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

Austria

<u>Accompanied by the WG1 Report on Digital Innovation Hubs</u>:

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

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Austria's national strategies for digitising industry

Industrie 4.0 Österreich

- Launched in 2015 by the **Ministry for Transport, Innovation and Technology (bmvit)**
- Aims to secure and create highly innovative industrial production and boost quality employment, thus strengthening Austria's future competitiveness
- Funding: - Tax incentives for RDI activities of private companies;
  - Support programmes for high-tech start-ups;
  - Subsidies for SME investing in Industry 4.0 technologies

http://plattformindustrie40.at/

"Produktion der Zukunft"

- An independent funding program installed by **bmvit**, that promotes national and translational cooperative research and development projects
- Funding: **20-25M EUR per year**

Digital Roadmap for Austria

- Published in 2017 foreseeing strategies and topics on security, R&I, infrastructure, economy, mobility, health, work 4.0, education and inclusion
- **Responsible ministries:** Federal Ministry for Transport, Innovation and Technology and the Federal Ministry of Science, Research and Economy
- Concrete plans to set up a **network of Digital Innovation Hubs** in Austria; based on **COMET projects**

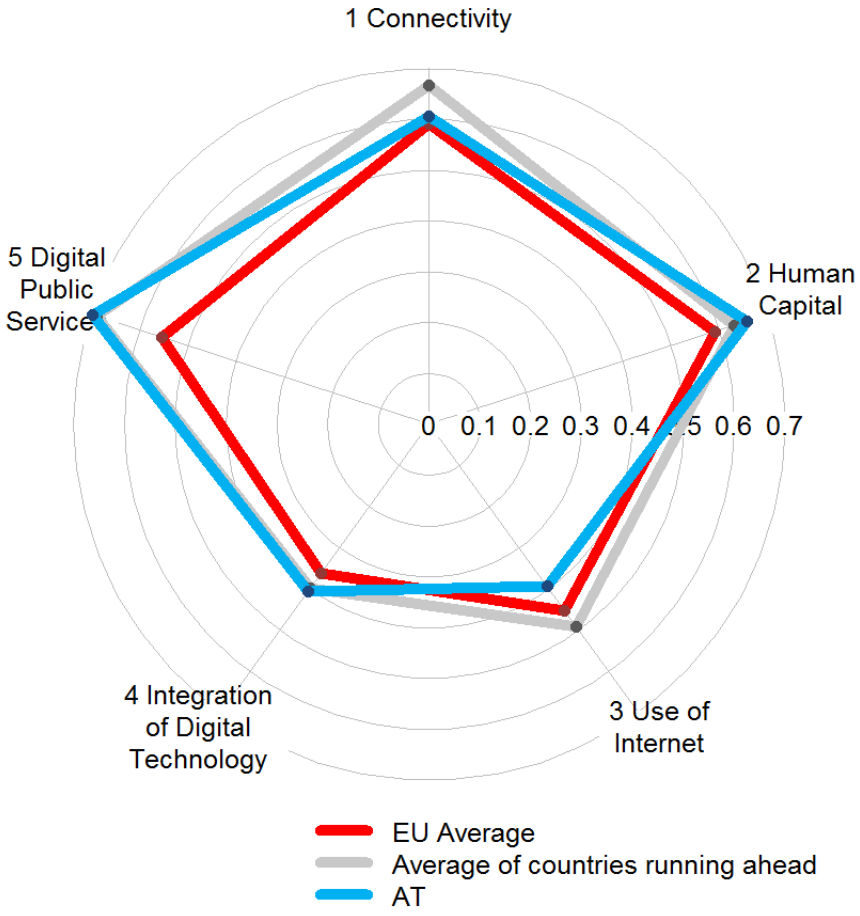
https://www.digitalroadmap.gv.at/

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

Austria's performance in the DESI 2016

Austria ranks 15 among EU countries.

It is part of the group of countries that are catching up.

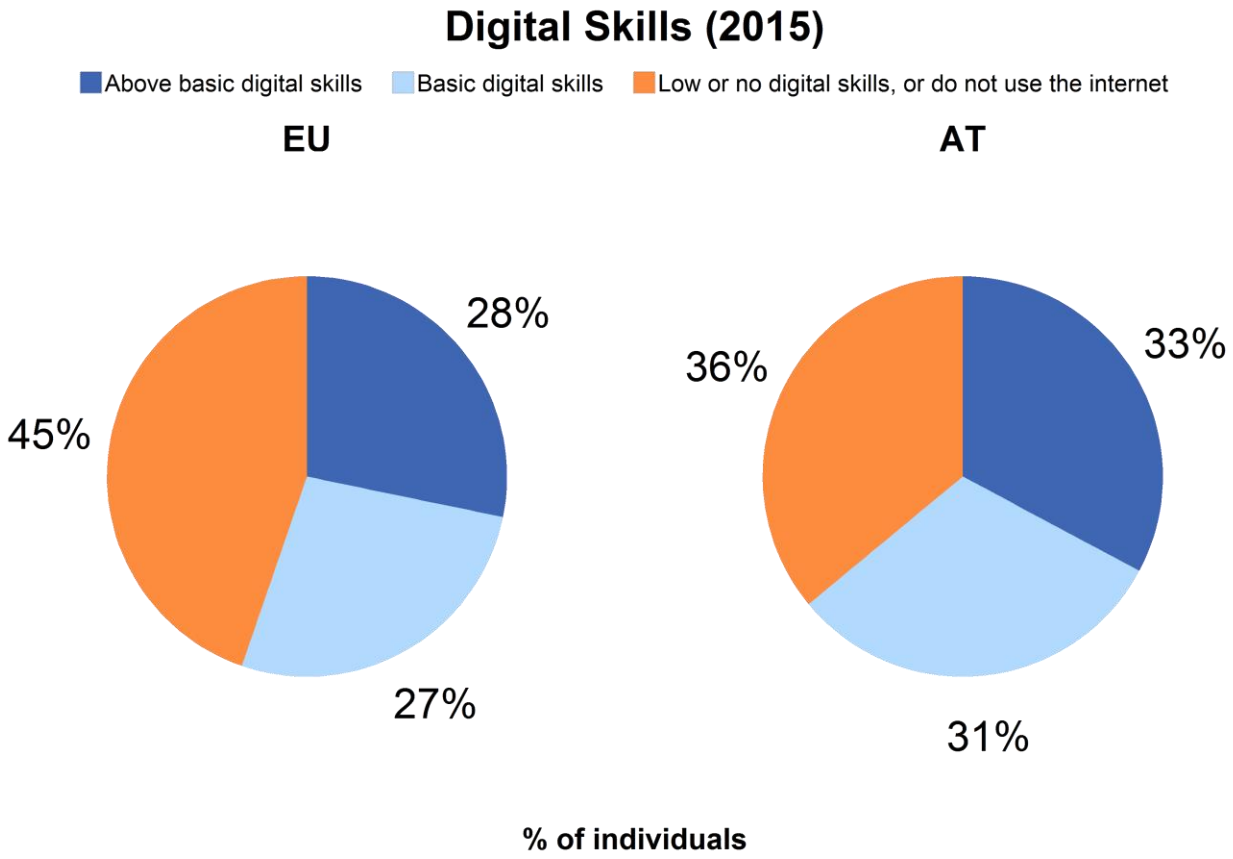


Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/austria

Human Capital: Digital Skills

In Austria 31% of citizens have basic digital skills (27% in the EU) and 33% have above basic digital skills (28% in the EU).



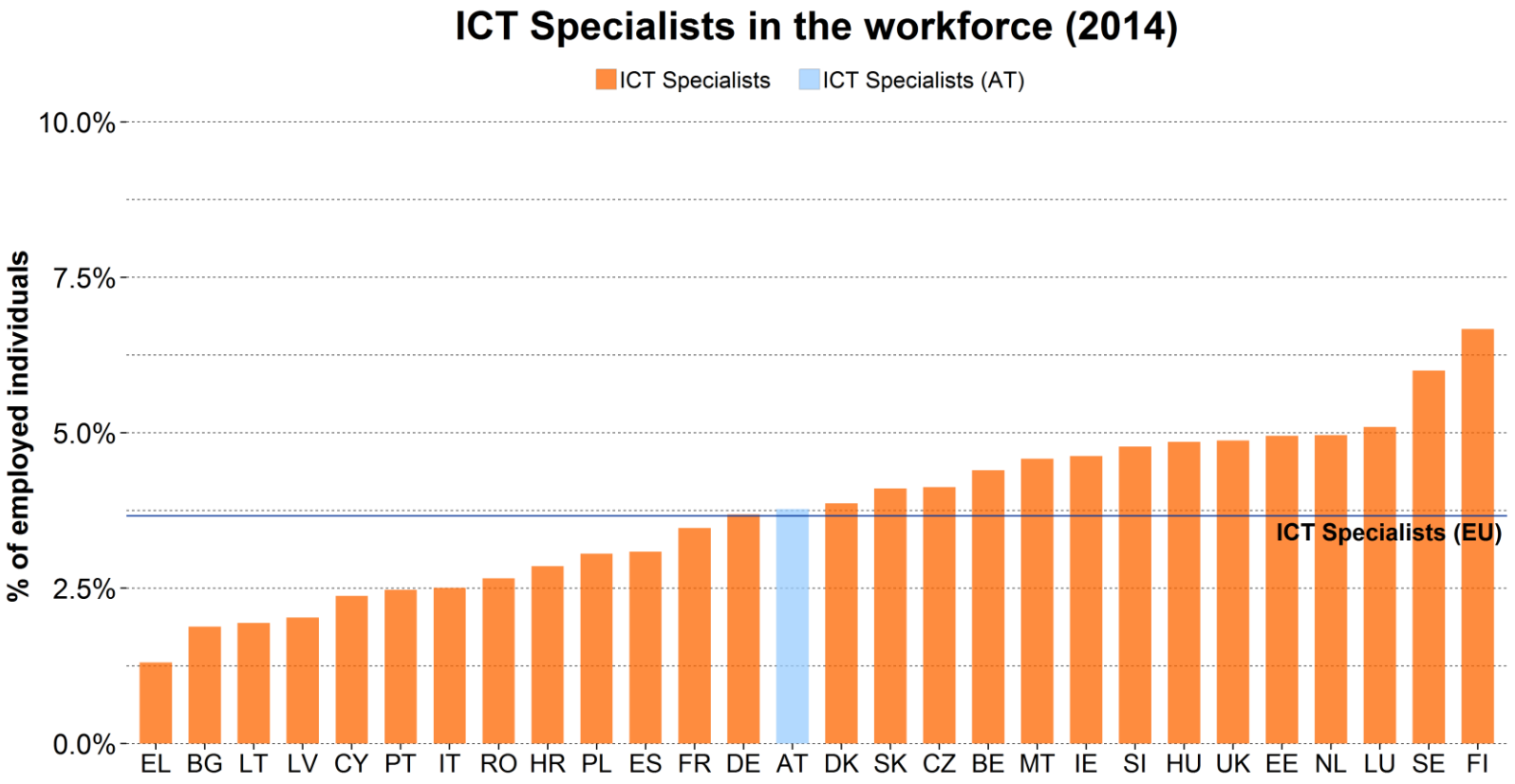
Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/austria

Source: Eurostat - Community survey on ICT usage in Households and by Individuals

Human Capital: ICT Specialists in the workforce

In Austria ICT Specialists account for 3.8% of the workforce (3.7% in the EU).



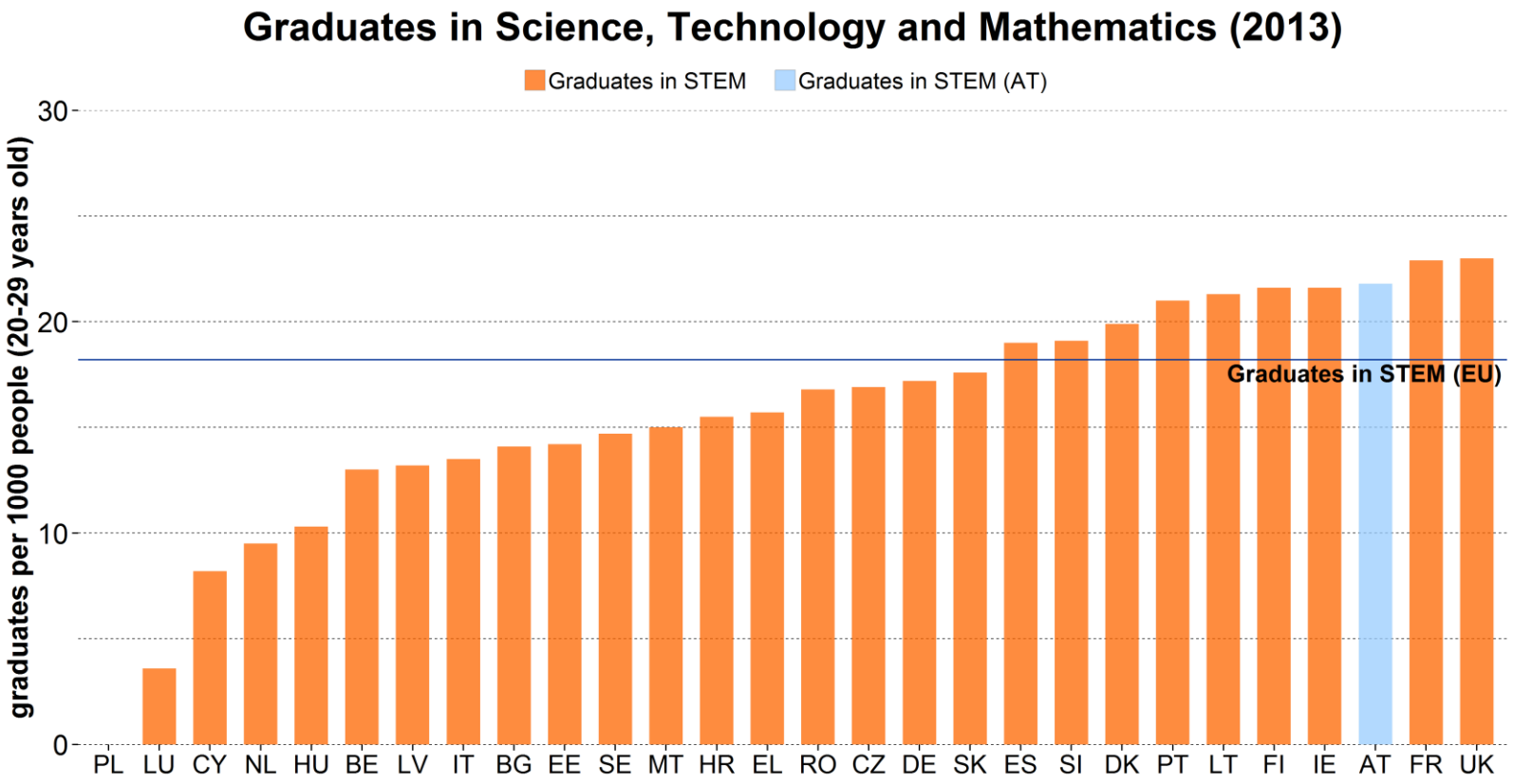
Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/austria

Source: Eurostat - Labour force survey

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

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



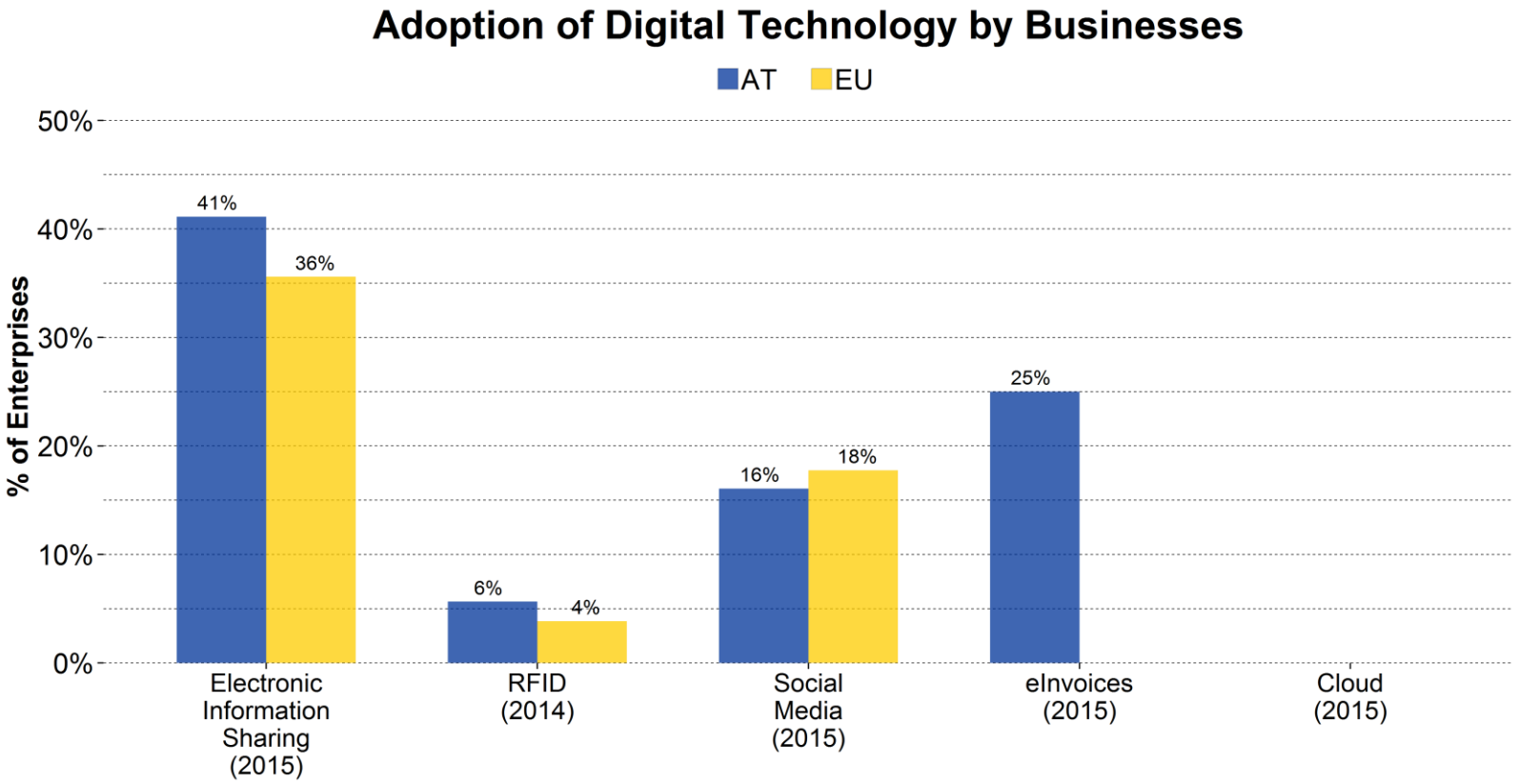
Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/austria

Source: Eurostat - Science and technology graduates

Integration of Digital Technology: Business digitization

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



Digital Scoreboard 2016

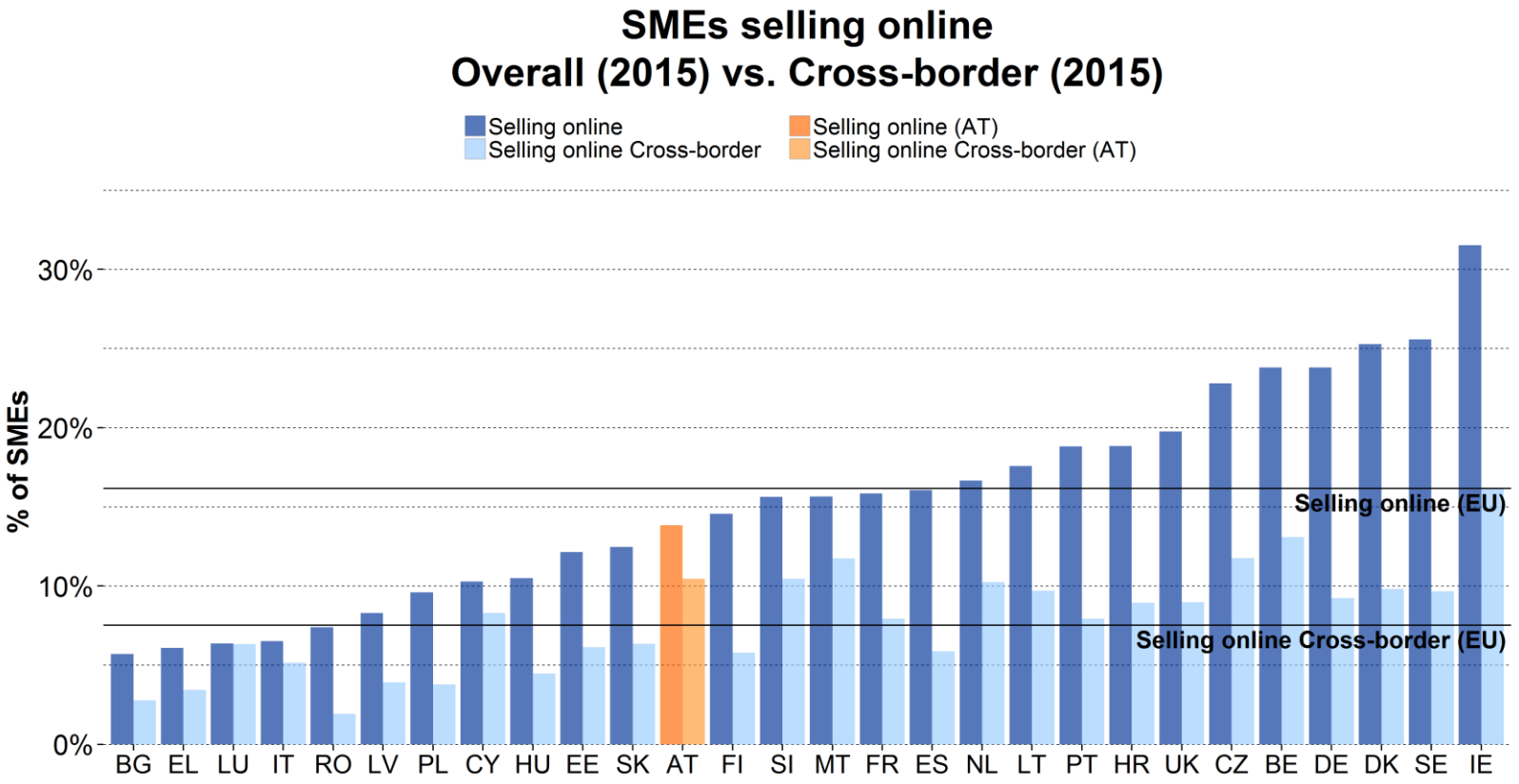
https://ec.europa.eu/digital-single-market/en/scoreboard/austria

Source: Eurostat - Community survey on ICT usage and eCommerce in Enterprises

Integration of Digital Technology: SMEs selling online

In Austria 14% of SMEs sell online (16% in the EU).

10% of Austrian SMEs sell online to other EU countries (7.5% in the EU).



Digital Scoreboard 2016

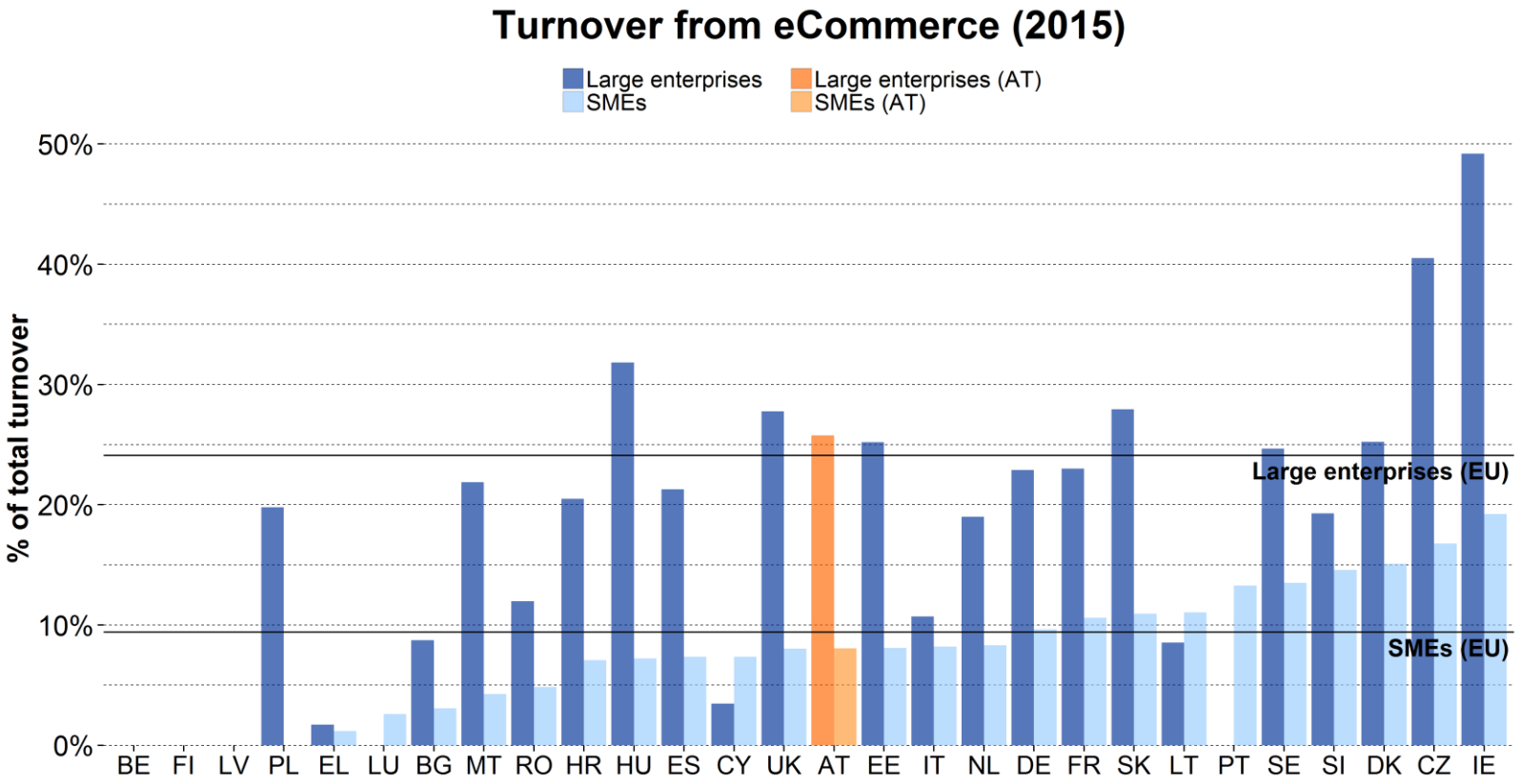
https://ec.europa.eu/digital-single-market/en/scoreboard/austria

Source: Eurostat - Community survey on ICT usage and eCommerce in Enterprises

Integration of Digital Technology: SME Turnover from eCommerce

SMEs in Austria obtain on average 8% of their turnover from eCommerce (9.4% in the EU).

Large enterprises derive on average 26% of their turnover from eCommerce (24% in the EU).



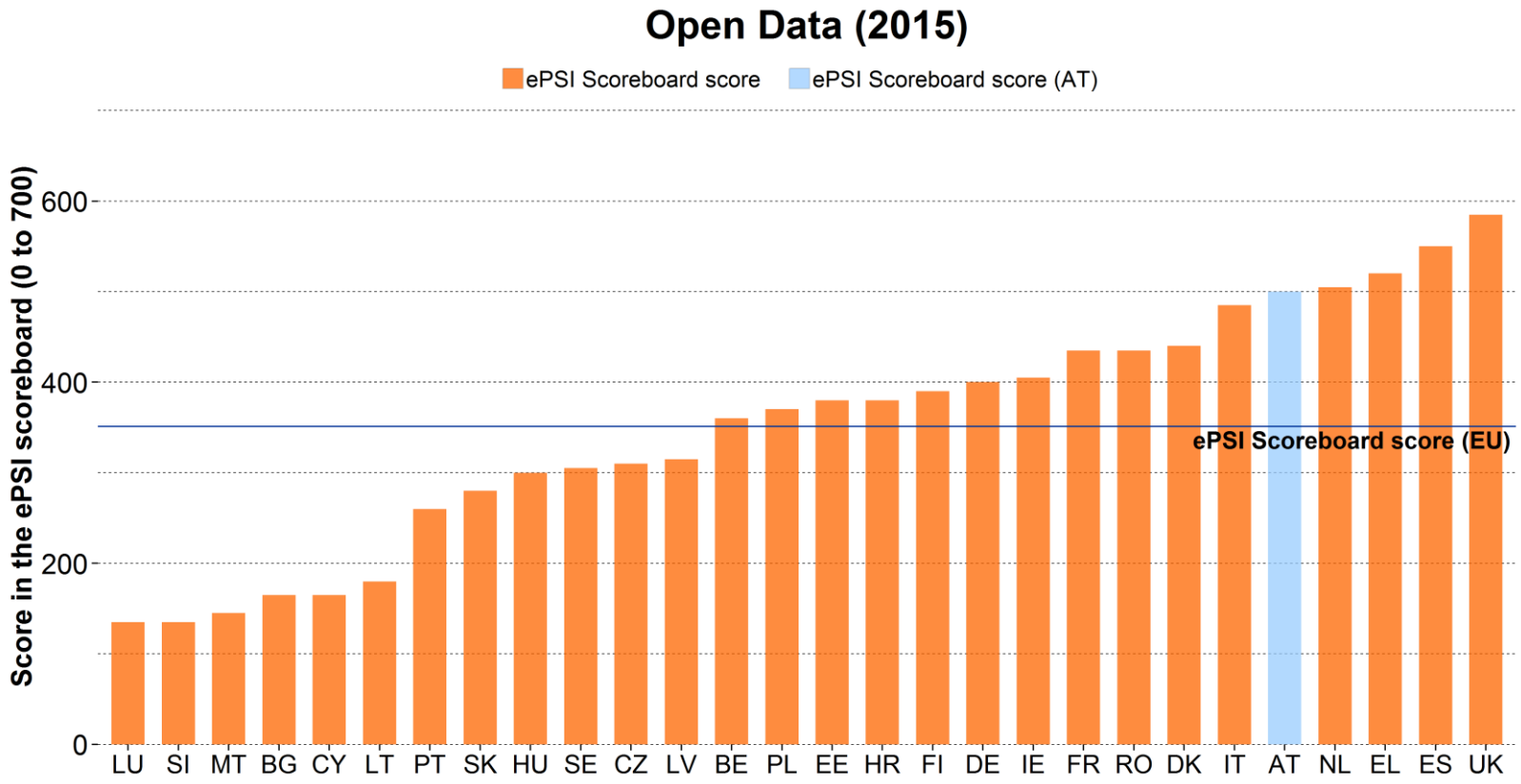
Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/austria

Source: Eurostat - Community survey on ICT usage and eCommerce in Enterprises

Digital Public Services: Open Data

Austria scores 500 out of 700 in the European Public Sector Information scoreboard, against an overall score of 351 out of 700 for the European Union.

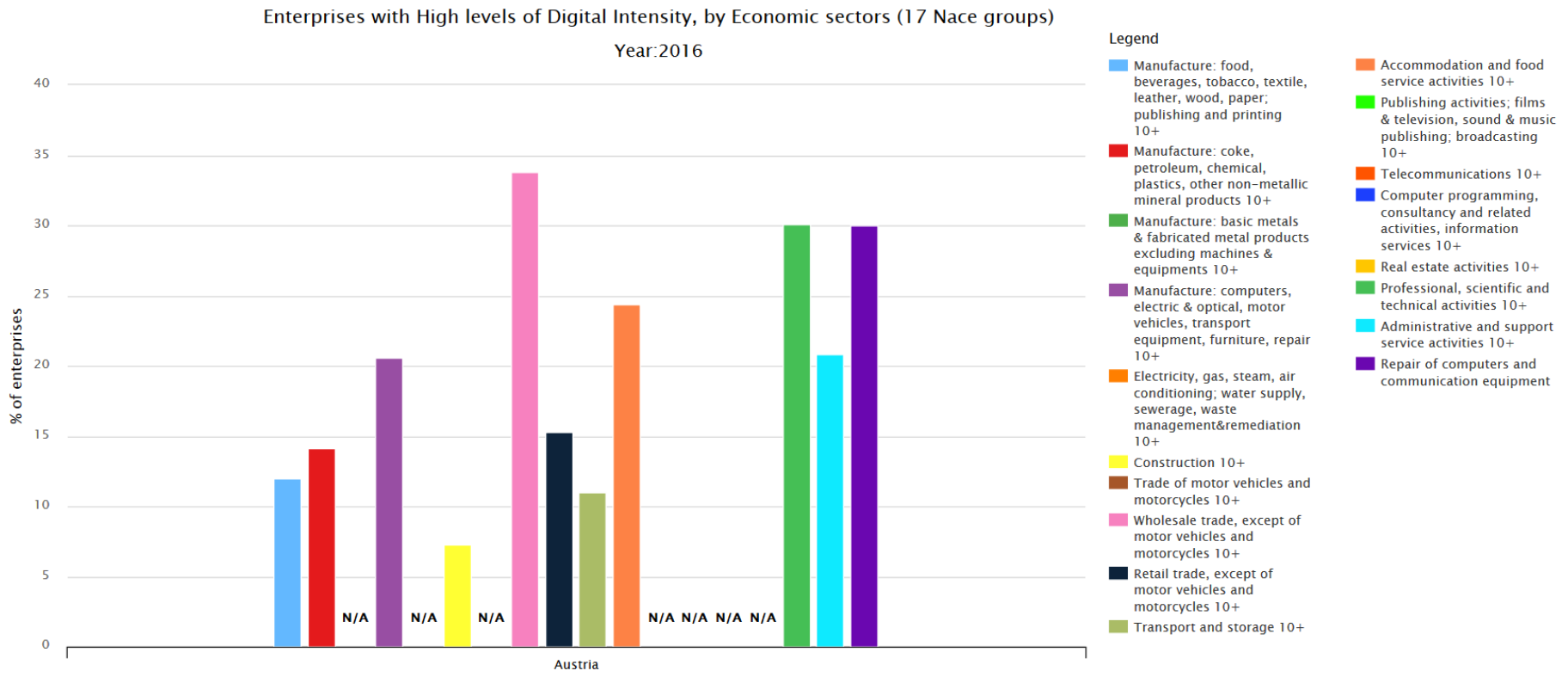


Digital Scoreboard 2016

https://ec.europa.eu/digital-single-market/en/scoreboard/austria

Source: The Public Sector Information Scoreboard is a 'crowdsourced' tool to measure the status of Open Data and PSI re-use throughout the EU.

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



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

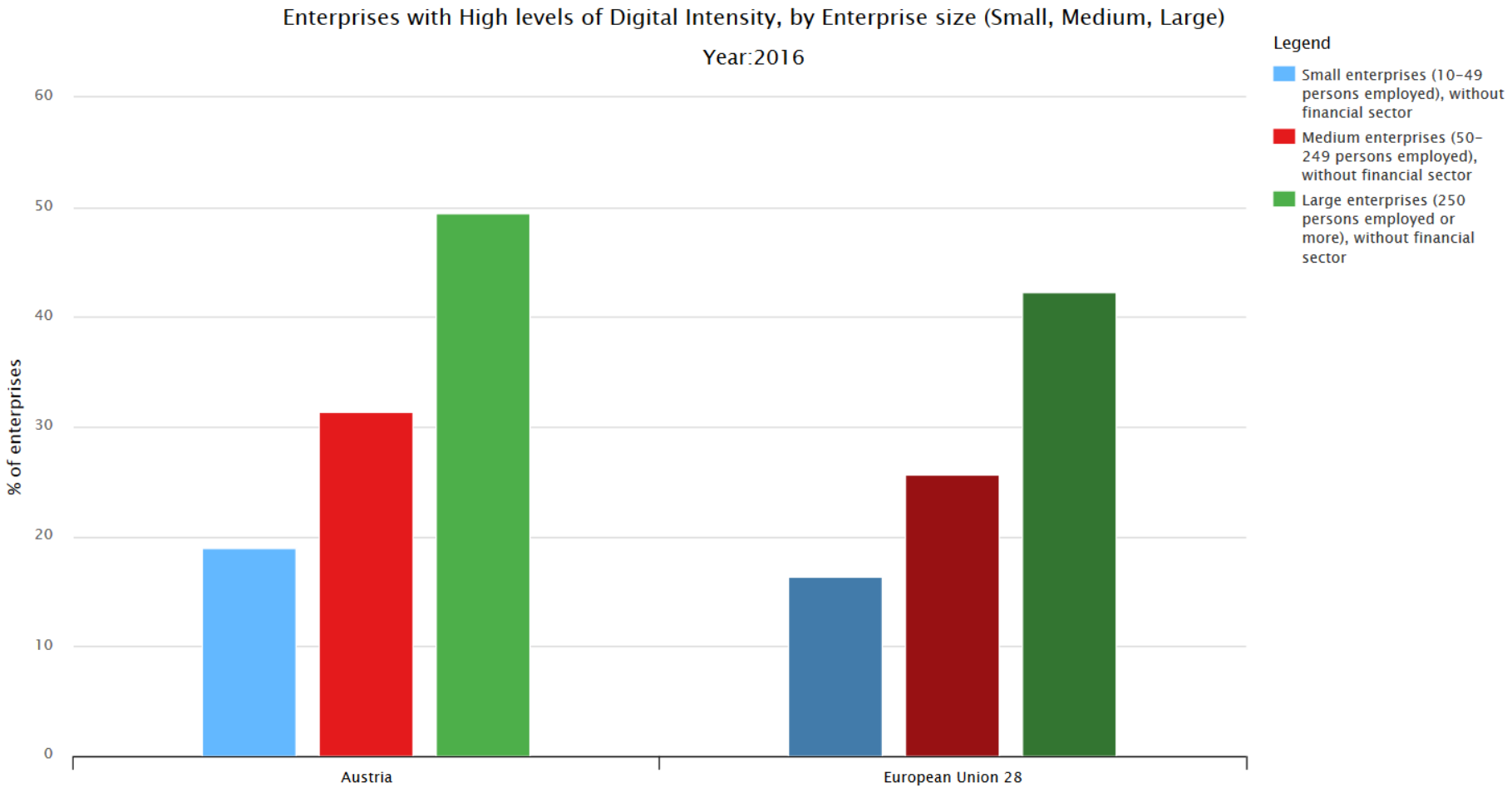
- Manufacture: food, beverages, tobacco, textile, leather, wood, paper; publishing and printing 10+
- Manufacture: coke, petroleum, chemical, plastics, other non-metallic mineral products 10+
- Manufacture: basic metals & fabricated metal products excluding machines & equipment 10+
- Manufacture: computers, 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+
- Accommodation and food service activities 10+
- Real estate 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:

- Wholesale trade, except of motor vehicles and motorcycles 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":["AT"]}

Enterprises with high levels of digital intensity, by Enterprise size



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","AT"]}

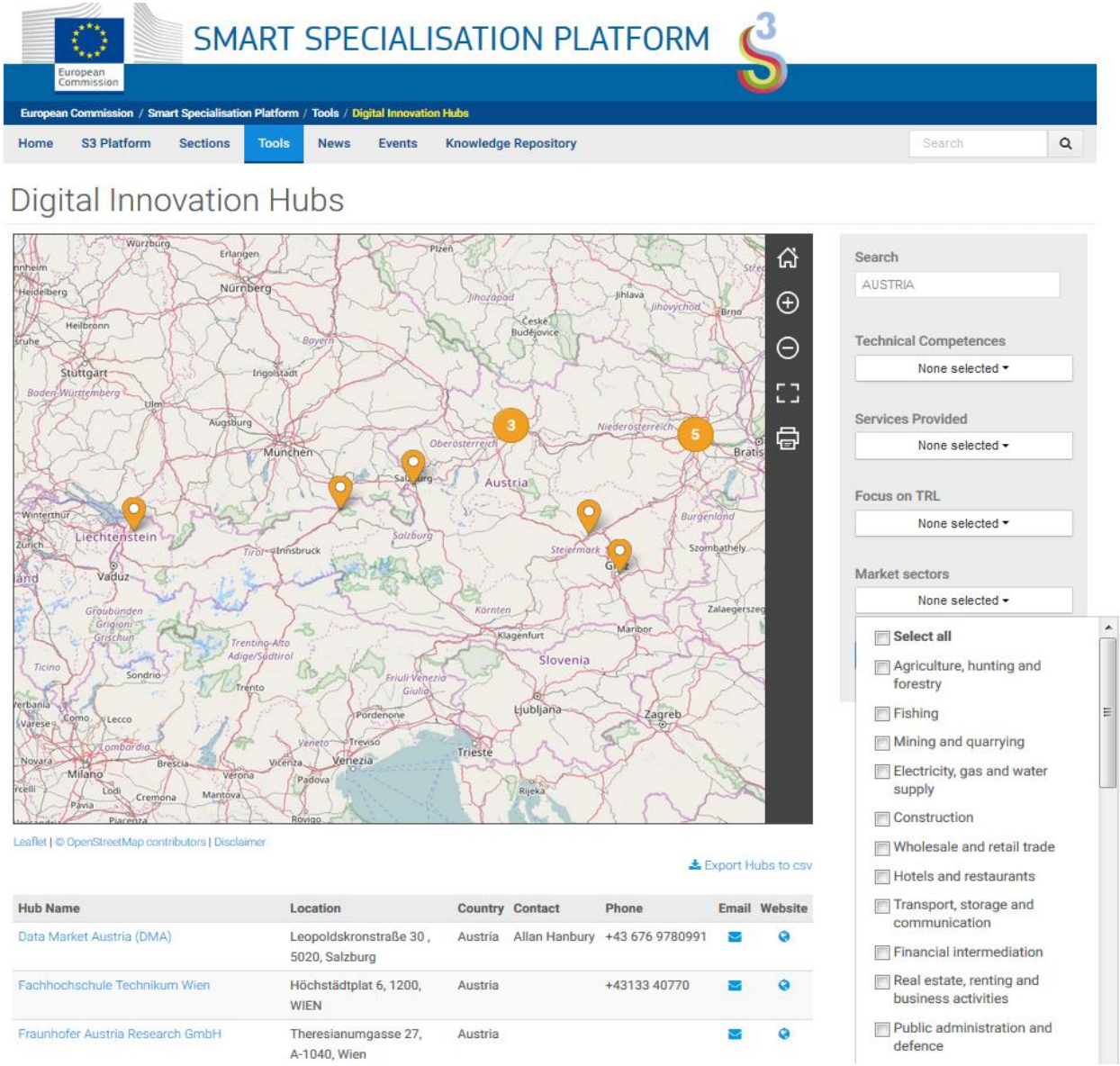
Digital Innovation Hubs Catalogue
The Austria case

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

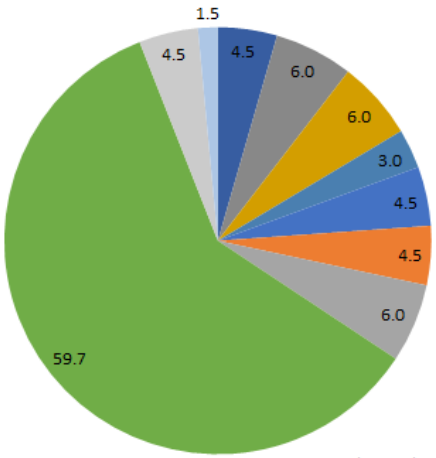
JRC-B3-DIH@ec.europa.eu



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

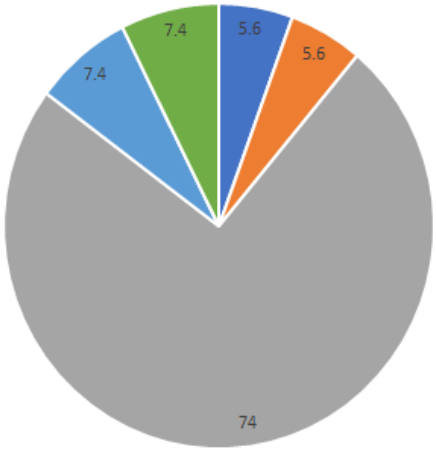
European Commission

Types of services provided (%)



- Concept validation and prototying
- 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

Types of customers supported (%)



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

The analysis of the data presented was conducted by TNO, the detailed data is provided in the Catalogue of DIHs available on: http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool

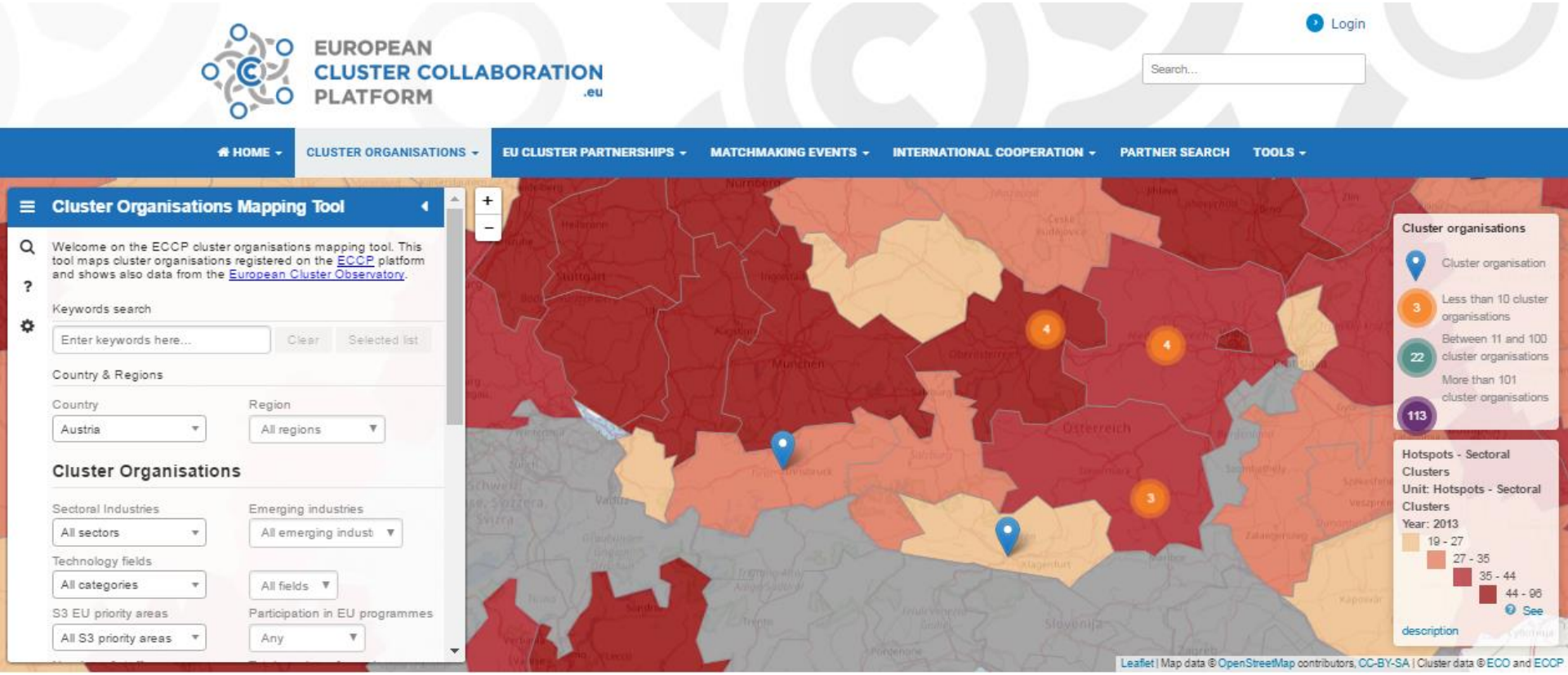
Competence centers/DIHs funded by EU projects in Austria in H2020

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	LOGICDATA ELECTRONIC & SOFTWARE ENTWICKLUNGS GMBH	PARTICIPANT	LDT	PRIVATE	No
FoF-09-2015	BEinCPPS	36	31/10/2018	TTTECH COMPUTERTECHNIK AG	PARTICIPANT	TTTech	PRIVATE	No
FOF-12-2017	CloudiFacturing	42	31/03/2021	LINZ CENTER OF MECHATRONICS GMBH	PARTICIPANT	LCM	PRIVATE	Yes
FoF-09-2015	ReconCell	36	31/10/2018	LOGICDATA ELECTRONIC & SOFTWARE ENTWICKLUNGS GMBH	PARTICIPANT	LDT	PRIVATE	No
FoF-09-2015	BEinCPPS	36	31/10/2018	TTTECH COMPUTERTECHNIK AG	PARTICIPANT	TTTech	PRIVATE	No
ICT-01-2014	EuroCPS	36	31/01/2018	INFINEON TECHNOLOGIES AUSTRIA AG	PARTICIPANT	IFAT	PRIVATE	No
ICT-01-2014	EuroCPS	36	31/01/2018	AVL LIST GMBH	PARTICIPANT	AVL	PRIVATE	No
ICT-04-2017	FED4SAE	36	31/08/2020	AVL LIST GMBH	PARTICIPANT	AVL	PRIVATE	No
FOF-12-2017	CloudiFacturing	42	31/03/2021	LINZ CENTER OF MECHATRONICS GMBH	PARTICIPANT	LCM	PRIVATE	Yes

Competence centers/DIHs funded by EU projects in Austria 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	AVL	AVL LIST GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	TROTEC	TROTEC PRODUKTIONS U. VERTRIEBS GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	Welser	WELSER PROFILE AUSTRIA	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	AVL	AVL LIST GMBH	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	EMO	EMO EXTRUSION MOLDING GMBH	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	SES-TEC	SES-TEC OG	Participant	PRC

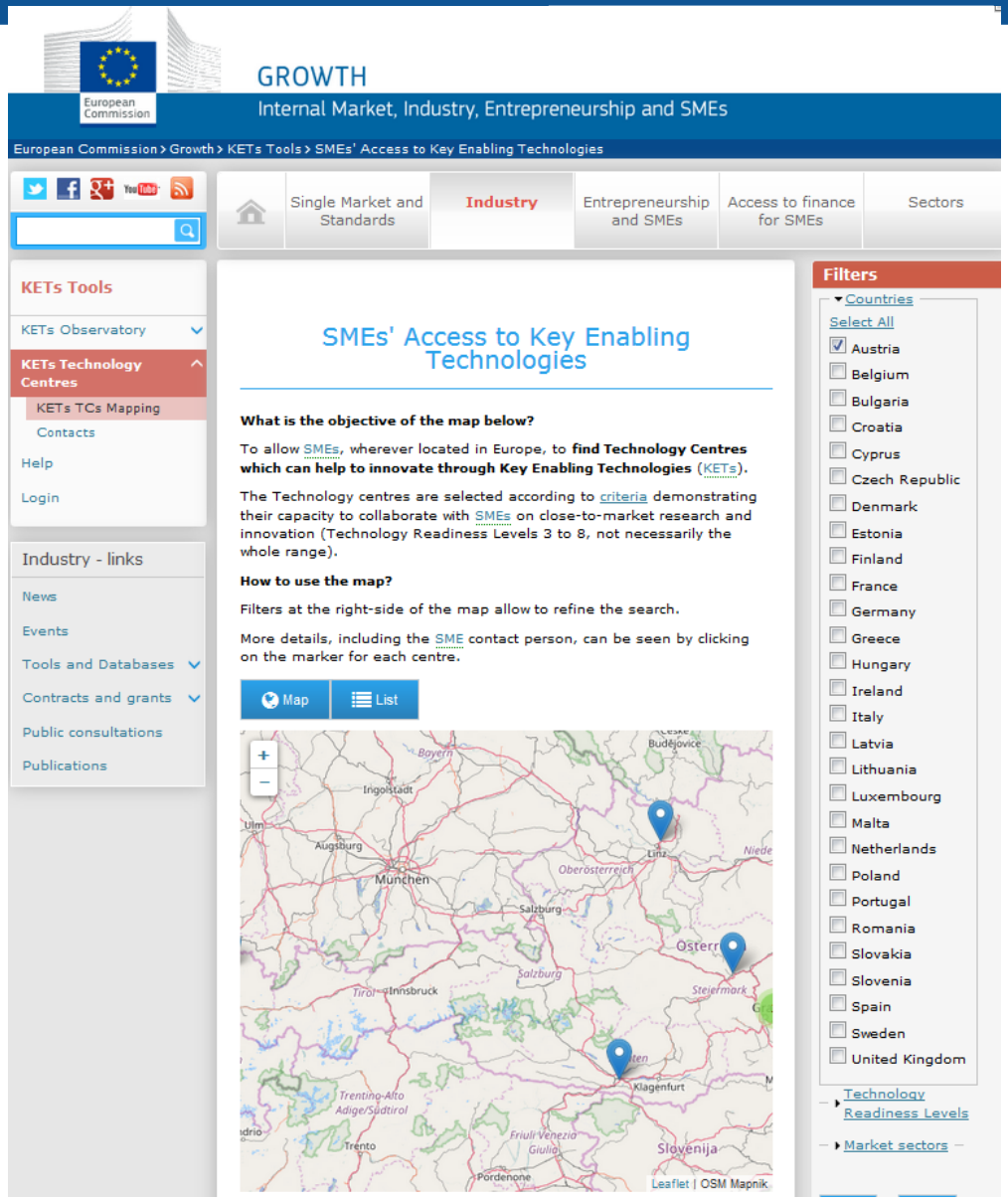
Clusters in Austria



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

Please see WG1 report

KETs in Austria



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

eit Digital Co-Location Centres

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 Austria

Pilot Lines in Nanotechnology and Advanced Materials [1-2]

European Commission

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	BIONANONET FORSCHUNGSGESELLSCHAFT MBH	BNN		
646155	INSPIRED	INdustrial Scale Production of Innovative nanomateRials for printEd Devices	01/01/2015	31/12/2018	JOANNEUM RESEARCH FORSCHUNGSGESELLSCHAFT MBH	NTCW		
646155	INSPIRED	INdustrial Scale Production of Innovative nanomateRials for printEd Devices	01/01/2015	31/12/2018	NANOTECCENTER WEIZ FORSCHUNGSGESELLSCHAFT MBH	NTCW		
646260	R2R Biofluidics	Large scale micro-and nanofabrication technologies for bioanalytical devices based on R2R imprinting	01/02/2015	31/01/2019	BIONANONET FORSCHUNGSGESELLSCHAFT MBH	BNN		
646260	R2R Biofluidics	Large scale micro-and nanofabrication technologies for bioanalytical devices based on R2R imprinting	01/02/2015	31/01/2019	BIONIC SURFACE TECHNOLOGIES GMBH	bionic surface technologies		
646260	R2R Biofluidics	Large scale micro-and nanofabrication technologies for bioanalytical devices based on R2R imprinting	01/02/2015	31/01/2019	EV GROUP E. THALLNER GMBH	EVG	Biotechnology - Pharma Screening & In Vitro diagnostic chips 1. Medical Technology: In vitro Diagnostics 2. Biotechnology - cell based assays for pharmaceutical compound screening	R2R imprinting industrial pilot line
646260	R2R Biofluidics	Large scale micro-and nanofabrication technologies for bioanalytical devices based on R2R imprinting	01/02/2015	31/01/2019	GREINER BIO-ONE DIAGNOSTICS GMBH	Greiner BioOne Diagnostics		
646260	R2R Biofluidics	Large scale micro-and nanofabrication technologies for bioanalytical devices based on R2R imprinting	01/02/2015	31/01/2019	JOANNEUM RESEARCH FORSCHUNGSGESELLSCHAFT MBH	JOANNEUM RESEARCH	Biotechnology - Pharma Screening & In Vitro diagnostic chips 1. Medical Technology: In vitro Diagnostics 2. Biotechnology - cell based assays for pharmaceutical compound screening	R2R imprinting R&D pilot line

*Data available in **CORDIS** (http://cordis.europa.eu/home_en.html) and in the **European Commission databases***

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

European Commission

Project Number	Project Acronym	Project Title	Project Start Date	Project End Date	Participant Legal Name	Participant Short Name	Sectors	Pilot line
646296	Hi-Response	Innovative High Resolution Electro-Static printing of Multifunctional Materials.	01/03/2015	31/08/2018	BIONANONET FORSCHUNGSGESELLSCHAFT MBH	BNN		
646296	Hi-Response	Innovative High Resolution Electro-Static printing of Multifunctional Materials.	01/03/2015	31/08/2018	INFINEON TECHNOLOGIES AUSTRIA AG	IFAT		
646296	Hi-Response	Innovative High Resolution Electro-Static printing of Multifunctional Materials.	01/03/2015	31/08/2018	JOANNEUM RESEARCH FORSCHUNGSGESELLSCHAFT MBH	NTCW		
646296	Hi-Response	Innovative High Resolution Electro-Static printing of Multifunctional Materials.	01/03/2015	31/08/2018	NANOTECCENTER WEIZ FORSCHUNGSGESELLSCHAFT MBH	NTCW		
683356	FOLSMART	Folate-Target Nanodevices To Activated Macrophages For Rheumatoid Arthritis	01/01/2016	31/12/2019	MEDIZINISCHE UNIVERSITAET WIEN	MUW		
683356	FOLSMART	Folate-Target Nanodevices To Activated Macrophages For Rheumatoid Arthritis	01/01/2016	31/12/2019	UNIVERSITAET FUER BODENKULTUR WIEN	BOKU		
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	BOREALIS POLYOLEFINE GMBH	BOREALIS		
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	PROFACTOR GMBH	PROFACTOR		
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	TIGER Coatings	TIGER Coatings		
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	UNIVERSITAT LINZ	JKU		
686135	PROCETS	PROtective composite Coatings via Electrodeposition and Thermal Spraying	01/01/2016	30/06/2019	WIENERBERGER AG	Wienerberger		
686163	POROUS4APP	PILOT PLANT PRODUCTION OF CONTROLLED DOPED NANOPOROUS CARBONACEOUS MATERIALS FOR ENERGY AND CATALYSIS APPLICATIONS	01/03/2016	29/02/2020	VARTA MICRO INNOVATION GMBH	VMI		

Planned investments, allocated resources, in Austria, 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: Austria

View a different country

Finances: Planned | Finances: Implemented | EU Payments

Achievements | Programmes

Austria, through 4 national programmes, benefits from ESIF funding of EUR 4.9 billion. This represents an average of 579 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 Austria 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 Austria.

Total | EU | National

Country Budget for 2014-2020:

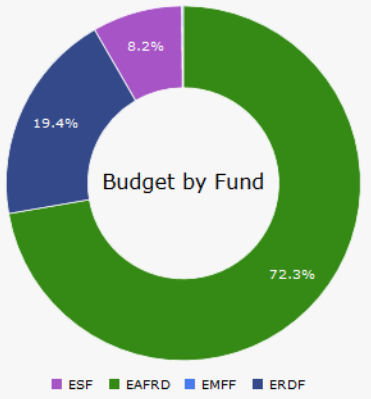
€10 654 961 266

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): Austria, EUR

Explore and Share this Data



Refresh Date: 21/8/2017

For further information please see WG1 report & https://cohesiondata.ec.europa.eu/countries/AT