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

Poland

Accompanied by the WG1 Report on Digital Innovation Hubs:

#DigitiseEU
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The Future Industry Platform (Platforma Przemysłu Przyszłości - PPP) is currently under preparation by the Ministry of Economic Development. The PPP is one of the strategic projects included in the Polish midterm development strategies, called Responsible Development Strategy. The estimated launch of the initiative falls in 2018.

The PPP main tasks will be to integrate private and public stakeholders in the field of industrial transformation and to build awareness among Polish enterprises about the technological and business opportunities carried by the Industry 4.0.

The new organisation will also advise, demonstrate and help companies with the application of new solutions thanks to digital solutions as well as the network of competence centres.

Industrial Transformation Team: at the core of the Polish Industry 4.0 Platform set up in 2016 by the government comprising ministry and industry representatives focusing on 5 relevant development areas of digital technologies.

Responsible Development Strategy

An “economic roadmap” for Poland was launched in 2015 over the time period of 25 years with investments of appr. PLN1 trillion (235bn EUR) until 2030 - The “Morawiecki plan”

Aim: strengthen Polish capital and ensure the growth of innovativeness of Polish companies in order to make them competitive on foreign markets

In February 2016, an “Action Plan for the Responsible Development of Poland” was adopted


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
Poland's performance in the DESI 2017

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

Digital Scoreboard 2016
In Poland 44% of citizens have basic digital skills (56% in the EU)

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

Digital Scoreboard 2016
In Poland ICT Specialists account for 2.6% of the workforce (3.5% in the EU).

Source: Eurostat - Labour force survey

In Poland 19 graduates per 1000 inhabitants aged 20-29 years completed science and technology university programs (18.7 in the EU).

Source: Eurostat - Science and technology graduates

Digital Scoreboard 2016
Businesses in Poland are adopting different digital technologies to enhance productivity, such as sharing internal information electronically or using eInvoicing, Social Media and Cloud.

Country profile for Poland, eBusiness indicators 2016

- Enterprises paying to advertise on the internet (in % of enterprises): 28%
- Enterprises providing portable devices to > 20% of their employed persons (in % of enterprises): 27%
- Enterprises sending e-invoices (in % of enterprises): 13%
- Enterprises with High levels of Digital Intensity - SMEs (10-249 persons employed) (in % of enterprises): 12%
- Enterprises using social media (in % of enterprises): 25%
- Enterprises having a website with some sophisticated functionalities - SMEs (10-249 persons employed) (in % of enterprises): 64%
- Persons employed provided with a portable device by their enterprise (in % of total employment): 19%
- Cloud computing services (medium-high sophistication) (in % of enterprises): 5%

Legend:
- Under EU average
- Above EU average
In Poland 10% of SMEs sell online (17% in the EU).

3.8% of Polish SMEs sell online to other EU countries (7.5% in the EU).

Enterprises having done electronic sales to other EU countries in the last calendar year, SMEs (10–249 persons employed), without financial sector

Year: 2015

Polish enterprises derive on average 14.4% of their turnover from eCommerce (16.4% in the EU)

Total electronic sales by enterprises, as a % of their total turnover

Year: 2016
Poland scores 370 out of 700 in the European Public Sector Information scoreboard, against an overall score of 351 out of 700 for the European Union.

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

Digital Scoreboard 2016
Enterprises with high level of Digital Intensity by economic sectors in Poland

Sectors where less than 30% of the companies have a high level of digital intensity:
- Manufacture: food, beverages, tobacco, textile, leather, wood, paper; publishing and printing 10+
- Manufacture: coke, petroleum, chemical, plastics, other non-metallic mineral products 10+
- Manufacture: basic metals & fabricated metal products excluding machines & equipment 10+
- Manufacture: computers, electric & optical, motor vehicles, transport equipment, furniture, repair 10+
- Electricity, gas, steam, air conditioning; water supply, sewerage, waste management & remediation
- Construction 10+
- Retail trade, except of motor vehicles and motorcycles 10+
- Transport and storage 10+
- Administrative and support service activities 10+
- Accommodation and food service activities 10+
- 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:
- Publishing activities; films & television, sound & music publishing; broadcasting 10+
- Telecommunications 10+
- Computer programming, consultancy and related activities; information services 10+
- Repair of computers and communication equipment

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:%22PL%22}
Enterprises with high levels of digital intensity, by Enterprise size

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:%22byENTsize_s_m_l%22,%22unit-measure%22:%22pc_ent%22,%22time-period%22:%222016%22,%22ref-area%22:[%22EU28%22,%22PL%22]}
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


JRC-B3-DIH@ec.europa.eu

The Catalogue of Digital Innovation Hubs was created by TNO in cooperation with JRC of the European Commission
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 Poland in H2020

<table>
<thead>
<tr>
<th>Project Topic Code</th>
<th>Project Acronym</th>
<th>Project Duration</th>
<th>Project End Date</th>
<th>Participant Legal Name</th>
<th>Participant Role</th>
<th>Participant Short Name</th>
<th>Core Legal Entity Type</th>
<th>Research Organisation?</th>
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<tbody>
<tr>
<td>FoF-09-2015</td>
<td>HORSE</td>
<td>54</td>
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<td>FOF-12-2017</td>
<td>AMable</td>
<td>48</td>
<td>31/08/2021</td>
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<td>FOF-12-2017</td>
<td>CloudiFacturing</td>
<td>42</td>
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<td>31/08/2021</td>
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<td>29/02/2020</td>
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Data available in [CORDIS](http://cordis.europa.eu/home_en.html) and in the [European Commission databases](http://cordis.europa.eu/home_en.html).
<table>
<thead>
<tr>
<th>Project Number</th>
<th>Project Acronym</th>
<th>Project Duration</th>
<th>Project Start Date</th>
<th>Project End Date</th>
<th>Project Number of Participants</th>
<th>Participant Short Name</th>
<th>Participant Legal Name</th>
<th>Participant Role</th>
<th>Organisation Type</th>
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<td>609029</td>
<td>FORTISSIMO</td>
<td>42</td>
<td>01-Jul-2013</td>
<td>31-Dec-2016</td>
<td>123</td>
<td>MIT</td>
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<td>619205</td>
<td>ACTPHAST</td>
<td>48</td>
<td>01-Nov-2013</td>
<td>31-Oct-2017</td>
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<td>24</td>
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</table>

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

https://www.clustercolllaboration.eu/print/cluster-list?combine=&country_code=pl

Please see WG1 report
KETs in Poland

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 Poland
<table>
<thead>
<tr>
<th>Project Number</th>
<th>Project Acronym</th>
<th>Project Title</th>
<th>Project Start Date</th>
<th>Project End Date</th>
<th>Participant Legal Name</th>
<th>Participant Short Name</th>
<th>Sectors</th>
<th>Pilot line</th>
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<tbody>
<tr>
<td>646307</td>
<td>PLATFORM</td>
<td>Open access pilot plants for sustainable industrial scale nanocomposites manufacturing based on buckypapers, doped veils and prepregs</td>
<td>01/02/2015</td>
<td>31/01/2018</td>
<td>FUNDACJA PARTNERSTWA TECHNOLOGICZNEGO TECHNOLOGY PARTNERS</td>
<td>FUNDACJA PARTNERSTWA TECHNOLOGICZNEGO TECHNOLOGY PARTNERS</td>
<td>Aerospace, Defence industry, Automotive industry, Chemical Industry, Energy storage, Textile Industry, Power Generation Industry, Oil and Gas Industry, Security Industry, Construction Industry</td>
<td>Continuous melt blown filaments</td>
</tr>
<tr>
<td>646307</td>
<td>PLATFORM</td>
<td>Open access pilot plants for sustainable industrial scale nanocomposites manufacturing based on buckypapers, doped veils and prepregs</td>
<td>01/02/2015</td>
<td>31/01/2018</td>
<td>TOMASZ MARIAN KOSMIDER</td>
<td>TMBK Partners</td>
<td>Aerospace, Defence industry, Automotive industry, Chemical Industry, Energy storage, Textile Industry, Power Generation Industry, Oil and Gas Industry, Security Industry, Construction Industry</td>
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<tr>
<td>646397</td>
<td>NANOLEAP</td>
<td>&quot;Nanocomposite for building constructions and civil infrastructures: European network pilot production line to promote industrial application cases.&quot;</td>
<td>01/01/2015</td>
<td>30/06/2018</td>
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<td>PUR</td>
<td>Aerospace, Defence industry, Automotive industry, Chemical Industry, Energy storage, Textile Industry, Power Generation Industry, Oil and Gas Industry, Security Industry, Construction Industry</td>
<td></td>
</tr>
</tbody>
</table>

Data available in [CORDIS](http://cordis.europa.eu/home_en.html) and in the European Commission databases
Planned investments, allocated resources, in Poland, in relation to European Regional Development Funds in categories relevant for Digital Innovation Hubs.

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