

- Germany's national strategy for digitising industry pg 3
- Germany's performance in the DESI 2016 pg 4-11
- Level of Digital Intensity in German enterprises by sector and size pg 12-13
- Digital Innovation Hubs Catalogue, the Germany case pg 14
- Services provided and types of customers supported by DIHs in Germany – Analysis pg 15
- DIHs and Competence centres funded by EU projects in Germany in FP7 & H2020 pg 16-23
- Clusters and KETs in Germany pg 24-25
- eit Digital Co-Location Centres pg 26
- Pilot Lines in Nanotechnology and Advanced Materials pg 27-31
- Planned investments, allocated resources, in Germany, in relation to European Regional Development Funds in categories relevant for Digital Innovation Hubs pg 32



Germany's national strategy for digitising industry



Plattform Industrie 4.0

- A joint initiative launched at the **2013** Hannover Fair by the three German industry associations **BITKOM** (digital industry), **VDMA** (manufacturing industry) and **ZVEI** (electrics and electro-technology industry).
- Funding of its activities is secured **by the Federal Ministry for Economic Affairs and Energy (BMWi)** and the **Federal Ministry of Education and Research (BMBF)**.
- Online map Industry 4.0 (**Landkarte**): 250 application examples show where Industry 4.0 is being applied in practice (testbeds).
- New online library Industry 4.0 (**Online-Bibliothek**): contains guidelines, publications and studies offering simple and systematic access.

www.plattform-i40.de

www.bmbf.de/de/zukunftsprojekt-industrie-4-0-848.html

Funding

- **BMBF** has approved a funding of over **470M EUR** for the research agenda of Industrie 4.0.

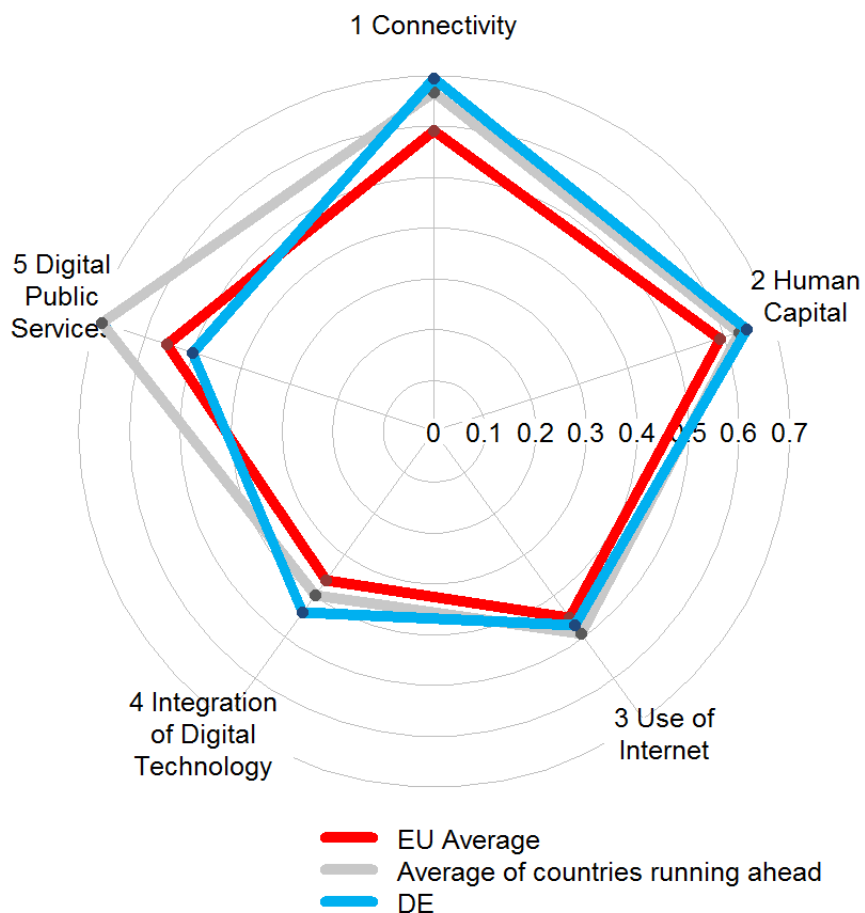
Innovation vouchers

- In **July 2017**, **BMWi** launched the funding program "**go digital**" which supports **SMEs and workshops** to advance their own digitization in three areas: **IT security**, **digital marketing** and **digitized business processes**.

For more information please refer to the individual report per Member State on the national and regional initiatives on Digitising European Industry available on <https://ec.europa.eu/futurium/en/implementing-digitising-european-industry-actions/national-initiatives-digitising-industry>

Germany ranks 9 among EU countries.

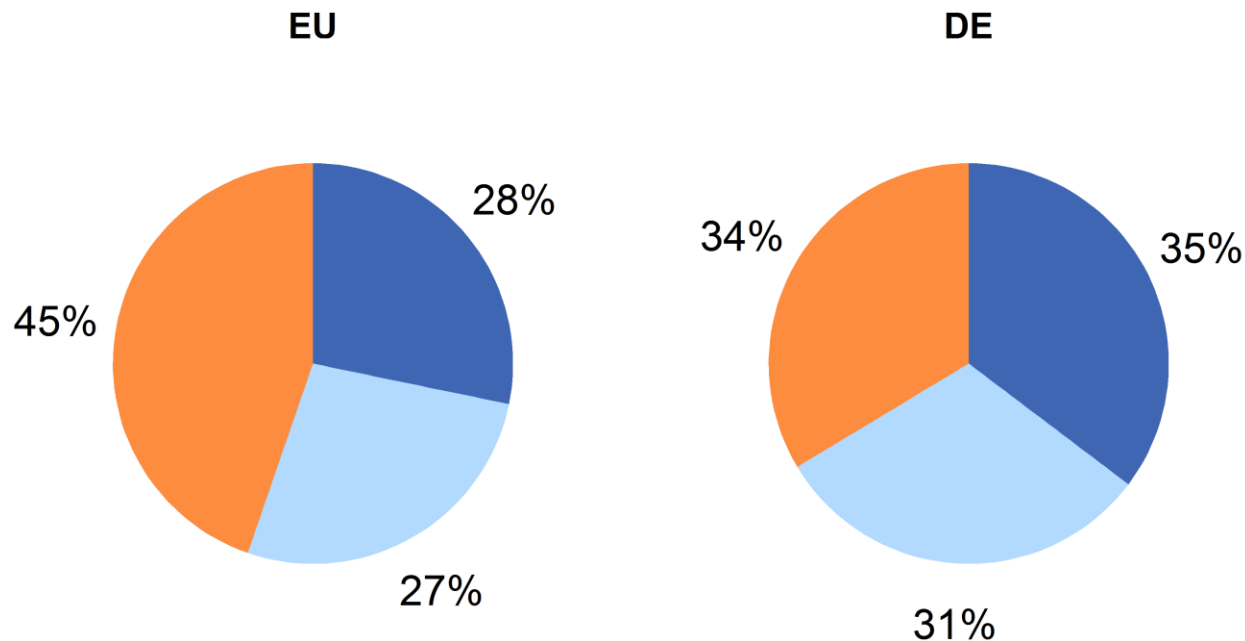
It is part of the group of countries that are running ahead.



In Germany 31% of citizens have basic digital skills (27% in the EU) and 35% have above basic digital skills (28% in the EU).

Digital Skills (2015)

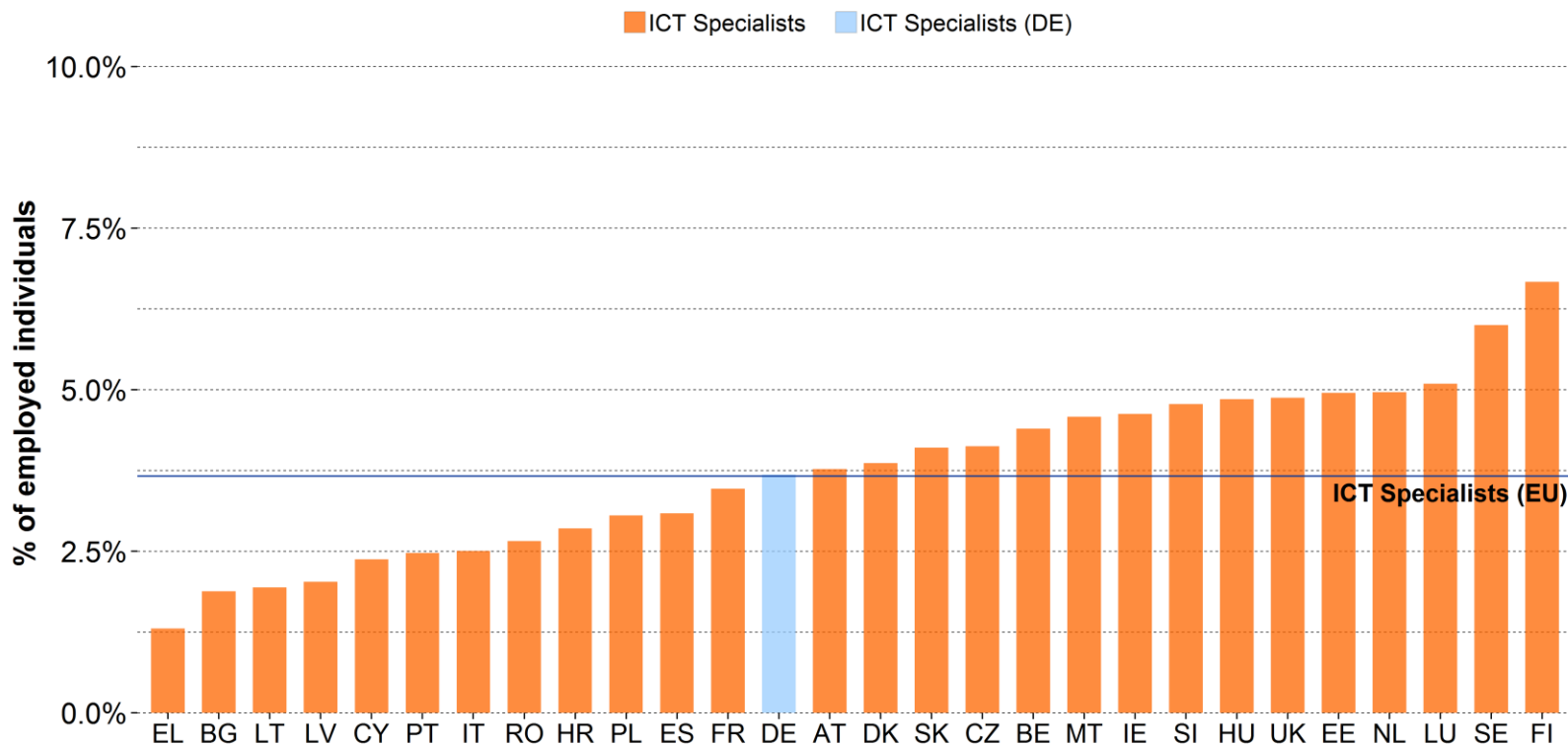
■ Above basic digital skills ■ Basic digital skills ■ Low or no digital skills, or do not use the internet



% of individuals

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

ICT Specialists in the workforce (2014)

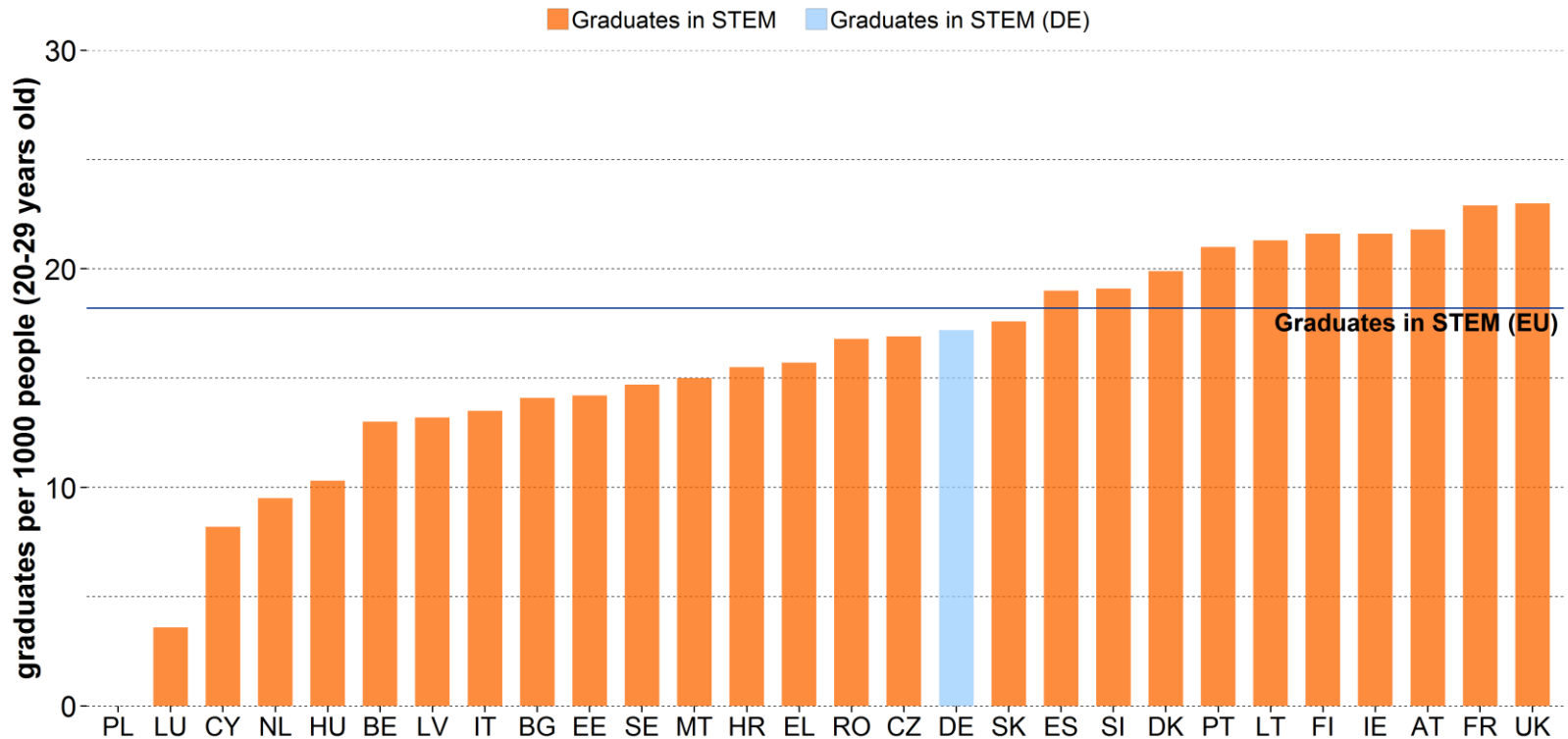


Human Capital: Graduates in STEM (Science, Technology and Mathematics)

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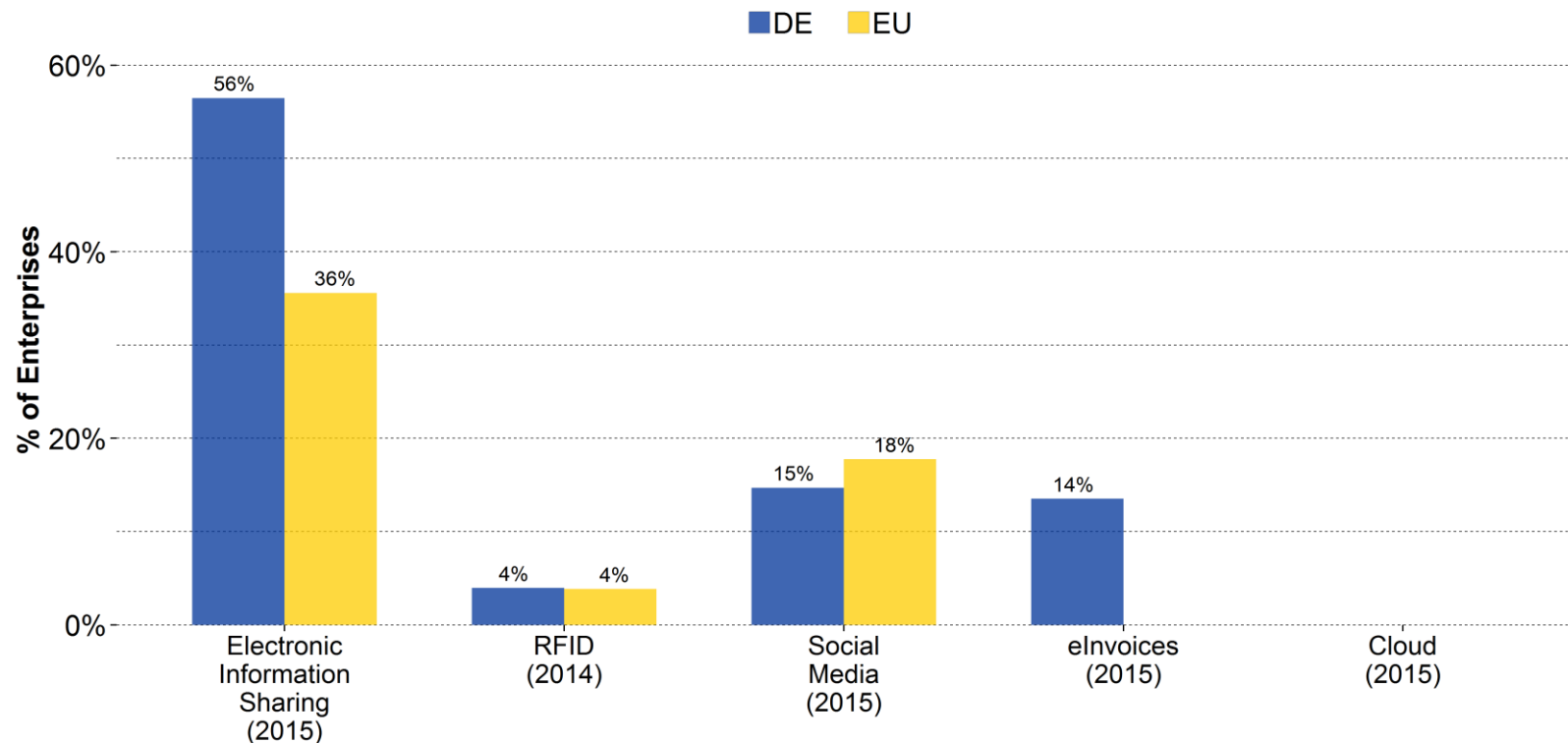
**Germany has 17 graduates in STEM per each 1000 people aged
20-29 years old (18 in the EU).**

Graduates in Science, Technology and Mathematics (2013)



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

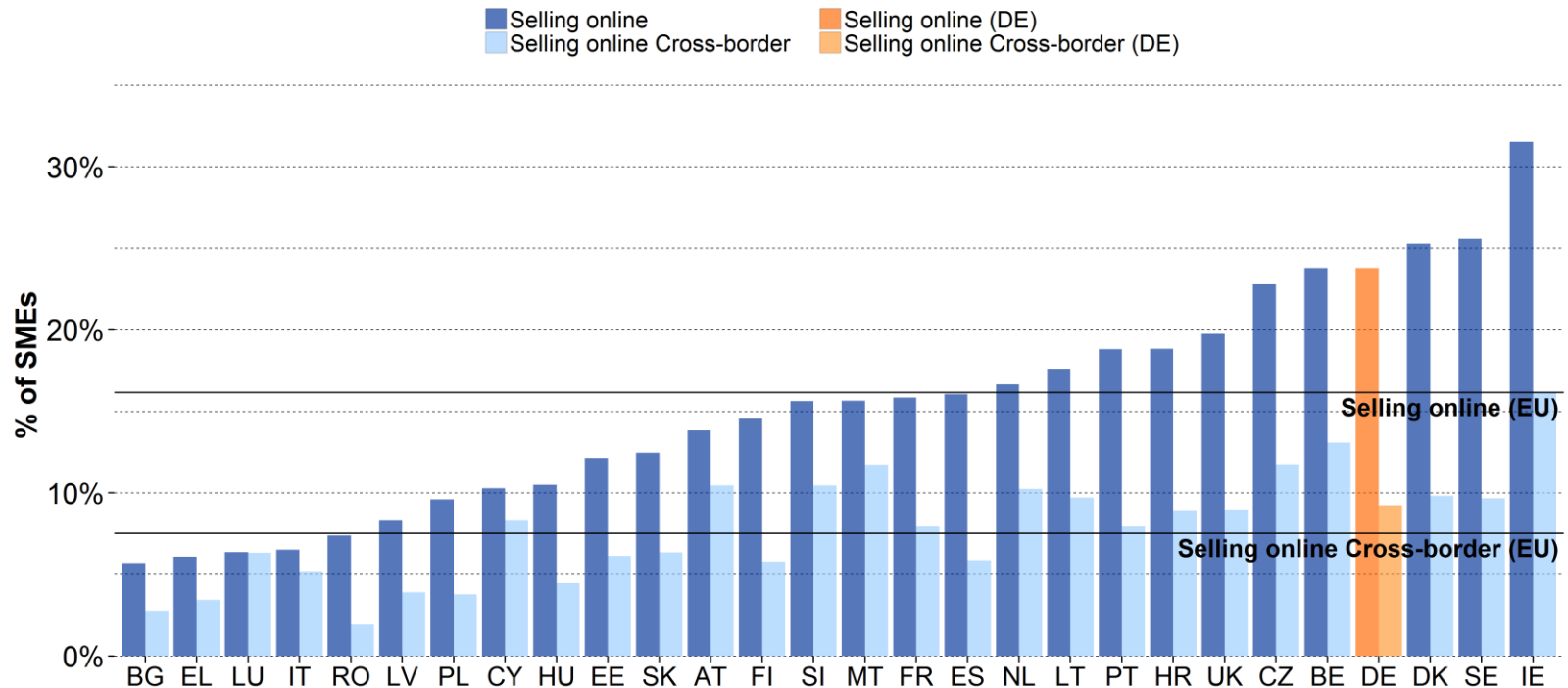
Adoption of Digital Technology by Businesses



In Germany 24% of SMEs sell online (16% in the EU).

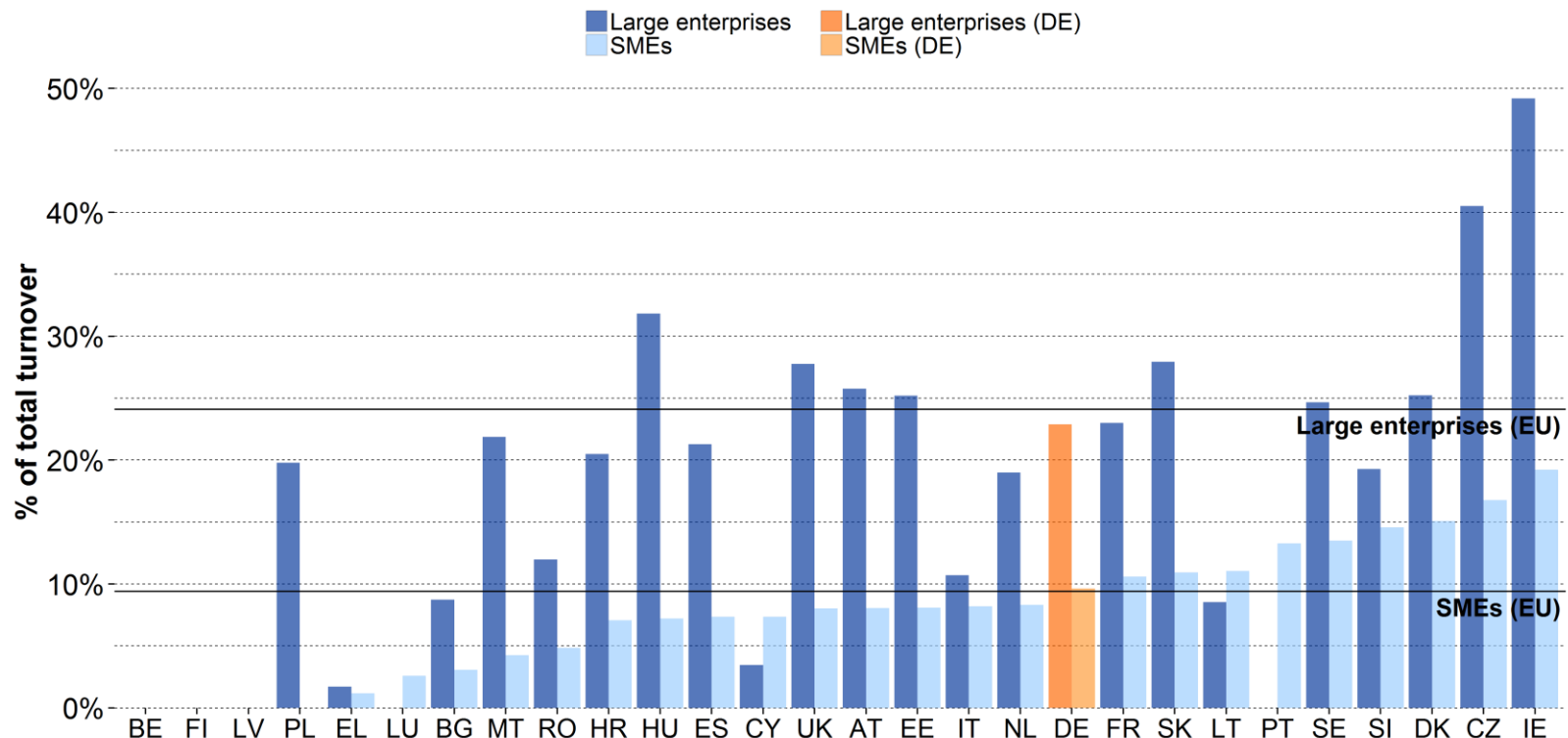
9.2% of German SMEs sell online to other EU countries (7.5% in the EU).

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



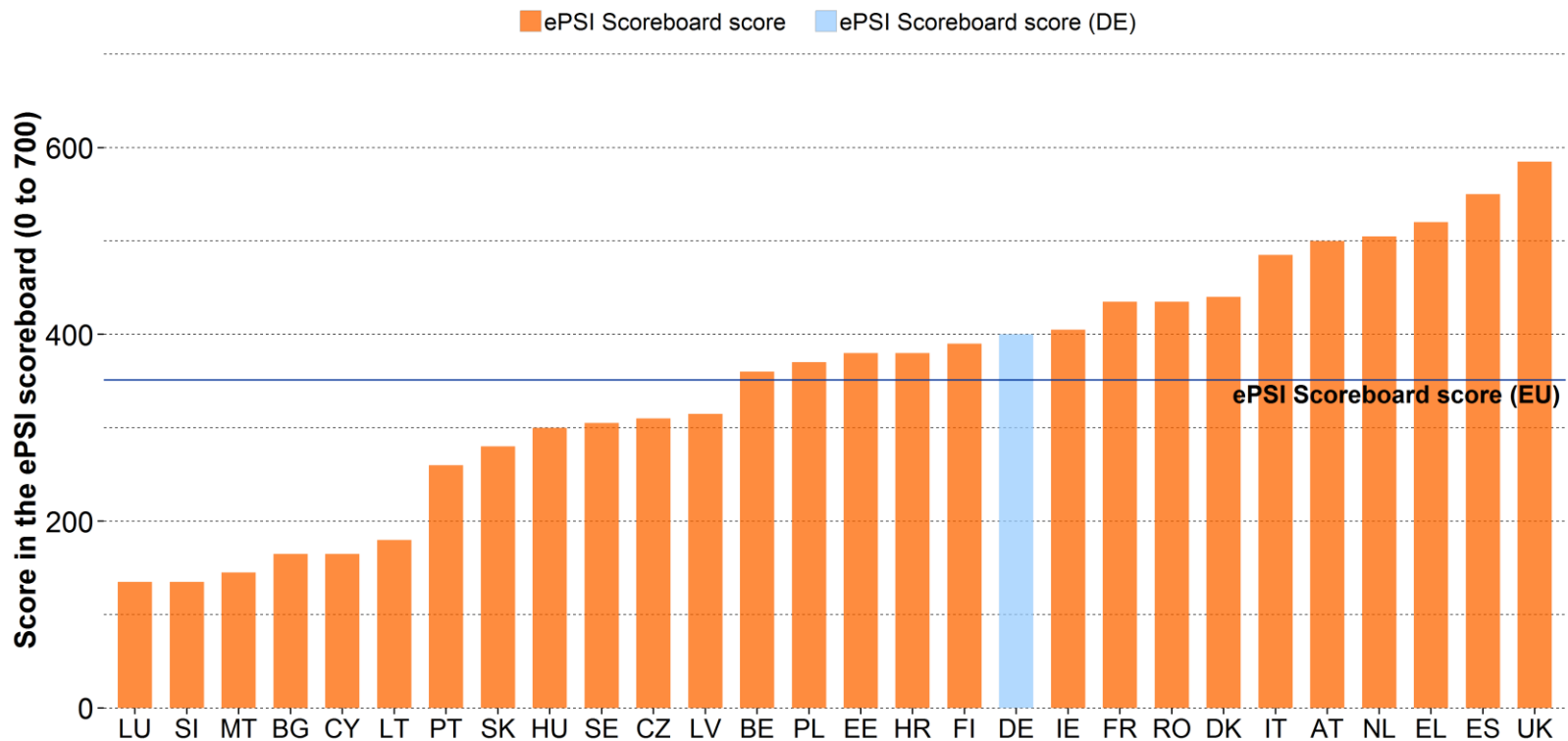
**SMEs in Germany obtain on average 9.6% of their turnover from eCommerce (9.4% in the EU).
Large enterprises derive on average 23% of their turnover from eCommerce (24% in the EU).**

Turnover from eCommerce (2015)



Germany scores 400 out of 700 in the European Public Sector Information scoreboard, against an overall score of 351 out of 700 for the European Union.

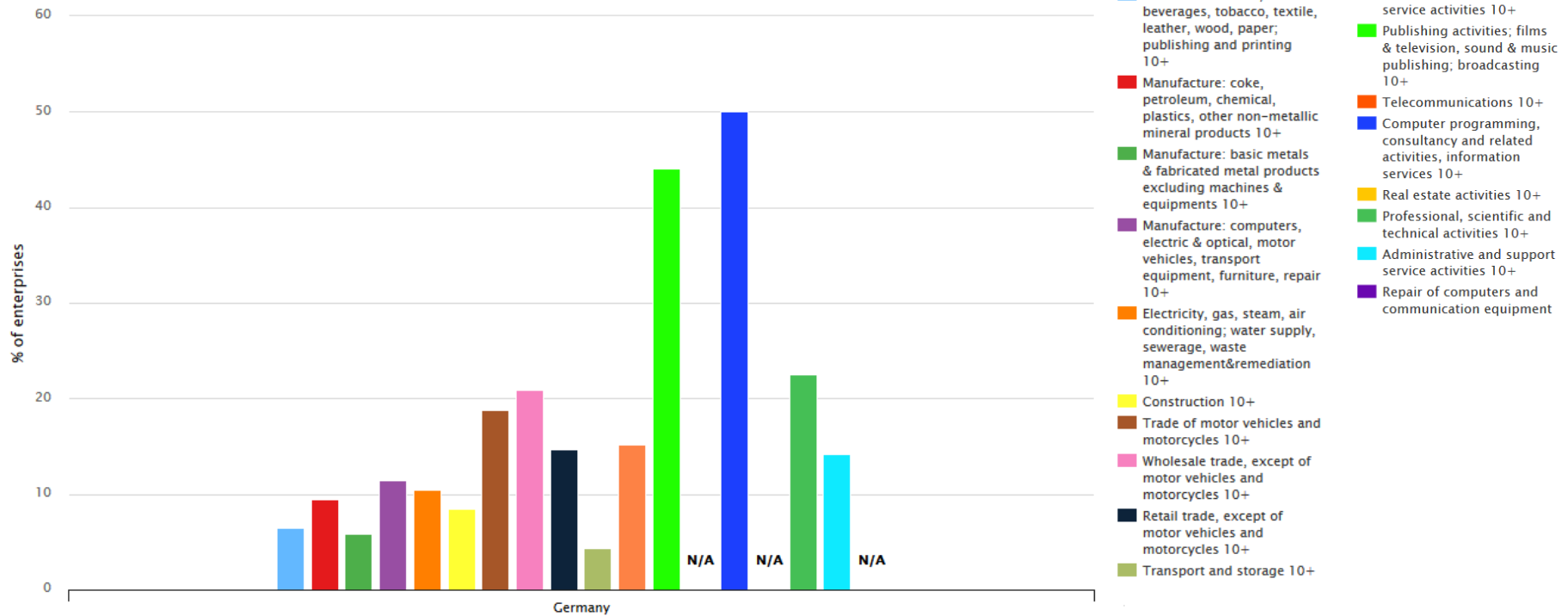
Open Data (2015)



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

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 10+
- 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+
- Professional, scientific and technical activities 10+

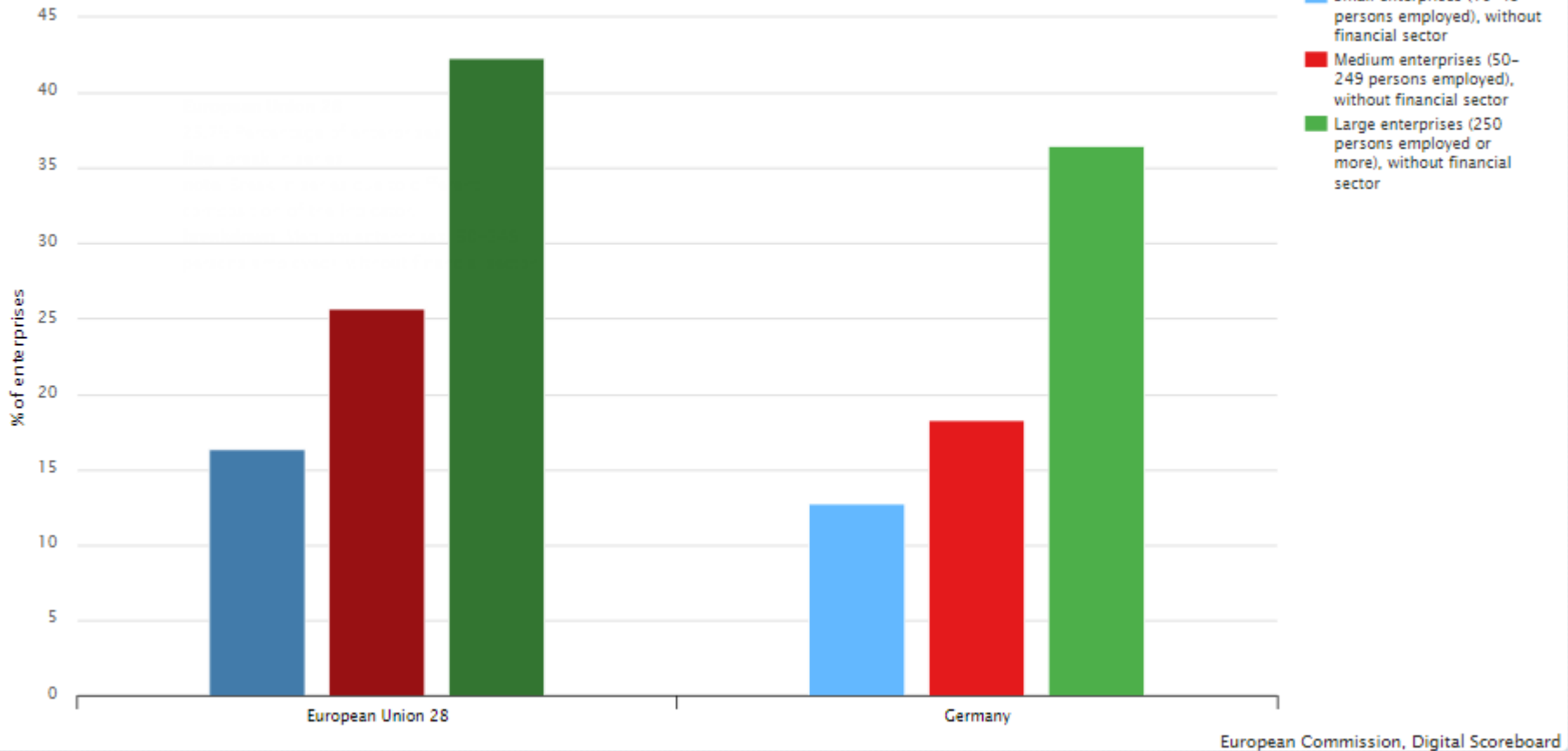
Sectors where more than 30% of the companies have a high level of digital intensity:

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

[http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={"indicator-group":"ebusiness","indicator":"e_di_hivhi","breakdown-group":"econsector","unit-measure":"pc_ent","time-period":"2016","ref-area":\["DE"\]}](http://digital-agenda-data.eu/charts/analyse-one-indicator-and-compare-breakdowns#chart={)

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

Digital Innovation Hubs Catalogue

The Germany case

European
Commission



SMART SPECIALISATION PLATFORM



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

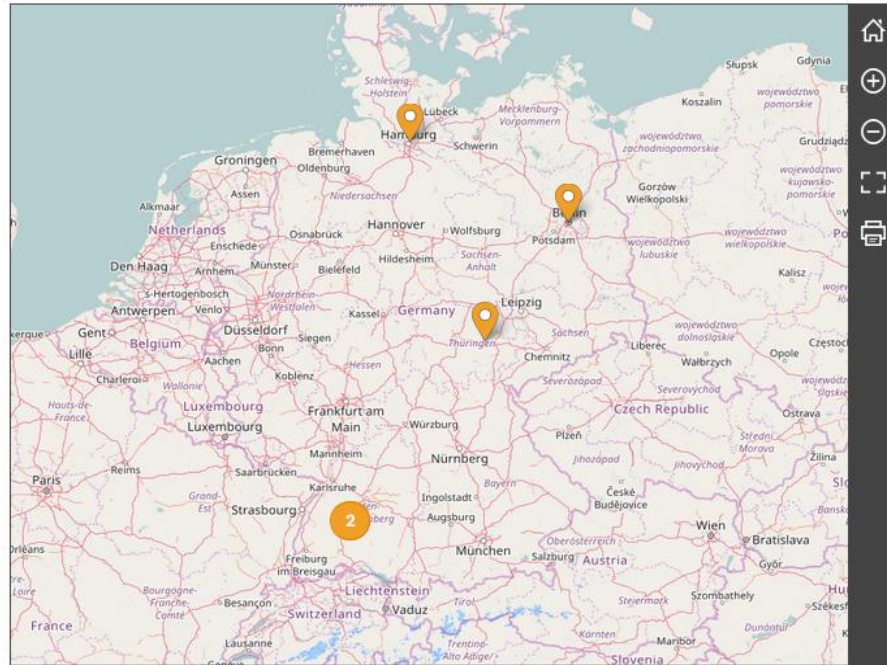
Home S3 Platform Sections Tools News Events Knowledge Repository

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
GERMANY

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

Export Hubs to csv

Leaflet | © OpenStreetMap contributors | Disclaimer

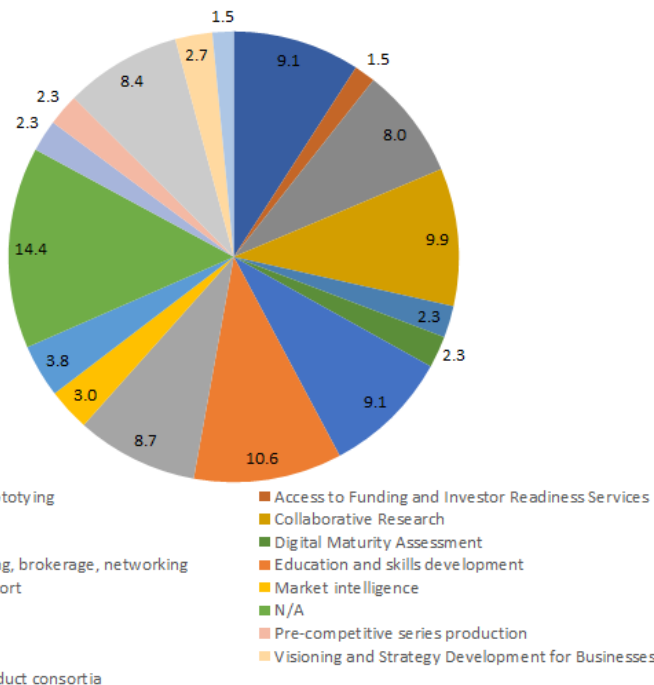
Hub Name	Location	Country	Contact	Phone	Email	Website
Berlin-Brandenburger Cluster ICT, media and creative industries	Fasanenstr. 85, 10623, Berlin	Germany	Michael Stamm	+49 30 46302-414		
Fraunhofer Future Work Lab (FWL)	Pfaffenwaldring 19, 70569, Stuttgart	Germany	Moritz Hämmerle (IAO) Simon Schumacher (IPA)	+49 711 970 2284		
Mahn-Schickard Gesellschaft für	Wilhelm-Schickard-Str. 10,	Germany	Prof. Dr. Axel Sikora	+49 7723		

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

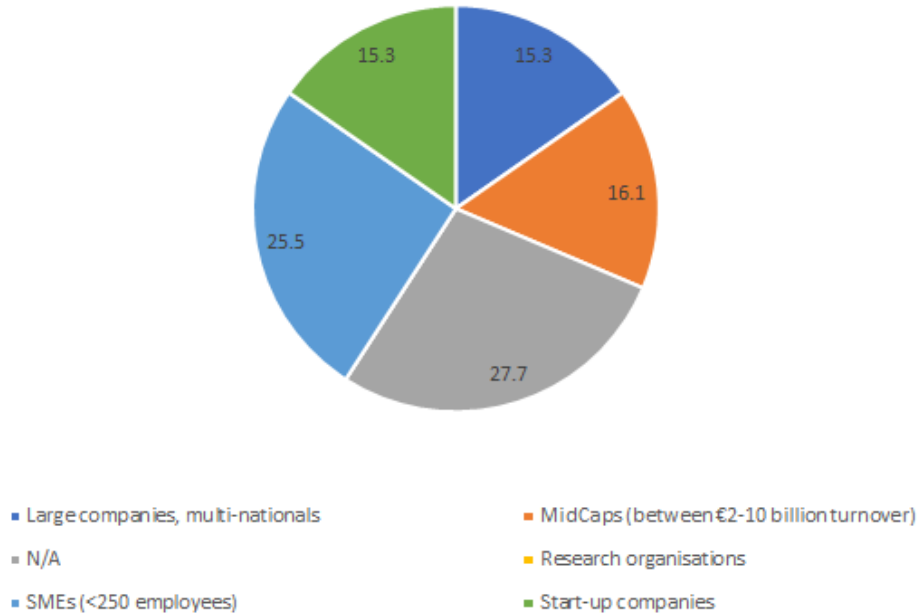
JRC-B3-DIH@ec.europa.eu

Services provided and types of customers supported by DIHs in Germany - 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 Germany in H2020 [1/3]

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	XS2I4MS	30	28/02/2018	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	Fraunhofer	PRIVATE	Yes
FoF-09-2015	ReconCell	36	31/10/2018	GEORG-AUGUST-UNIVERSITAT GOTTINGENSTIFTUNG OFFENTLICHEN RECHTS	PARTICIPANT	UGOE	PRIVATE	Yes
FoF-09-2015	ReconCell	36	31/10/2018	RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN	PARTICIPANT	MMI	PUBLIC	Yes
FoF-09-2015	Fortissimo 2	36	31/10/2018	CFD SCHUCK INGENIEURGESELLSCHAFT MBH	PARTICIPANT	CFDSCHUCK	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	SICOS BW GMBH	PARTICIPANT	SICOS	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	SCAPOS AG	PARTICIPANT	SCAPOS	PRIVATE	No
FoF-09-2015	Fortissimo 2	36	31/10/2018	UNIVERSITAET STUTTGART	PARTICIPANT	USTUTT	PUBLIC	Yes
FoF-09-2015	Fortissimo 2	36	31/10/2018	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	FRAUNHOFER	PRIVATE	Yes
FoF-09-2015	BEinCPPS	36	31/10/2018	JOHN DEERE GMBH & CO. KG*JD	PARTICIPANT	JD	PRIVATE	No
FoF-09-2015	BEinCPPS	36	31/10/2018	FORTISS GMBH	PARTICIPANT	FORTISS	PRIVATE	Yes
FoF-09-2015	BEinCPPS	36	31/10/2018	DEUTSCHES FORSCHUNGSZENTRUM FUR KUNSTLICHE INTELLIGENZ GMBH	PARTICIPANT	DFKI	PRIVATE	Yes
FoF-09-2015	BEinCPPS	36	31/10/2018	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	FhG IPA	PRIVATE	Yes
FoF-09-2015	HORSE	54	30/04/2020	PROSYST SOFTWARE GmbH	PARTICIPANT	PROS	PRIVATE	No
FoF-09-2015	HORSE	54	30/04/2020	STIFTUNG FZI FORSCHUNGSZENTRUM INFORMATIK AM KARLSRUHER INSTITUT FUR TECHNOLOGIE	PARTICIPANT	FZI	PRIVATE	Yes
FoF-09-2015	HORSE	54	30/04/2020	TECHNISCHE UNIVERSITAET MUENCHEN	PARTICIPANT	TUM	PUBLIC	Yes



Competence centers/DIHs funded by EU projects in Germany in H2020 [2/3]

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	MIDIH	36		FIWARE FOUNDATION EV	PARTICIPANT	FIWARE	PRIVATE	No
FOF-12-2017	MIDIH	36		INDUSTRIAL DATA SPACE EV	PARTICIPANT	IDSA	PRIVATE	No
FOF-12-2017	MIDIH	36		FORTISS GMBH	PARTICIPANT	FORTISS	PRIVATE	Yes
FOF-12-2017	MIDIH	36		FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	Fraunhofer	PRIVATE	Yes
FOF-12-2017	L4MS	42		FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	IML	PRIVATE	Yes
FOF-12-2017	I4MS-Go	30		FIWARE FOUNDATION EV	PARTICIPANT	FIF	PRIVATE	No
FOF-12-2017	AMable	48		Industrial Data Space e.V.	PARTICIPANT	Industrial Data Space Association	PRIVATE	No
FOF-12-2017	AMable	48		ROLAND BERGER GMBH	PARTICIPANT	ROLAND BERGER GMBH	PRIVATE	No
FOF-12-2017	AMable	48		FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	COORDINATOR	Fraunhofer	PRIVATE	Yes
FOF-12-2017	CloudiFacturing	42		machineering GmbH & Co. KG	PARTICIPANT	machineering	PRIVATE	N/A
FOF-12-2017	CloudiFacturing	42		CLESGO UG (haftungsbeschränkt)	PARTICIPANT	CLESGO	PRIVATE	No
FOF-12-2017	CloudiFacturing	42		CLOUDSME UG	PARTICIPANT	CLOUDSME	PRIVATE	No
FOF-12-2017	CloudiFacturing	42		HANNING ELEKTRO-WERKE GmbH & Co.KG	PARTICIPANT	HANNING	PRIVATE	No
FOF-12-2017	CloudiFacturing	42		DEUTSCHES FORSCHUNGSZENTRUM FUR KUNSTLICHE INTELLIGENZ GMBH	PARTICIPANT	DFKI	PRIVATE	Yes
FOF-12-2017	CloudiFacturing	42		FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	COORDINATOR	Fraunhofer	PRIVATE	Yes



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Commission

Competence centers/DIHs funded by EU projects in Germany in H2020 [3/3]

Project Topic Code	Project Acronym	Project Duration	Project End Date	Participant Legal Name	Participant Role	Participant Short Name	Core Legal Entity Type	Research Organisation?
ICT-01-2014	EuroCPS	36	31/01/2018	FINEPOWER GMBH	PARTICIPANT	FPG	PRIVATE	No
ICT-01-2014	EuroCPS	36	31/01/2018	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	Fraunhofer	PRIVATE	Yes
ICT-01-2014	CPSELabs	36	31/01/2018	FORTISS GMBH	COORDINATOR	FOR	PRIVATE	Yes
ICT-01-2014	CPSELabs	36	31/01/2018	STEINBEIS INNOVATION GGMBH	PARTICIPANT	SEZ	PRIVATE	Yes
ICT-01-2014	CPSELabs	36	31/01/2018	OFFIS EV	PARTICIPANT	OFF	PRIVATE	Yes
ICT-02-2014	SMARTER-SI	36	31/01/2018	HAHN-SCHICKARD-GESELLSCHAFT FUER ANGEWANDTE FORSCHUNG E.v.	COORDINATOR	IMIT	PRIVATE	Yes
ICT-02-2014	SMARTER-SI	36	31/01/2018	CIS FORSCHUNGSINSTITUT FUR MIKROSENSORIK GMBH	PARTICIPANT	CIS	PRIVATE	Yes
ICT-02-2014	SMARTER-SI	36	31/01/2018	VDI/VDE INNOVATION + TECHNIK GMBH	PARTICIPANT	VDIVDE	PRIVATE	No
ICT-02-2014	GateOne	36	31/12/2017	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	Fraunhofer	PRIVATE	Yes
ICT-04-2017	TETRAMAX	48	31/08/2021	ZENIT ZENTRUM FUR INNOVATION UND TECHNIK IN NORDRHEIN-WESTFALEN GMBH	PARTICIPANT	ZENIT	PRIVATE	No
ICT-04-2017	TETRAMAX	48	31/08/2021	TECHNISCHE UNIVERSITAET MUENCHEN	PARTICIPANT	TUM	PUBLIC	Yes
ICT-04-2017	TETRAMAX	48	31/08/2021	RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN	COORDINATOR	RWTH	PUBLIC	Yes
ICT-04-2017	TETRAMAX	48	31/08/2021	RUHR-UNIVERSITAET BOCHUM	PARTICIPANT	RUB	PUBLIC	Yes
ICT-04-2017	Smart4Europe	24	31/08/2019	FORTISS GMBH	PARTICIPANT	FORTISS	PRIVATE	Yes
ICT-04-2017	Smart4Europe	24	31/08/2019	HAHN-SCHICKARD-GESELLSCHAFT FUER ANGEWANDTE FORSCHUNG E.v.	COORDINATOR	HS	PRIVATE	Yes
ICT-04-2017	SmartEEs	36	13/09/2020	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	FHG	PRIVATE	Yes
ICT-04-2017	FED4SAE	36	31/08/2020	FORTISS GMBH	PARTICIPANT	FORTISS	PRIVATE	Yes
ICT-04-2017	FED4SAE	36	31/08/2020	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	FhG	PRIVATE	Yes
ICT-04-2017	DIATOMIC	36	31/08/2020	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	IPA	PRIVATE	Yes
ICT-15-2014	ODINE	30	31/07/2017	OPEN KNOWLEDGE FOUNDATION DEUTSCHLAND	PARTICIPANT	OKFDE	PRIVATE	Yes
ICT-15-2014	ODINE	30	31/07/2017	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	PARTICIPANT	Fraunhofer	PRIVATE	Yes

Competence centers/DIHs funded by EU projects in Germany in FP7 [1-5]

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
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	IPA	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Participant	REC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	KUKA	KUKA ROBOTER GMBH	Participant	PRC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	TUM	TECHNISCHE UNIVERSITAET MUENCHEN	Participant	HES
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	UBO	RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITAT BONN	Participant	HES
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	AIRBUS	AIRBUS OPERATIONS GMBH	Participant	PRC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	MRK	MRK - SYSTEME GMBH	Participant	PRC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	OPEL	ADAM OPEL AG	Participant	PRC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	KUKA	KUKA Laboratories GmbH	Participant	PRC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	DLR	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	Participant	REC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	FZI	STIFTUNG FZI FORSCHUNGSZENTRUM INFORMATIK AM KARLSRUHER INSTITUT FUR TECHNOLOGIE	Participant	REC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	ASC	ASCENDING TECHNOLOGIES GMBH	Participant	PRC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	CRN	CRN MANAGEMENT GMBH	Participant	PRC
608849	EuRoC	48	01-Jan-2014	31-Dec-2017	48	IGUS	IGUS GMBH	Participant	PRC
608886	CloudSME	33	01-Jul-2013	31-Mar-2016	29	SW	SANDER-WERBUNG GMBH	Participant	PRC
608886	CloudSME	33	01-Jul-2013	31-Mar-2016	29	DHCAE	DHCAE TOOLS GMBH	Participant	PRC

Competence centers/DIHs funded by EU projects in Germany in FP7 [2-5]

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	Fraunhofer	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Participant	REC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	RWTH	RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN	Participant	HES
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	UPB	UNIVERSITAET PADERBORN	Participant	HES
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	USTUTT	UNIVERSITAET STUTTGART	Participant	HES
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	BIBA	BIBA - BREMER INSTITUT FUER PRODUKTION UND LOGISTIK GMBH	Participant	REC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	TUD	TECHNISCHE UNIVERSITAET DRESDEN	Participant	HES
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	INTEL	INTEL GMBH	Participant	PRC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	KIT	KARLSRUHER INSTITUT FUER TECHNOLOGIE	Participant	HES
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	INTEL	INTEL DEUTSCHLAND GMBH	Participant	PRC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	TI	TRANSINSIGHT GMBH	Participant	PRC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	SCAPOS	SCAPOS AG	Participant	PRC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	SICOS	SICOS BW GMBH	Participant	PRC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	OPTBB	OPTEC-BERLIN-BRANDENBURG (OPTECBB) E.V.	Participant	OTH
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	LBO	LASERSYSTEMTECHNIK BOLLINGER & OHR UG	Participant	PRC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	SHARP-GmbH	SHARP REFLECTIONS GMBH	Participant	PRC
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	LandW	LAUER & WEISS GMBH	Participant	PRC

Competence centers/DIHs funded by EU projects in Germany in FP7 [3-5]

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	FHG	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Coordinator	REC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	BOSCH	ROBERT BOSCH GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	LZH	LZH LASER ZENTRUM HANNOVER E.V.	Participant	REC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	LISA	LISA LASER PRODUCTS OHG	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	SFS	S & F SYSTEMTECHNIK GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	LIMO	LIMO LISSOTSCHENKO MIKROOPTIK GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	LPKF	LPKF LASER & ELECTRONICS AG	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	SCAN	SCANLAB Aktiengesellschaft	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	JCI	JOHNSON CONTROLS GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	DPI	DIRECTPHOTONICS INDUSTRIES GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	PRIMES	PRIMES GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	BRAUN	BRAUN GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	IXL	IXUN LASERTECHNIK GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	SENS	SENSLAB - GESELLSCHAFT ZUR ENTWICKLUNG UND HERSTELLUNG BIOELEKTROCHEMISCHER SENSOREN MBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	PULSAR	PULSAR PHOTONICS GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	LUNOVU	LUNOVU GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	ARENZ	ARENZ GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	LF	LASERFACT GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	SITEC	SITEC Industrietechnologie GmbH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	QASS	QASS GMBH QUALITAT AUTOMATION SYSTEME SOFTWARE	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	FARO	FARO GMBH & CO KG	Participant	PRC

Competence centers/DIHs funded by EU projects in Germany in FP7 [4-5]

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
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	Fraunhofer	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Coordinator	REC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	DFKI	DEUTSCHES FORSCHUNGSZENTRUM FUR KUNSTLICHE INTELLIGENZ GMBH	Participant	REC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	UNI KASSEL	UNIVERSITAET KASSEL	Participant	HES
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	ITI	ESI ITI GMBH	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	SIMPLAN	SIMPLAN AG	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	Stellba	STELLBA HYDRO GMBH & CO KG	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	DHCAE	DHCAE TOOLS GMBH	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	BOGE	BOGE KOMPRESSOREN OTTO BOGE GMBH & CO KG	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	INO	SOBOTTA ANDREAS	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	CLESGO	CLESGO UG (haftungsbeschränkt)	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	TUDo	TECHNISCHE UNIVERSITAT DORTMUND	Participant	HES
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	OvGU/IFQ	OTTO-VON-GUERICKE-UNIVERSITAET MAGDEBURG	Participant	HES
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	MATZAT	DR MATZAT & CO GMBH SPANN UND FERTIGUNGSTECHNIK	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	BCT	BCT STEUERUNGS UND DV-SYSTEME GMBH	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	INVENT	INVENT INNOVATIVE VERBUNDWERKSTOFFEREALISATION UND VERMARKTUNG NEUERTECHNOLOGIEN GMBH*	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	WÖLFEL	WOELFEL BERATENDE INGENIEURE GMBH &CO KG	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	AI	ADAPTRONICS INTERNATIONAL GMBH	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	DEHARDE	DEHARDE MASCHINENBAU HELMUT HOFFMAN GMBH	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	ROEMHELD	ROMHELD GMBH FRIEDRICHSHUTTE	Participant	PRC
609306	INTEFIX	36	01-Jul-2013	30-Jun-2016	33	GIGGEL	VORRICHTUNGSBAU GIGGEL GMBH	Participant	PRC



Competence centers/DIHs funded by EU projects in Germany in FP7 [5-5]

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
288881	COLAE	36	01-Sep-2011	31-Aug-2014	19	FhG	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V	Participant	REC
288881	COLAE	36	01-Sep-2011	31-Aug-2014	19	IL	INNOVATIONLAB GMBH	Participant	PRC
288881	COLAE	36	01-Sep-2011	31-Aug-2014	19	OES	ORGANIC ELECTRONICS SAXONY MANAGEMENT GMBH	Participant	PRC
619205	ACTPHAST	48	01-Nov-2013	31-Oct-2017	24	HHI	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Participant	REC
619205	ACTPHAST	48	01-Nov-2013	31-Oct-2017	24	IPHT	LEIBNIZ-INSTITUT FUER PHOTONISCHE TECHNOLOGIEN E.V.	Participant	REC
619205	ACTPHAST	48	01-Nov-2013	31-Oct-2017	24	KIT	KARLSRUHER INSTITUT FUER TECHNOLOGIE	Participant	HES
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	FRAUNHOFER	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Participant	REC
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	UNIHB	UNIVERSITAET BREMEN	Participant	HES
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	TUM	TECHNISCHE UNIVERSITAET MUENCHEN	Coordinator	HES
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	UNIBI	UNIVERSITAET BIELEFELD	Participant	HES
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	MLAB	METRALABS GMBH NEUE TECHNOLOGIEN UND SYSTEME	Participant	PRC
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	STRAUSS	STRAUSS VERPACKUNGSMASCHINEN GMBH	Participant	PRC
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	KIT	KARLSRUHER INSTITUT FUER TECHNOLOGIE	Participant	HES
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	ATB	LEIBNIZ-INSTITUT FUER AGRARTECHNIK UND BIOOEKONOMIE EV	Participant	REC
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	HSU	FACHHOCHSCHULE ULM	Participant	HES
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	AMR	ARTIMINDS ROBOTICS GMBH	Participant	PRC
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	CLOOS	CARL CLOOS SCHWEISSTECHNIK GMBH	Participant	PRC
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	AGCO	AGCO GMBH	Participant	PRC
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	PILZ	PILZ GMBH & CO. KG	Participant	PRC
601116	ECHORD Plus Plus	60	01-Oct-2013	30-Sep-2018	107	IBAK	IBAK Helmut Hunger GmbH & Co. KG	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

Germany

Region

All regions

Cluster Organisations

Sectoral Industries

All sectors

Emerging industries

All emerging indust

Technology fields

All categories

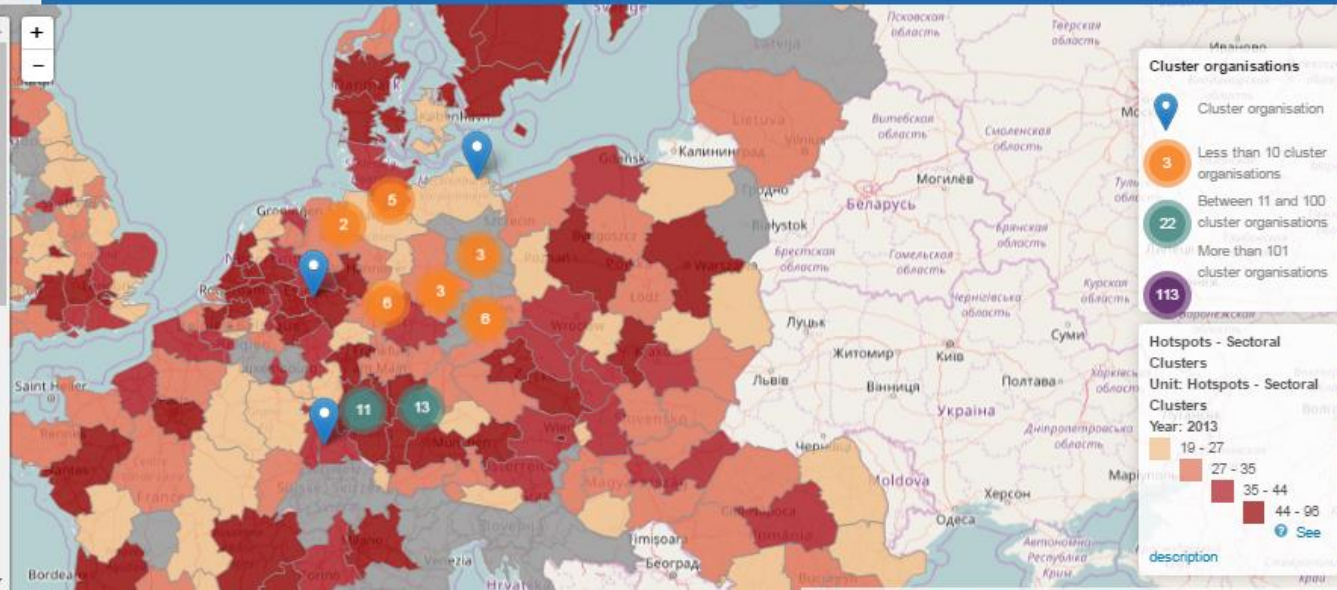
All fields

S3 EU priority areas

All S3 priority areas

Participation in EU programmes

Any



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

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
 - Centres
- 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

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

eit Digital Co-Location Centre in Berlin

[Home](#)[Innovation & Entrepreneurship](#)[EIT Digital Academy](#)[About us](#)[Newsroom](#)

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

Berlin Node

The German Node has a strong focus on innovation and is well connected with education and research activities with a visible record in European projects.

The Berlin Node builds upon a strong network of partners in the field of entrepreneurial education and innovation. We work closely together with six core partners: Deutsche Telekom AG, Siemens AG, SAP AG, Fraunhofer Gesellschaft e.V., DFKI gGmbH and TU Berlin.

Furthermore, the Berlin Node has close ties to six affiliate partners: Saarland University, TU Darmstadt - Center for Advanced Security Research Darmstadt (CASED), TU München, fortiss Institute, and Karlsruhe Institute of Technology (KIT).



Opening of Satellite Co-Location Center Munich

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

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

Pilot Lines in Nanotechnology and Advanced Materials [1-5]

Project Number	Project Acronym	Project Title	Project Start Date	Project End Date	Participant Legal Name	Participant Short Name	Sectors	Pilot line
645993	CO-PILOT	Flexible Pilot Scale Manufacturing of Cost-Effective Nanocomposites through Tailored Precision Nanoparticles in Dispersion	01/01/2015	31/12/2017	CARL PADBERG ZENTRIFUGENBAU GMBH	Carl Padberg Zentrifugenbau GmbH		
645993	CO-PILOT	Flexible Pilot Scale Manufacturing of Cost-Effective Nanocomposites through Tailored Precision Nanoparticles in Dispersion	01/01/2015	31/12/2017	DWI LEIBNIZ-INSTITUT FUR INTERAKTIVE MATERIALIEN EV	DWI		
645993	CO-PILOT	Flexible Pilot Scale Manufacturing of Cost-Effective Nanocomposites through Tailored Precision Nanoparticles in Dispersion	01/01/2015	31/12/2017	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Fraunhofer	Aerospace, aviation, automotive, food, pharmaceutical, electronics packaging, electrical and electronic goods, sporting goods, medicine	Pilot line 2) 100 liter stirred reactor, centrifuge
645993	CO-PILOT	Flexible Pilot Scale Manufacturing of Cost-Effective Nanocomposites through Tailored Precision Nanoparticles in Dispersion	01/01/2015	31/12/2017	MOMENTIVE PERFORMANCE MATERIALS GMBH	MOMENTIVE PERFORMANCE MATERIALS GMBH		
645993	CO-PILOT	Flexible Pilot Scale Manufacturing of Cost-Effective Nanocomposites through Tailored Precision Nanoparticles in Dispersion	01/01/2015	31/12/2017	NABALTEC AG	Nabaltec AG		
645993	CO-PILOT	Flexible Pilot Scale Manufacturing of Cost-Effective Nanocomposites through Tailored Precision Nanoparticles in Dispersion	01/01/2015	31/12/2017	SKZ-KFE GGMBH KUNSTSTOFF-FORSCHUNG UND-ENTWICKLUNG	SKZ - KFE gGmbH	Aerospace, aviation, automotive, food, pharmaceutical, electronics packaging, electrical and electronic goods, sporting goods, medicine	Pilot line 3) Nanocomposite production Pilot line 4) Continuous precipitation reactor, downstream processing
646122	MACIVIVA	MAanufacturing process for Cold-chain Independent Vlirosome-based VAccines	04/05/2015	03/11/2018	CHIMERA BIOTEC GMBH	CHIMERA		
645993	CO-PILOT	Flexible Pilot Scale Manufacturing of Cost-Effective Nanocomposites through Tailored Precision Nanoparticles in Dispersion	01/01/2015	31/12/2017	CARL PADBERG ZENTRIFUGENBAU GMBH	Carl Padberg Zentrifugenbau GmbH		



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Pilot Lines in Nanotechnology and Advanced Materials [2-5]

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	IX-FACTORY GMBH	IX-FACTORY GMBH		
646142	NanoPilot	A Pilot Plant for the Production of Polymer based Nanopharmaceuticals in Compliance with GMP	01/01/2015	31/12/2018	MICRONIT GMBH	MICRO		
646159	BASMATI	Bringing innovAtion by Scaling up nanoMATerials and Inks for printing	01/01/2015	31/12/2017	MICRODROP TECHNOLOGIES GMBH	MIC		
646159	BASMATI	Bringing innovAtion by Scaling up nanoMATerials and Inks for printing	01/01/2015	31/12/2017	VARTA MICROBATTERY GMBH	VAR		
646260	R2R Biofluidics	Large scale micro-and nanofabrication technologies for bioanalytical devices based on R2R imprinting	01/02/2015	31/01/2019	BIFLOW SYSTEMS GMBH	BIFLOW Systems	Biotechnology - Pharma Screening & In Vitro diagnostic chips 1. Medical Technology: In vitro Diagnostics 2. Biotechnology - cell based assays for pharmaceutical compound screening	Rigid microfluidic assembly pilot line
646260	R2R Biofluidics	Large scale micro-and nanofabrication technologies for bioanalytical devices based on R2R imprinting	01/02/2015	31/01/2019	MICRO RESIST TECHNOLOGY GESELLSCHAFT FUER CHEMISCHE MATERIALIEN SPEZIELLER PHOTORESISTSYSTEM E MBH	MICRO RESIST TECHNOLOGY		
646296	Hi-Response	Innovative High Resolution Electro-Static printing of Multifunctional Materials.	01/03/2015	31/08/2018	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	IAP	Electro-static printing of multifunctional materials	Innovative High Resolution Electro-Static printing of Multifunctional Materials.
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	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Fraunhofer	Nanocompsites for construction & engineering sectors	1, Pilot plant for the production of anti-icing nanocomposite coatings 2.Pilot plant of lacquering and laminating process roll to roll technology to produce multilayer nanocomposite films for advanced applications in civil infrastructure.



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Pilot Lines in Nanotechnology and Advanced Materials [3-5]

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	LEIBNIZ-INSTITUT FUR POLYMERFORSCHUNG DRESDEN EV	IPF DRESDEN	Nanocompsites for construction & engineering sectors	Pilot plant of Multifunctional hybrid yarns by one/two step online spinning
683356	FOLSMART	Folate-Target Nanodevices To Activated Macrophages For Rheumatoid Arthritis	01/01/2016	31/12/2019	GABO:MI GESELLSCHAFT FUR ABLAUFORGANISATIO N:MILLIARIUM MBH & CO KG	GABO:mi		
683356	FOLSMART	Folate-Target Nanodevices To Activated Macrophages For Rheumatoid Arthritis	01/01/2016	31/12/2019	SYNOVO GMBH	Synovo	Health, rheumatoid arthritis	Ion exchange and size exclusion chromatography using a high throughput preparative chromatography system (purification)
685648	NanoHybrids	New generation of nanoporous organic and hybrid aerogels for industrial applications: from the lab to pilot scale production	01/11/2015	30/04/2019	BASF POLYURETHANES GMBH	BPD	Gas treatment and safety, personal care and food applications	Solvent extraction and supercritical drying on pilot scale
685648	NanoHybrids	New generation of nanoporous organic and hybrid aerogels for industrial applications: from the lab to pilot scale production	01/11/2015	30/04/2019	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	DLR		
685648	NanoHybrids	New generation of nanoporous organic and hybrid aerogels for industrial applications: from the lab to pilot scale production	01/11/2015	30/04/2019	DRAGER SAFETY AG & CO KGAA	DRAGER	Gas treatment and safety, personal care and food applications	aerogel-based prototypes and testing
685648	NanoHybrids	New generation of nanoporous organic and hybrid aerogels for industrial applications: from the lab to pilot scale production	01/11/2015	30/04/2019	TECHNISCHE UNIVERSITAET HAMBURG-HARBURG	TUHH	Gas treatment and safety, personal care and food applications	Process for production of aerogels in form of (micro)particles
685648	NanoHybrids	New generation of nanoporous organic and hybrid aerogels for industrial applications: from the lab to pilot scale production	01/11/2015	30/04/2019	TUTECH INNOVATION GMBH	TuTech		



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Pilot Lines in Nanotechnology and Advanced Materials [4-5]

Project Number	Project Acronym	Project Title	Project Start Date	Project End Date	Participant Legal Name	Participant Short Name	Sectors	Pilot line
685727	ProDIA	Production, control and Demonstration of structured hybrid nanoporous materials for Industrial adsorption Applications	01/11/2015	31/10/2018	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Fraunhofer		
685825	FAST	Functionally graded Additive Manufacturing scaffolds by hybrid manufacturing	01/12/2015	30/11/2019	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	IST		
685825	FAST	Functionally graded Additive Manufacturing scaffolds by hybrid manufacturing	01/12/2015	30/11/2019	GESIM GESELLSCHAFT FUR SILIZIUM-MIKROSYSTEME MBH	GES		
685872	MOZART	Mesoporous matrices for localized pH-triggered release of the therapeutic ions and drugs	01/11/2015	31/10/2019	CELLOGIC GMBH	CELLOGIC		
685872	MOZART	Mesoporous matrices for localized pH-triggered release of the therapeutic ions and drugs	01/11/2015	31/10/2019	CHARITE - UNIVERSITAETSMEDIZIN BERLIN	CHARITE		
685872	MOZART	Mesoporous matrices for localized pH-triggered release of the therapeutic ions and drugs	01/11/2015	31/10/2019	FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN NUERNBERG	FAU		
685909	SKHINCAPS	SKin Healthcare by Innovative NanoCAPsules	01/10/2015	30/09/2019	INSTITUT FUER VERBUNDWERKSTOFFE GMBH	IVW		
685937	DIMAP	Novel nanoparticle enhanced Digital Materials for 3D Printing and their application shown for the robotic and electronic industry	01/10/2015	30/09/2018	CIRP GmbH	CIRP	Production of soft robotic arms/joints and customized luminaires.	<p>1. Will demonstrate that mass customized fully functional luminaires incl. PCBs can be 3D printed in a single printing job with the novel table-top multi-material 3D-printer</p> <p>2. Will demonstrate that mass customized fully functional artificial joints for robotic arms can be 3D printed in a single printing job with the novel table-top multi-material 3D-printer.</p>



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Pilot Lines in Nanotechnology and Advanced Materials [5-5]

Project Number	Project Acronym	Project Title	Project Start Date	Project End Date	Participant Legal Name	Participant Short Name	Sectors	Pilot line
685937	DIMAP	Novel nanoparticle enhanced Digital Materials for 3D Printing and their application shown for the robotic and electronic industry	01/10/2015	30/09/2018	FESTO AG & CO KG	FESTO		
685937	DIMAP	Novel nanoparticle enhanced Digital Materials for 3D Printing and their application shown for the robotic and electronic industry	01/10/2015	30/09/2018	KARLSRUHER INSTITUT FUER TECHNOLOGIE	KIT		
685952	NANOTUN3D	Development of the complete workflow for producing and using a novel nanomodified Ti-based alloy for additive manufacturing in special applications.	01/10/2015	31/03/2019	TLS TECHNIK GMBH & CO. SPEZIALPULVER KG	TLS TECHNIK	The AM industry. - The manufacturing activities included in the supply chain of the aero-space sectors -Powder-metallurgy industry.	Spherical powder of nanomodified Ti6Al4V EIGA
685952	NANOTUN3D	Development of the complete workflow for producing and using a novel nanomodified Ti-based alloy for additive manufacturing in special applications.	01/10/2015	31/03/2019	ZOZ GMBH	ZOZ	The AM industry. - The manufacturing activities included in the supply chain of the aero-space sectors -Powder-metallurgy industry.	Ingot bars of nanomodified Ti6Al4V
686116	OptiNanoPro	Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines	01/10/2015	30/09/2018	BELECTRIC OPV GMBH	BELECTRIC OPV	Packaging, Automotive, Photovoltaics	4 MW/yr pilot line- solar cells and mini modules will be fabricated on small scale, thus testing the appropriateness of the nanoparticles layers with respect to electrical, optical and durability requirements.
686116	OptiNanoPro	Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines	01/10/2015	30/09/2018	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Fraunhofer		
686116	OptiNanoPro	Processing and control of novel nanomaterials in packaging, automotive and solar panel processing lines	01/10/2015	30/09/2018	HPX POLYMERS GMBH	HPX Polymers	Packaging, Automotive, Photovoltaics	Use the upgraded production line for the validation and demonstration of new products for the packaging and automotive industries to be introduced in the market
646122	MACIVIVA	MANufacturing process for Cold-chain Independent Virosome-based VAccines	04/05/2015	03/11/2018	CHIMERA BIOTEC GMBH	CHIMERA		

Planned investments, allocated resources, in Germany, 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: Germany

View a different country

Finances: Planned

Finances: Implemented

EU Payments

Achievements

Programmes

Germany, through 47 national programmes, benefits from ESIF funding of EUR 28 billion. This represents an average of 345 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 Germany 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 Germany.

Total EU National

Country Budget for 2014-2020:

€44 757 521 956

FINANCES: PLANNED

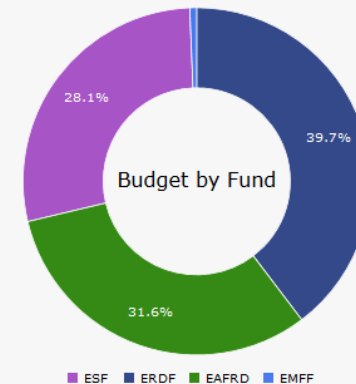
Total

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): Germany, EUR

[Explore and Share this Data](#)



Refresh Date: 21/8/2017