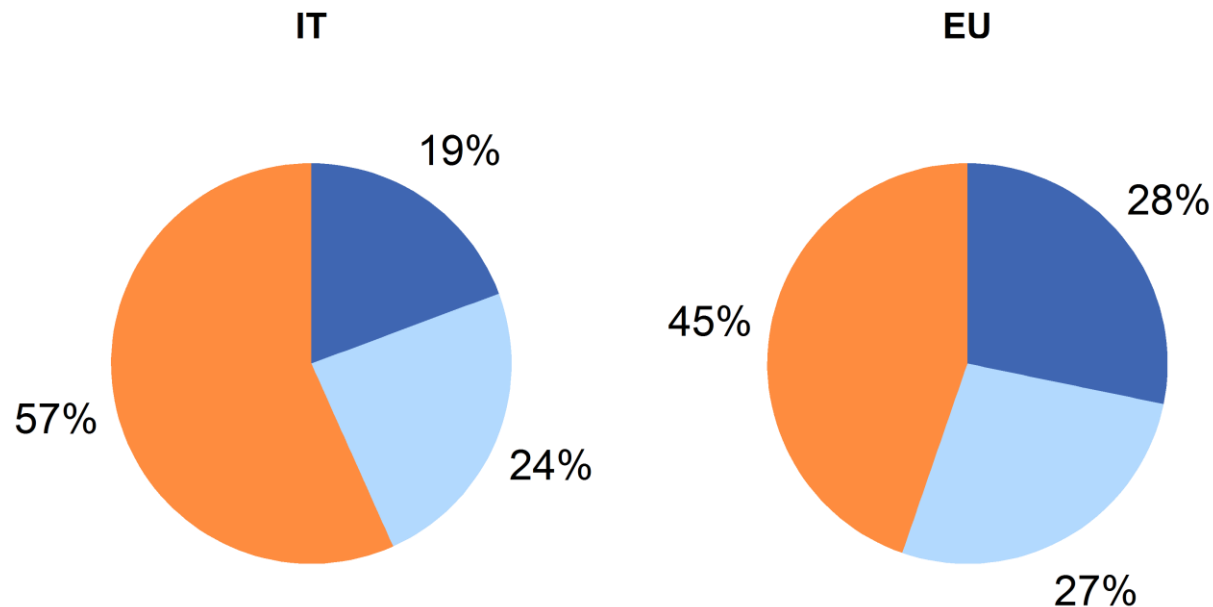
**Italy ranks 25 among EU countries.  
It is part of the group of countries that are catching up.**



**In Italy 24% of citizens have basic digital skills (27% in the EU) and 19% have above basic digital skills (28% in the EU).**

## Digital Skills (2015)

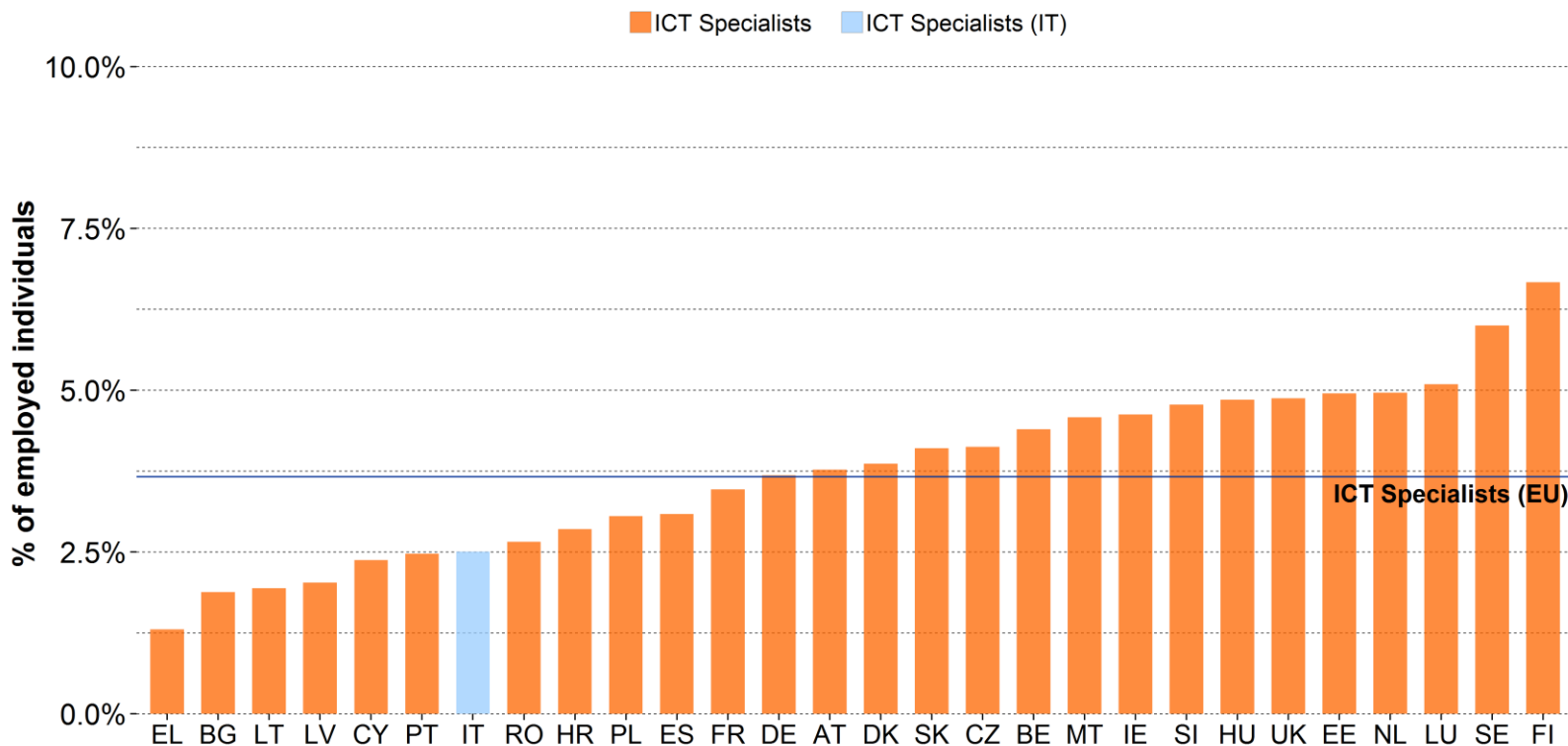
■ Above basic digital skills   ■ Basic digital skills   ■ Low or no digital skills, or do not use the internet



% of individuals

In Italy ICT Specialists account for 2.5% of the workforce (3.7% in the EU).

### ICT Specialists in the workforce (2014)

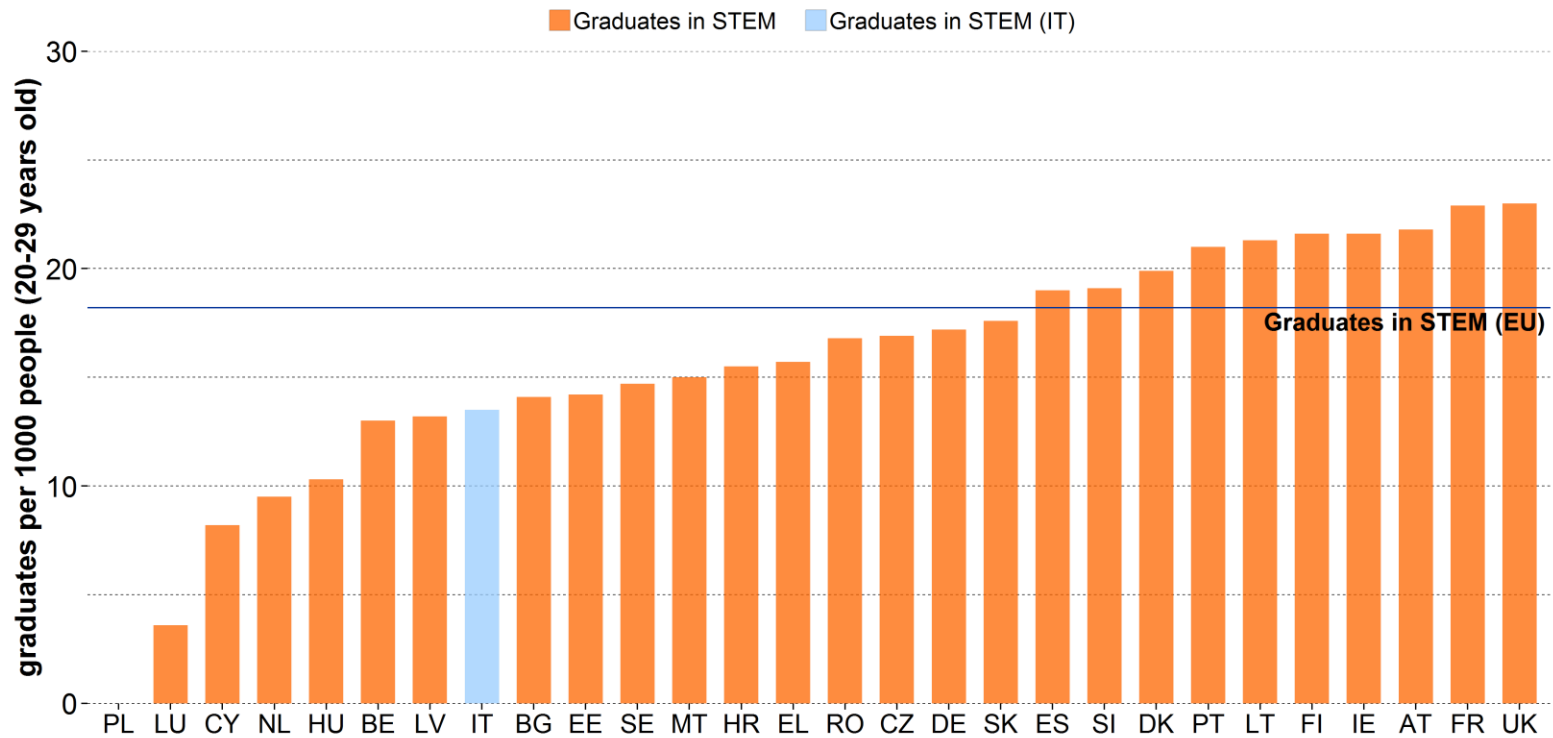


# Human Capital: Graduates in STEM (Science, Technology and Mathematics)

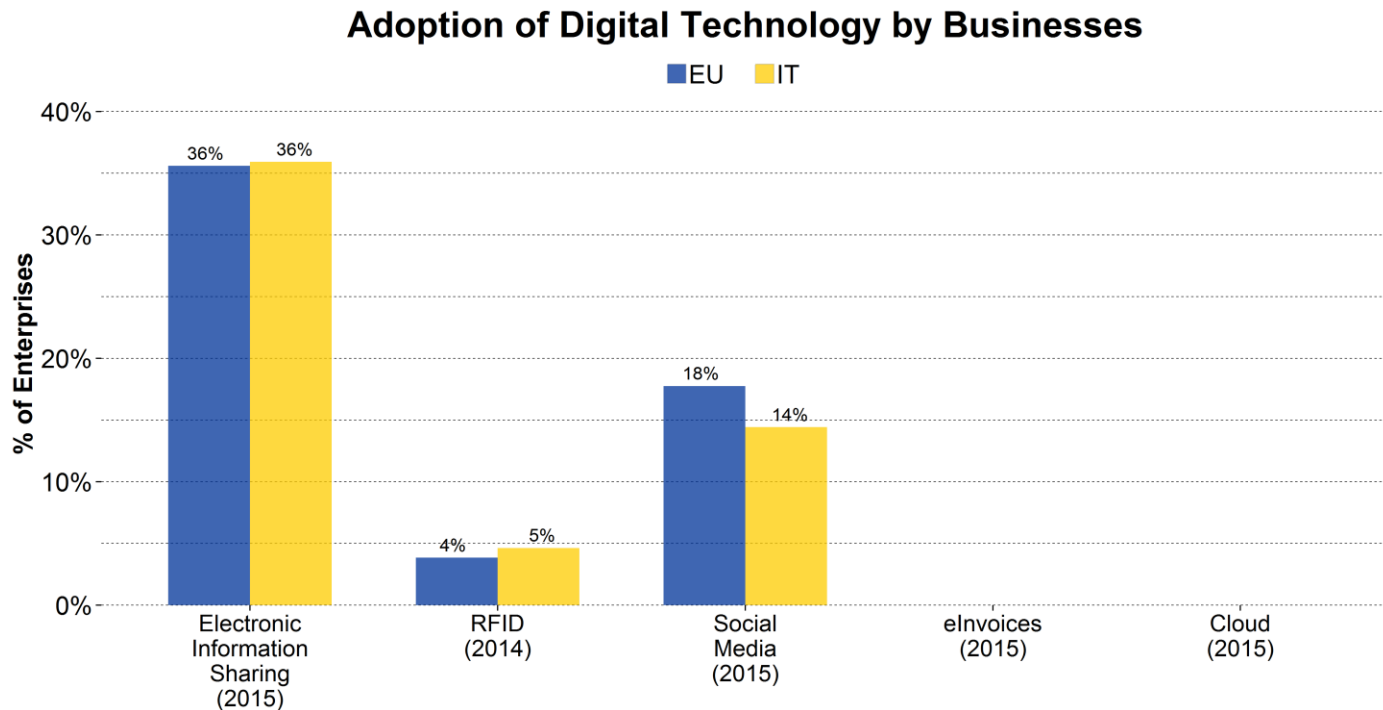
European  
Commission

**Italy has 14 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 Italy are adopting different digital technologies to enhance productivity, such as sharing internal information electronically or using RFID, eInvoicing, Social Media and Cloud.**

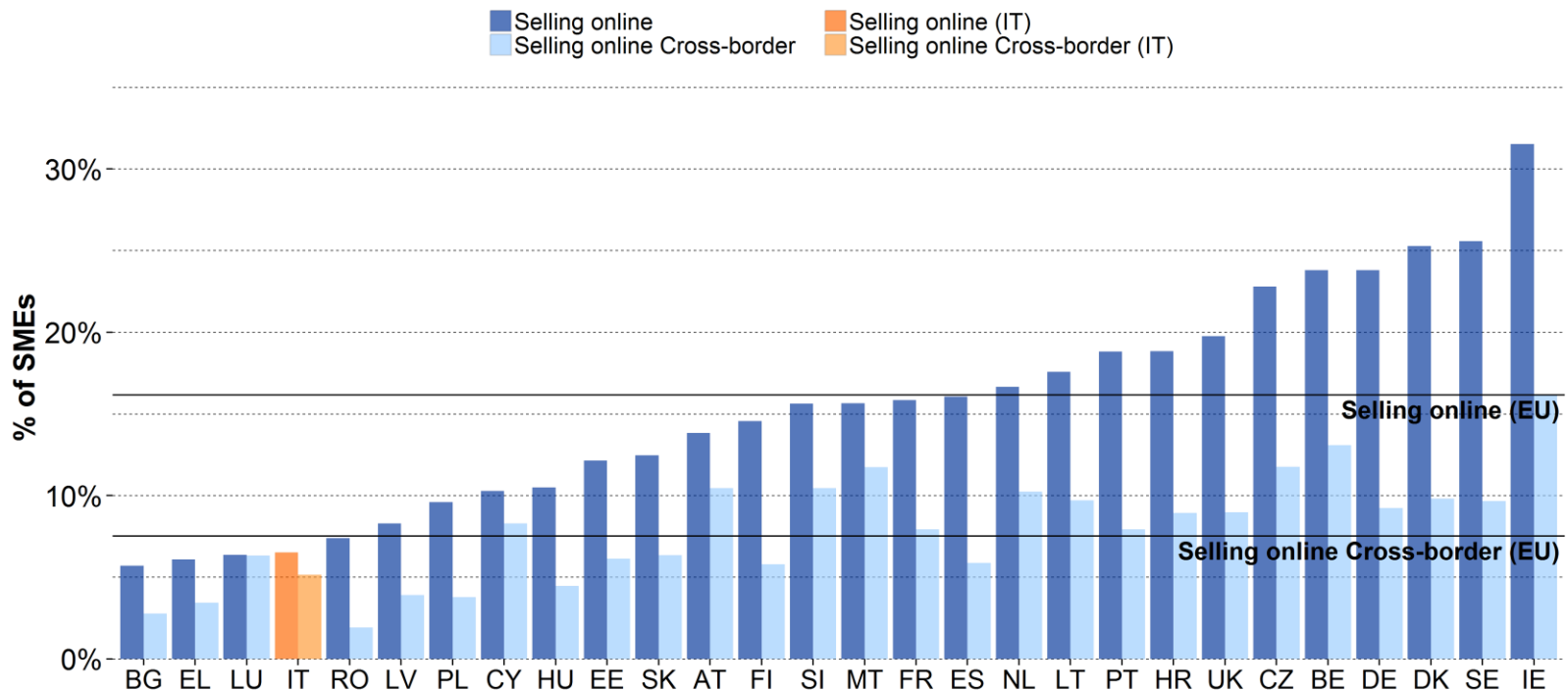




**In Italy 6.5% of SMEs sell online (16% in the EU).**

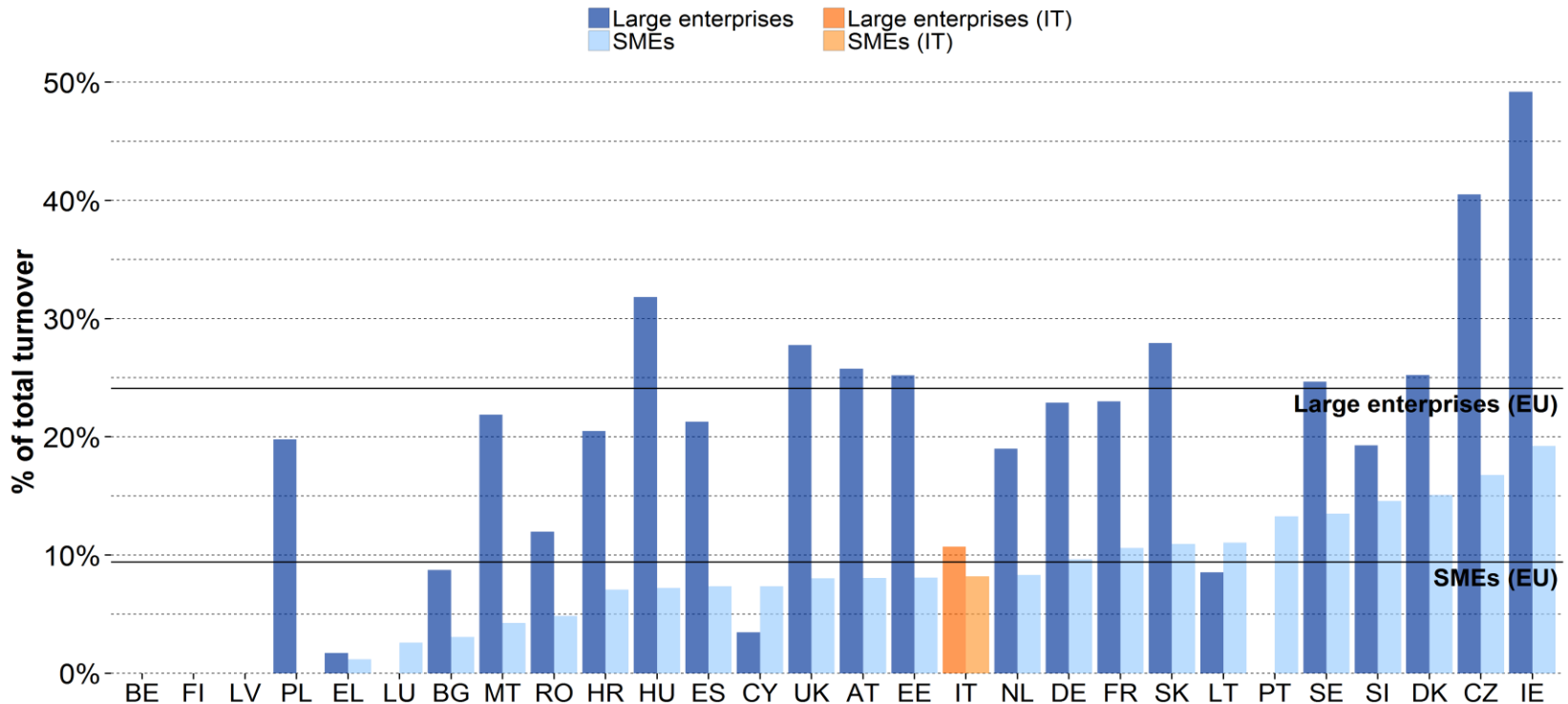
**5.2% of Italian SMEs sell online to other EU countries (7.5% in the EU).**

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

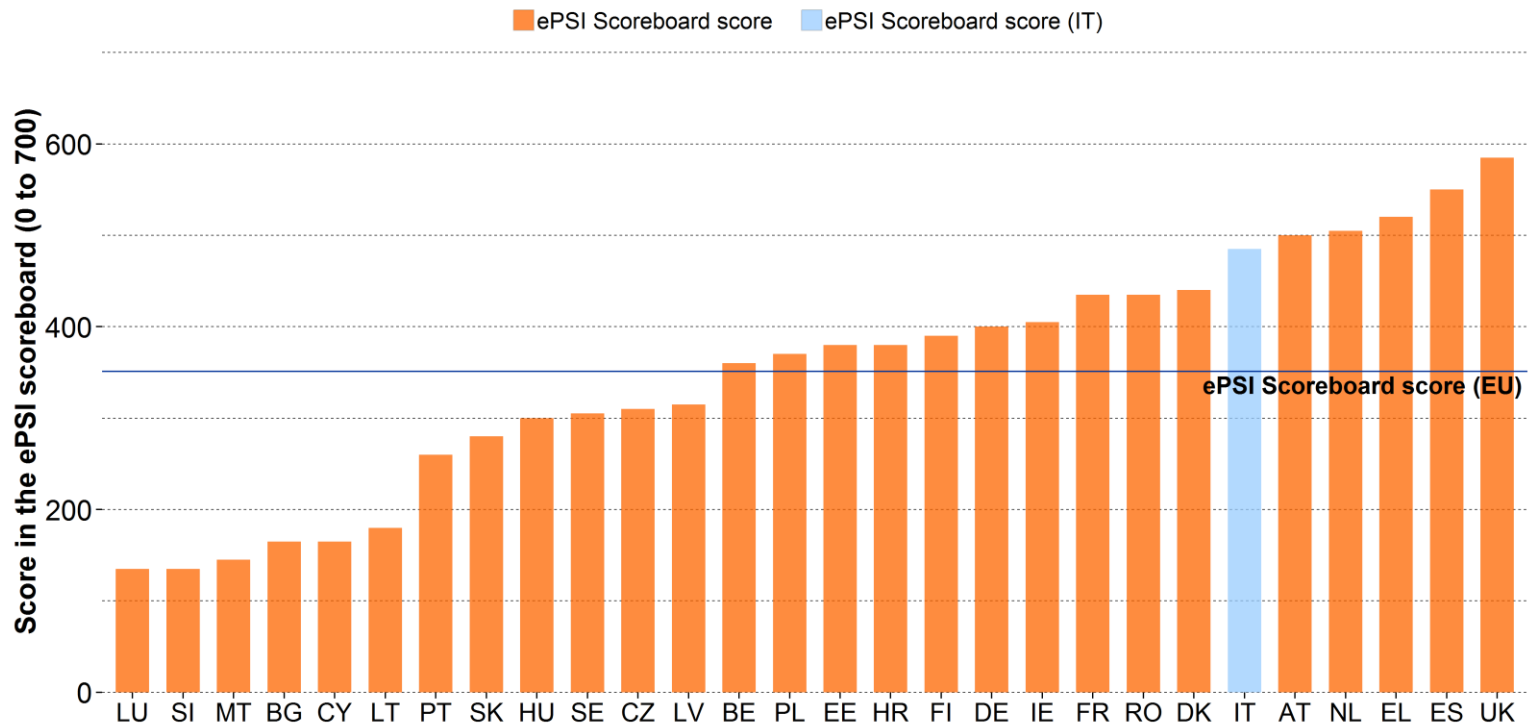


**SMEs in Italy obtain on average 8.2% of their turnover from eCommerce (9.4% in the EU). Large enterprises derive on average 11% of their turnover from eCommerce (24% in the EU).**

## Turnover from eCommerce (2015)



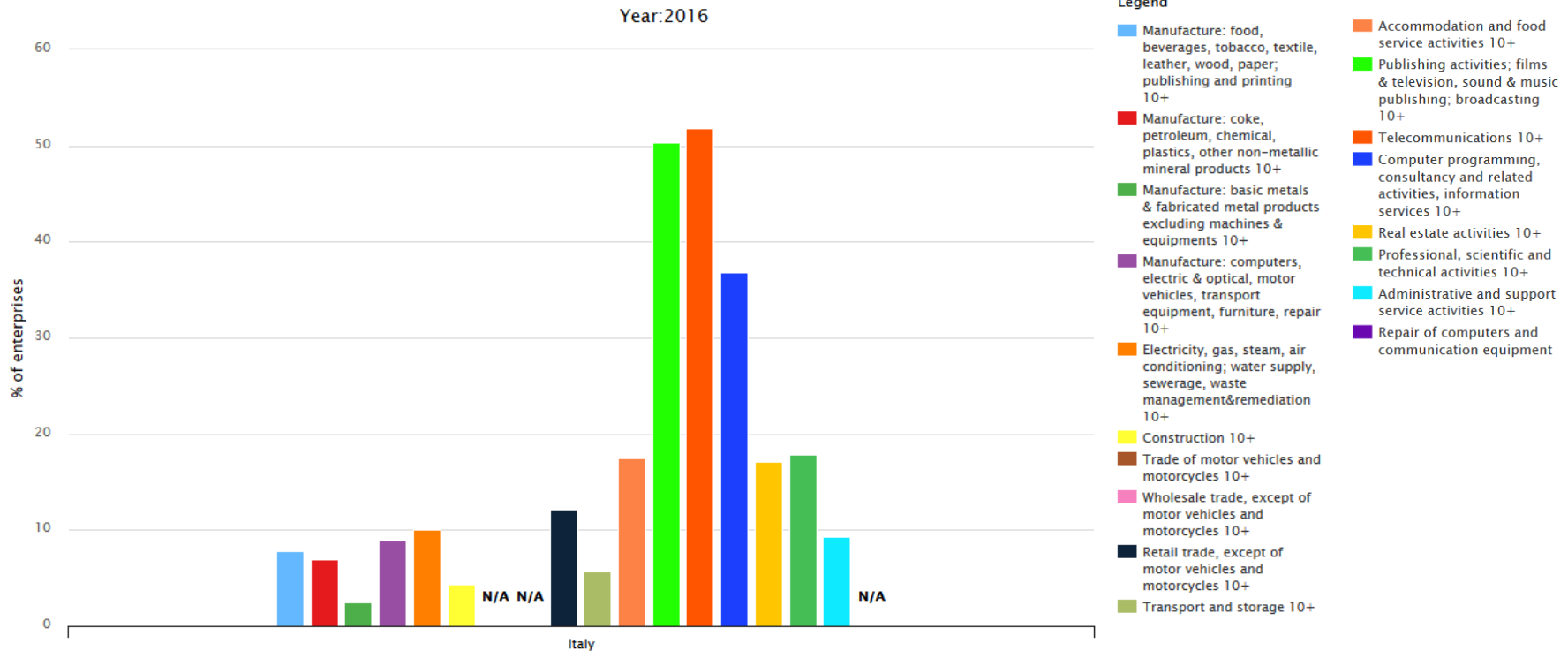
**Italy scores 485 out of 700 in the European Public Sector Information scoreboard, against an overall score of 351 out of 700 for the European Union**  
**Open Data (2015)**



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

European Commission

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+
- 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+

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

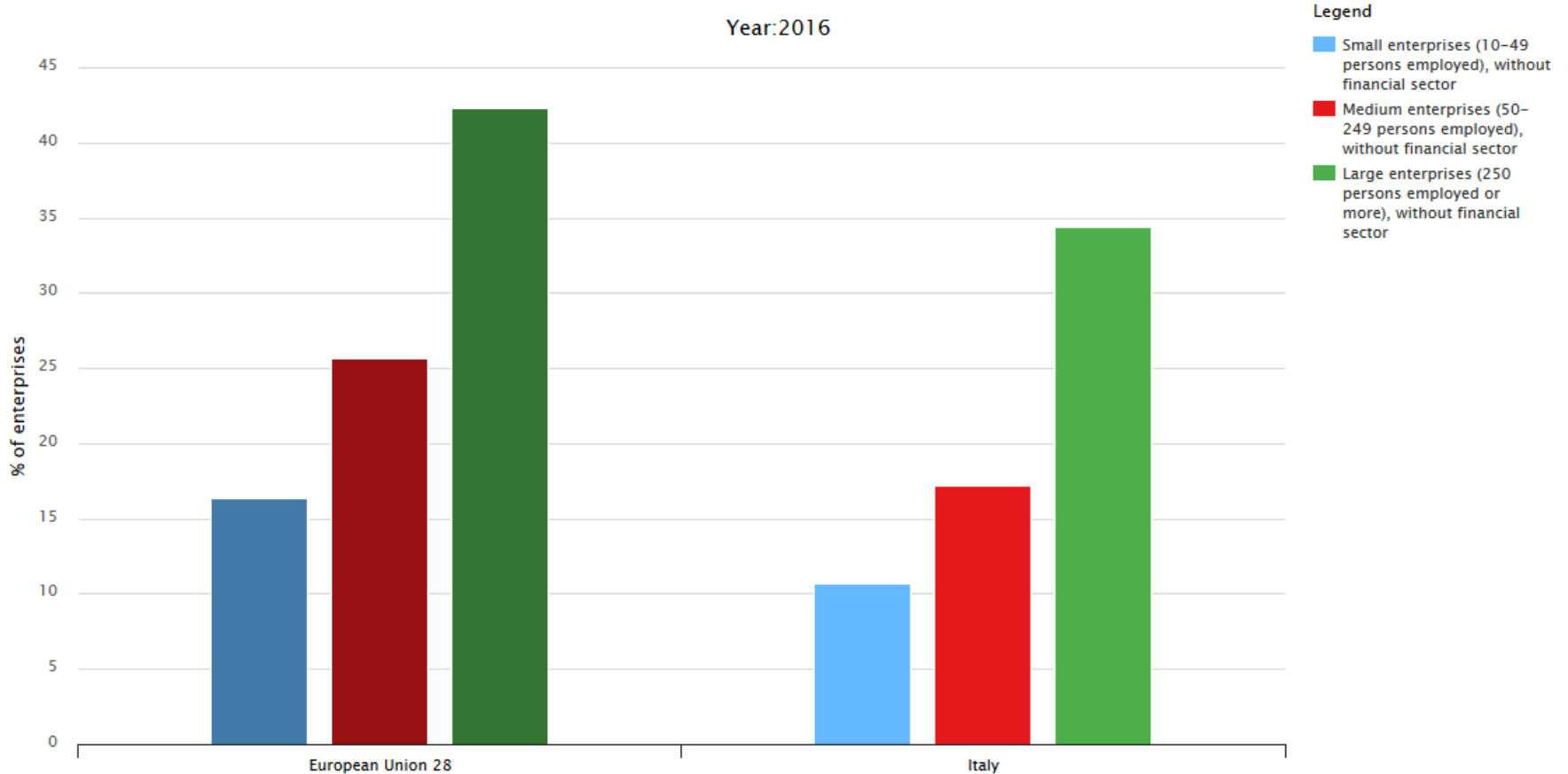
- Publishing activities; films & television, sound & music publishing, broadcasting 10+
- Telecommunications 10+
- Computer programming, Consultancy and related activities, information services 10+

[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:%22IT%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:%22IT%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



[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:\[%22EU28%22,%22IT%22\]}](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,%22IT%22]})

# Digital Innovation Hubs Catalogue

## The Italy case

European  
Commission



SMART SPECIALISATION PLATFORM

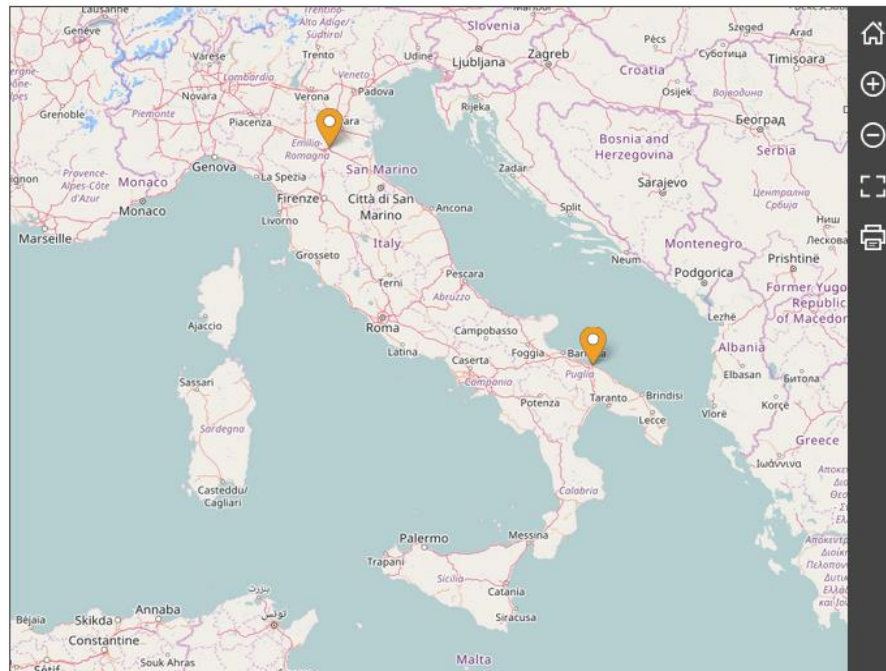


European Commission / Smart Specialisation Platform / Tools / Digital Innovation Hubs

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Search

### Digital Innovation Hubs



Search: ITALY

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

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Export Hubs to csv

Hub Name	Location	Country	Contact	Phone	Email	Website
Apulia CPS/IoT Hub for Regional Digital Manufacturing SMEs	Via Amendola 172, 70126, BARI	Italy	Scherillo Mariarosaria	+39 080 5467712	<a href="#">✉</a>	<a href="#">🌐</a>
(National Technological) Cluster of Intelligent Factories	via Piero Gobetti 101, 40129, Bologna	Italy	Rosanna Fornasiero	-	<a href="#">✉</a>	<a href="#">🌐</a>

The version available presents:

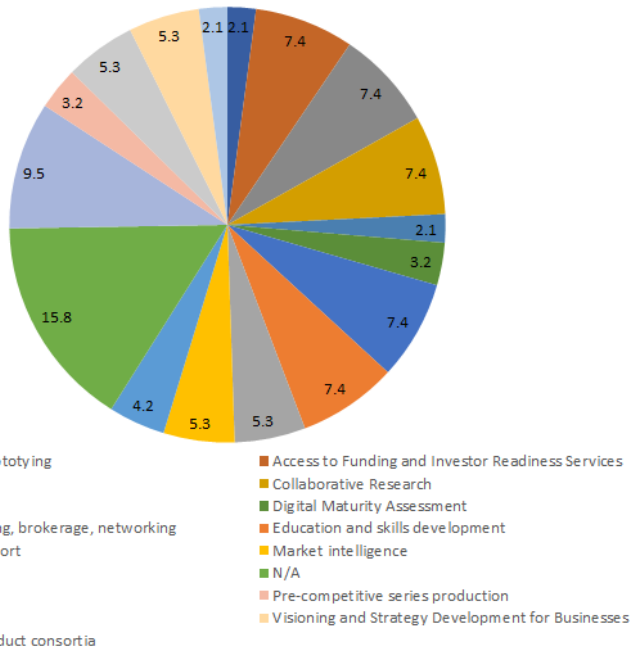
- Fact-sheets with profile, contact data, service examples for regional, national, and EU-supported DIHs
- Map-based search tool by technical competences, market sector, services

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

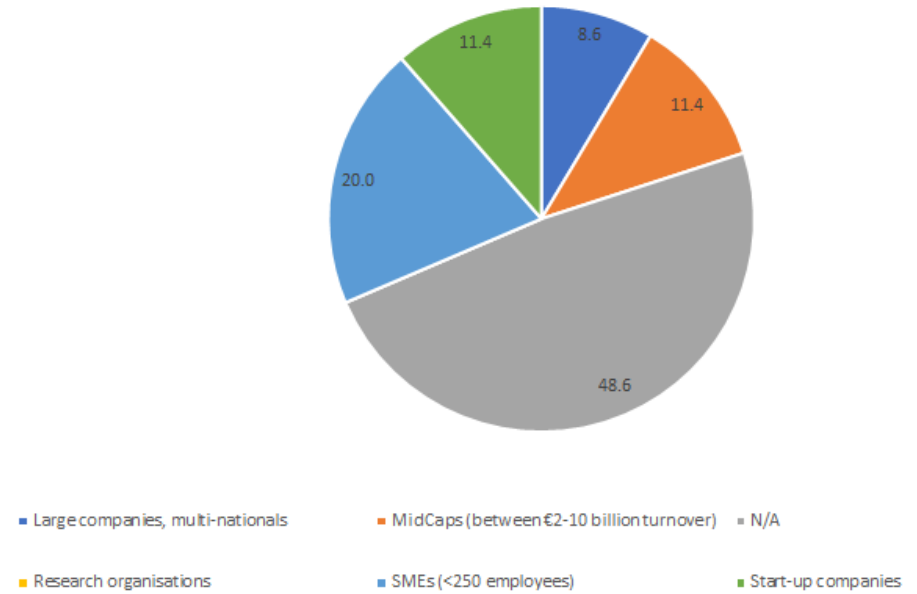
[JRC-B3-DIH@ec.europa.eu](mailto:JRC-B3-DIH@ec.europa.eu)

# Services provided and types of customers supported by DIHs in Italy - 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 Italy in H2020 [1-2]

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	Fortissimo 2	36	31/10/2018	HYPERTEC SOLUTION SRL	PARTICIPANT	HYPERTEC	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	TEXA SPA	PARTICIPANT	TEXA	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	PROSERVICE SRL	PARTICIPANT	PROSERV	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	ALSTOM FERROVIARIA SPA	PARTICIPANT	ALSTOM	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	STAMTECH SRL	PARTICIPANT	STAM	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	CINECA CONSORZIO INTERUNIVERSITARIO	PARTICIPANT	CINECA	PRIVATE	Yes
FoF-09-2015	BEinCPPS	36	31/10/2018	ASSOCIAZIONE FABBRICA INTELLIGENTE LOMBARDIA	PARTICIPANT	AFIL	PRIVATE	No
FoF-09-2015	BEinCPPS	36	31/10/2018	HOLONIX SRL-SPIN OFF DEL POLITECNICO DI MILANO	PARTICIPANT	HLX	PRIVATE	No
FoF-09-2015	BEinCPPS	36	31/10/2018	Whirlpool Europe srl	PARTICIPANT	WHR	PRIVATE	No
FoF-09-2015	BEinCPPS	36	31/10/2018	POLITECNICO DI MILANO	COORDINATOR	POLIMI	PUBLIC	Yes
FoF-09-2015	BEinCPPS	36	31/10/2018	ENGINEERING - INGEGNERIA INFORMATICA SPA	PARTICIPANT	ENG	PRIVATE	No
FoF-09-2015	I4MS-Growth	30	28/02/2018	HOLONIX SRL-SPIN OFF DEL POLITECNICO DI MILANO	PARTICIPANT	HOLONIX	PRIVATE	No
FOF-12-2017	MIDIH	36		CEFRIEL - SOCIETA CONSORTILE A RESPONSABILITA LIMITATA	PARTICIPANT	CEFRIEL	PRIVATE	Yes
FOF-12-2017	MIDIH	36		POLITECNICO DI MILANO	PARTICIPANT	POLIMI	PUBLIC	Yes
FOF-12-2017	MIDIH	36		ENGINEERING - INGEGNERIA INFORMATICA SPA	PARTICIPANT	ENG	PRIVATE	No
FOF-12-2017	MIDIH	36		CENTRO RICERCHE FIAT SCPA	PARTICIPANT	CRF	PRIVATE	Yes



# Competence centers/DIHs funded by EU projects in Italy in H2020 [2-2]

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		POLITECNICO DI MILANO	PARTICIPANT	POLIMI	PUBLIC	Yes
FOF-12-2017	L4MS	42		ENGINEERING - INGEGNERIA INFORMATICA SPA	PARTICIPANT	ENG	PRIVATE	No
FOF-12-2017	AMable	48		POLITECNICO DI TORINO	PARTICIPANT	POLITO	PUBLIC	Yes
FOF-12-2017	CloudiFacturing	42		Jonica Impianti S.r.l.	PARTICIPANT	JIMP	PRIVATE	N/A
FOF-12-2017	CloudiFacturing	42		Cooperlat Soc. Coop. Agricola	PARTICIPANT	Trevalli	PRIVATE	No
FOF-12-2017	CloudiFacturing	42		STAM SRL	PARTICIPANT	STAM	PRIVATE	No
FOF-12-2017	CloudiFacturing	42		ZANNINI-SPA	PARTICIPANT	ZAN	PRIVATE	No
FOF-12-2017	CloudiFacturing	42		CENTRO DI PROGETTAZIONE, DESIGN & TECNOLOGIE DEI MATERIALI	PARTICIPANT	CETMA	PRIVATE	Yes
FOF-12-2017	CloudiFacturing	42		ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA	PARTICIPANT	UNIBO	PUBLIC	Yes
ICT-01-2014	EuroCPS	36	31/01/2018	STMICROELECTRONICS SRL	PARTICIPANT	STMICROELECTRONICS SRL	PRIVATE	No
ICT-01-2014	EuroCPS	36	31/01/2018	ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA	PARTICIPANT	UNIBO	PUBLIC	Yes
ICT-04-2017	TETRAMAX	48	31/08/2021	UNIVERSITA DI PISA	PARTICIPANT	PISA	PUBLIC	Yes
ICT-04-2017	FED4SAE	36	31/08/2020	STMICROELECTRONICS SRL	PARTICIPANT	ST-I	PRIVATE	No
ICT-14-2016-2017	Data Pitch	36	31/12/2019	TELECOM ITALIA SPA	PARTICIPANT	TIM	PRIVATE	No

# Competence centers/DIHs funded by EU projects in Italy in FP7 [1-3]

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	Participant Country
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	UNIPD	UNIVERSITA DEGLI STUDI DI PADOVA	Participant	HES	IT
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	MCM	MACHINING CENTERS MANUFACTURING S.P.A.	Participant	PRC	IT
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	STAM	STAM SRL	Participant	PRC	IT
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	LOCCIONI	AEA s.r.l.	Participant	PRC	IT
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	ITR	IT+ROBOTICS SRL	Participant	PRC	IT
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	IIT	FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA	Participant	REC	IT
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	CNR	CONSIGLIO NAZIONALE DELLE RICERCHE	Participant	REC	IT
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	CREATE	C.R.E.A.T.E. CONSORZIO DI RICERCA PER L'ENERGIA L AUTOMAZIONE E LE TECNOLOGIE DELL'ELETTROMAGNETISMO	Coordinator	REC	IT
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	TLABS	Telerobot Labs S.r.l.	Participant	PRC	IT
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	IMA	I.M.A. INDUSTRIA MACCHINE AUTOMATICHE SPA	Participant	PRC	IT
608886	CloudSME	33	01-Jul-2013	31-Mar-2016	29	BASE	BASE PROTECTION SRL	Participant	PRC	IT
608886	CloudSME	33	01-Jul-2013	31-Mar-2016	29	IOR	ISTITUTO ORTOPEDICO RIZZOLI	Participant	REC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	UTV	UNIVERSITA DEGLI STUDI DI ROMA TORVERGATA	Participant	HES	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	ENGINSOFT	ENGINSOFT SPA	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	UNIVAQ	UNIVERSITA DEGLI STUDI DELL'AQUILA	Participant	HES	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	SCRIBA	SCRIBA NANOTECNOLOGIE SRL	Participant	PRC	IT

# Competence centers/DIHs funded by EU projects in Italy in FP7 [2-3]

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	Participant Country
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	OPT	Optimad engineering s.r.l.	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	PRYSMIAN	PRYSMIAN	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	UNIMORE	UNIVERSITA DEGLI STUDI DI MODENA E REGGIO EMILIA	Participant	HES	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	HOLONIX	HOLONIX SRL-SPIN OFF DEL POLITECNICO DI MILANO	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	CINECA	CONSORZIO INTERUNIVERSITARIO CINECA	Participant	REC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	ERGOLINES	ERGOLINES LAB SRL	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	IMR	IMR ENGINEERING & TECHNOLOGIES SRL	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	MOXOFF	MOXOFF SRL-SPIN OFF DEL POLITECNICODI MILANO	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	ALA	AUTOMOBILI LAMBORGHINI SPA	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	VE&D	vehicle engineering and design s.r.l.	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	T2I	T2I - TRASFERIMENTO TECNOLOGICO E INNOVAZIONE S.C.A R.L.	Participant	REC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	PROGESI	PROGESI SPA	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	HSL	HSL SRL A SOCIO UNICO	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	ZECO	ZECO DI ZERBARO E COSTA E C SRL	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	eAmb	eAMBIENTE SRL	Participant	PRC	IT
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	Nolangroup	NOLANGROUP SPA	Participant	PRC	IT

# Competence centers/DIHs funded by EU projects in Italy in FP7 [3-3]

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	CRF	CENTRO RICERCHE FIAT SCPA	Participant	REC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	PRIMA	PRIMA INDUSTRIE SPA	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	SSE	SOLAR SYSTEMS & EQUIPMENT S.R.L.	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	TTS	TTS TECHNOLOGY TRANSFER SYSTEMS SRL	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	FICEP	FICEP S.P.A.	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	STAM	STAM SRL	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	MARPOSS	Marposs SpA	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	UNIFI	UNIVERSITA DEGLI STUDI DI FIRENZE	Participant	HES
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	TECMA	TECMA SRL	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	GIRAR	GIRARDINI SRL	Participant	PRC
609355	APPOLO	48	01-Sep-2013	31-Aug-2017	36	CRF	CENTRO RICERCHE FIAT SCPA	Participant	REC
609355	APPOLO	48	01-Sep-2013	31-Aug-2017	36	BIOAGE	BIOAGE SRL	Participant	PRC
609355	APPOLO	48	01-Sep-2013	31-Aug-2017	36	IRIS	IRIS SRL	Participant	PRC
609355	APPOLO	48	01-Sep-2013	31-Aug-2017	36	OPI	OPI PHOTONICS SRL	Participant	PRC
609355	APPOLO	48	01-Sep-2013	31-Aug-2017	36	OSAI	OSAI AUTOMATION SYSTEM SPA	Participant	PRC
609355	APPOLO	48	01-Sep-2013	31-Aug-2017	36	LAC	LAC SPA	Participant	PRC
609355	APPOLO	48	01-Sep-2013	31-Aug-2017	36	SISMA	SISMA SPA	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

Italy

Region

### Cluster Organisations

Sectoral Industries

All sectors

Emerging industries

All emerging industri

Technology fields

All categories

All fields

S3 EU priority areas

All S3 priority areas

Participation in EU programmes

Any

Number of staff

Any

Total number of members

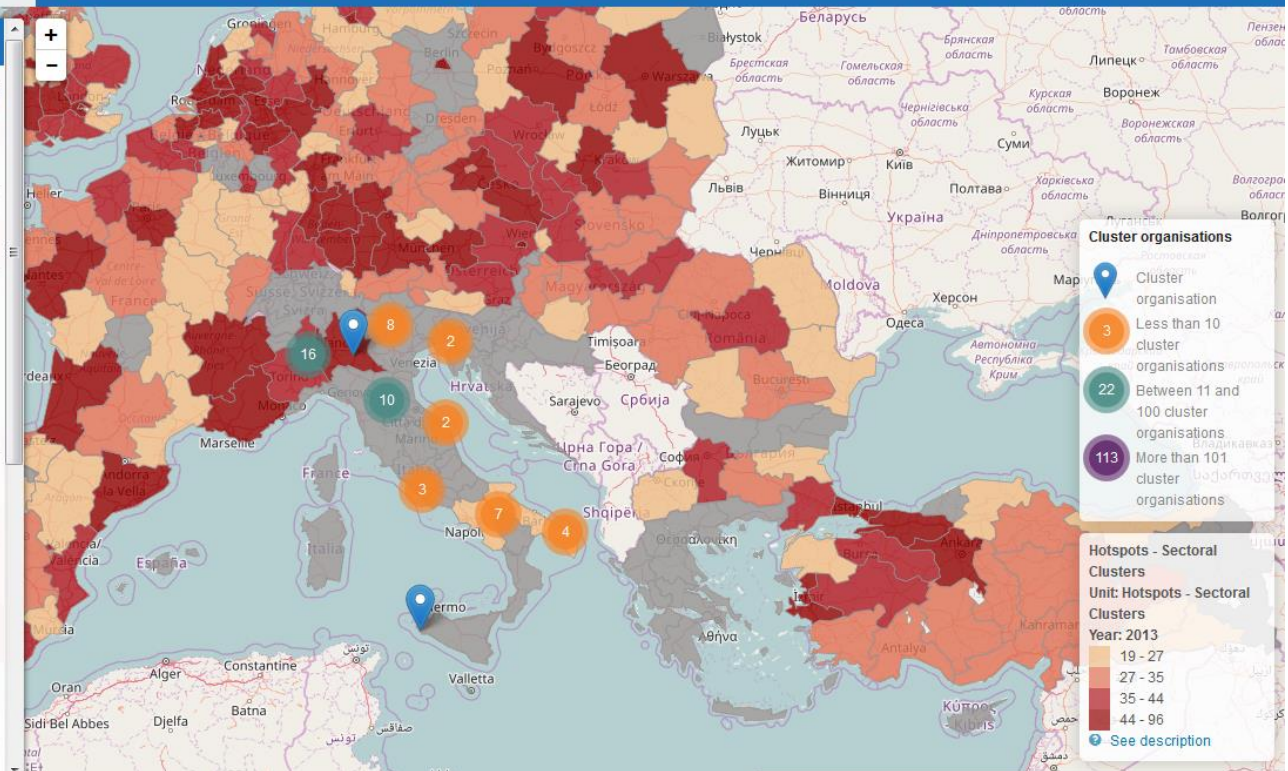
Any

ESCP-4i Membership

None


Cluster Excellence Label/Award

Anv




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

Please see [WG1 report](#)


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**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

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Contracts and grants

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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)**.

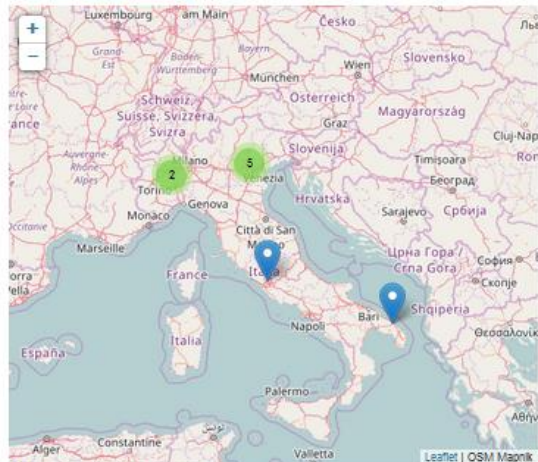
The Technology centres are selected according to [criteria](#) demonstrating their capacity to collaborate with **SMEs** on close-to-market research and innovation (Technology Readiness Levels 3 to 8, not necessarily the whole range).

**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



**What are KETs Technology Centres?**

**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%5B0%5D=IT](https://ec.europa.eu/growth/tools-databases/kets-tools/kets-tc/map?field_postal_address_country%5B0%5D=IT)

## eit Digital Co-Location Centre in Trento

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Overview

Action Lines

Locations

Brussels Head Office

Berlin Node

Budapest Node

Eindhoven Node

Helsinki Node

Madrid Node

London Node

Paris Node

Stockholm Node

Trento Node

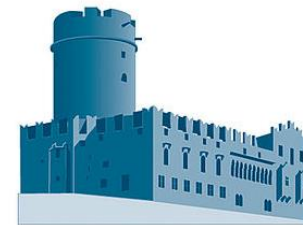
## Trento Node

**The Italian node clusters leading ICT players in Italy.** Through the active participation of its core and affiliated partners EIT Digital Italy plays a strong role in the Italian ICT arena.

The core partners of the EIT Digital Italy are Engineering Ingegneria Informatica, Fondazione Bruno Kessler, TIM, and Università degli Studi di Trento.

The affiliate academic partners are Alma Mater Studiorum Università di Bologna, Consiglio Nazionale delle Ricerche, Politecnico di Milano, Politecnico di Torino. The affiliate industrial partners are CEFRIEL, Centro Ricerche Fiat, Poste Italiane, Reply, and STMicroelectronics.

EIT Digital in Italy has its Co-Location Centre (CLC) in Trento and from 2014 a [Satellite Co-Location Centre in Milan](#).



VISIT →

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

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



European  
Commission

# Pilot Lines in Nanotechnology and Advanced Materials [1-3]

Project Number	Project Acronym	Project Title	Project Start Date	Project End Date	Participant Legal Name	Participant Short Name	Sectors	Pilot line
646155	INSPIRED	Industrial Scale Production of Innovative nanomaterials for printed Devices	01/01/2015	31/12/2018	ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA	UNIBO		
646307	PLATFORM	Open access pilot plants for sustainable industrial scale nanocomposites manufacturing based on buckypapers, doped veils and prepregs	01/02/2015	31/01/2018	CENTRO RICERCHE FIAT SCPA	CRF		
646307	PLATFORM	Open access pilot plants for sustainable industrial scale nanocomposites manufacturing based on buckypapers, doped veils and prepregs	01/02/2015	31/01/2018	DELTA TECH SPA	DELTA TECH SPA		
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	IFOM FONDAZIONE ISTITUTO FIRCI DI ONCOLOGIA MOLECOLARE	IFOM		
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	ISTITUTO TUMORI "GIOVANNI PAOLO II"	IRCCS Bari		
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	CENTRO EUROPEO PER I POLIMERI NANOSTRUTTURATI SCARL	ECNP S.C.A.R.L.		
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	D'APPOLONIA SPA	D'APPOLONIA SPA		
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	NANTO CLEANTECH SPA	NTC	Nanocomposites for construction & engineering sectors	Pilot plant for the production of anticorrosion nanocomposite coatings
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	STAMTECH SRL	STAM SRL		
685825	FAST	Functionally graded Additive Manufacturing scaffolds by hybrid manufacturing	01/12/2015	30/11/2019	NADIR SRL	NDR		





# Pilot Lines in Nanotechnology and Advanced Materials [2-3]

Project Number	Project Acronym	Project Title	Project Start Date	Project End Date	Participant Legal Name	Participant Short Name	Sectors	Pilot line
685825	FAST	Functionally graded Additive Manufacturing scaffolds by hybrid manufacturing	01/12/2015	30/11/2019	PROLABIN & TEFARM SRL	PRL		
685825	FAST	Functionally graded Additive Manufacturing scaffolds by hybrid manufacturing	01/12/2015	30/11/2019	UNIVERSITA DEGLI STUDI DI PADOVA	PU		
685872	MOZART	Mesoporous matrices for localized pH-triggered release of the therapeutic ions and drugs	01/11/2015	31/10/2019	NOBIL BIO RICERCHE SRL	NBR		
685872	MOZART	Mesoporous matrices for localized pH-triggered release of the therapeutic ions and drugs	01/11/2015	31/10/2019	POLITECNICO DI TORINO	POLITO		
685952	NANOTUN3D	Development of the complete workflow for producing and using a novel nanomaterial Ti-based alloy for additive manufacturing in special applications.	01/10/2015	31/03/2019	APR SRL	APR SRL	The AM industry. -The manufacturing activities included in the supply chain of the aerospace sectors - Powder-metallurgy industry.	Nanomaterial Ti6Al4V after melting processed
686116	OptiNanoPro	Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines	01/10/2015	30/09/2018	MATRES SCRL	MATRES		
686116	OptiNanoPro	Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines	01/10/2015	30/09/2018	MBN NANOMATERIALIA SPA	MBN		
686135	PROCETS	Protective composite Coatings via Electrodeposition and Thermal Spraying	01/01/2016	30/06/2019	MATRES SCRL	MATRES		
686135	PROCETS	Protective composite Coatings via Electrodeposition and Thermal Spraying	01/01/2016	30/06/2019	MBN NANOMATERIALIA SPA	MBN	Aerospace, automotive, paper mill industry, mining industry, chemical plants, pumps and valves, oil & gas, energy	Developed an oscillating high energy ball mill (HEBM) able to produce nanostructured materials
686135	PROCETS	Protective composite Coatings via Electrodeposition and Thermal Spraying	01/01/2016	30/06/2019	POLITECNICO DI MILANO	POLIMI		
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	ANGEL CONSULTING SAS DI MATTEO ZANOTTI RUSSO & C	AC		

# Pilot Lines in Nanotechnology and Advanced Materials [3-3]

European  
Commission

Project Number	Project Acronym	Project Title	Project Start Date	Project End Date	Participant Legal Name	Participant Short Name	Sectors	Pilot line
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	ISTITUTO DI RICERCHE FARMACOLOGICHE MARIO NEGRI	IRFMN		
686163	POROUS4APP	PILOT PLANT PRODUCTION OF CONTROLLED DOPED NANOPOROUS CARBONACEOUS MATERIALS FOR ENERGY AND CATALYSIS APPLICATIONS	01/03/2016	29/02/2020	META Group S.R.L	META		
686165	IZADI-NANO2INDUSTRY	Injection moulding, casting and coating PILOTS for the production of improved components with nano materials for automotive, construction and agricultural machinery.	01/11/2015	31/10/2018	BONFIGLIOLI RIDUTTORI SPA	BRI	Automotive, Construction, Agricultural Machinery	Coating of valve plate
686165	IZADI-NANO2INDUSTRY	Injection moulding, casting and coating PILOTS for the production of improved components with nano materials for automotive, construction and agricultural machinery.	01/11/2015	31/10/2018	C.R.C. CENTRO RICERCHE CAMOZZI SOCIETA A RESPONSABILITA LIMITATA IN SIGLA C.R.C. - CENTRO RICERCHE CAMOZZI S.R.L.	CRC		
686165	IZADI-NANO2INDUSTRY	Injection moulding, casting and coating PILOTS for the production of improved components with nano materials for automotive, construction and agricultural machinery.	01/11/2015	31/10/2018	FONDERIE MORA GAVARDO SPA	FMG	Automotive, Construction, Agricultural Machinery	(HARDcast gravity casting of swash plate)
686165	IZADI-NANO2INDUSTRY	Injection moulding, casting and coating PILOTS for the production of improved components with nano materials for automotive, construction and agricultural machinery.	01/11/2015	31/10/2018	WARRANT GROUP SRL	WG		

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



## 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: Italy

View a different country

Finances: Planned

Finances: Implemented

EU Payments

Achievements

Programmes

Italy, through 75 national programmes, benefits from ESIF funding of EUR 42.7 billion. This represents an average of 704 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 Italy 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 Italy.

Total EU National

Country Budget for 2014-2020:

€73 624 430 700

FINANCES: PLANNED

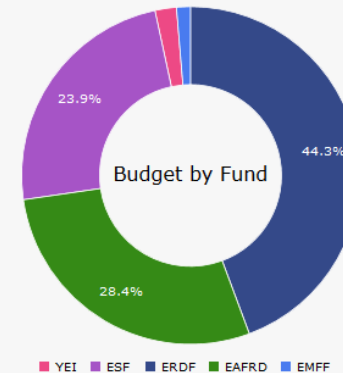
Total

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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): Italy, EUR

Explore and Share this Data



Refresh Date: 21/8/2017