



Digital Innovation Hubs & Smart Specialisation

EIT House (Brussels)
28 Nov 2017

DIGIMAT – South
Moravian Digital
Manufacturing Hub

Region: South Moravia, Czech Republic

Hub name: South Moravian Digital Manufacturing Hub –DIGIMAT

Location: South-Moravian region, Czech Republic

Contact:

Markéta Borovcová:

borovcova@jic.cz

David Uhlíř:

uhlir@jic.cz



Basic facts about the region



Inhabitans



Students



Researchers



Web of Science publications



3,8% of regional GDP is invested into R&D (50% private)



400+ companies with own R&D



28% of global production of electron microscopes



40% of global market share of antivirus producers in the region



The role of JIC in the regional ecosystem



Connect

Facilitate
collaboration
(B2B, B2 academia)

Support

Support creation of
new companies

Innovate

Help companies
grow and innovate

Nurture

Build a strong
innovation
ecosystem

Regional ecosystem in South Moravia



European
Commission





European
Commission

RIS and Industry 4.0.

| | | Application sectors | | | | |
|-----------------------------------------|-----------------------------------------|----------------------------------------------------|--------------------------------------|----------------------------------------------------------|---------------------------------------------|----------------------------|
| | | Advanced production and manufacturing technologies | Precision and scientific instruments | SW a HW development, <u>cognitronics</u> , cybersecurity | Pharma, medical care and <u>diagnostics</u> | Technologies for aerospace |
| Generic knowledge domains (KETs / GPTs) | Material science | | | | | |
| | ICT | | | | | |
| | Electronics and photonics | | | | | |
| | Advanced manufacturing technologies | | | | | |
| | Biotechnology and biomedicine | | | | | |
| | Design a creative industries | | | | | |
| Societal challenges | Sustainable energy and material sources | | | | | |
| | Environment for high quality living | | | | | |
| | Social and cultural challenges | | | | | |
| | Healthy population | | | | | |
| | Secure society | | | | | |

Industry 4.0

IoT



facilitator of the joint agreement and interface towards regional government



methodology and expertise for use cases



competence in education of companies, expertise in needs analysis



expertise for use cases



DIGIMAT – design of services

Needs analysis
in selected
company

First draft of
solutions
based on
needs analysis

Workshop:
company
meeting expert

Oponent review

Proposed
changes
reviewed by
client

Start of the
changes
implementation

- **From the project DIGIMAT to the creation of DIGIMAT Digital Innovation Hub (DIH)**
- **The ambition:**
to provide a delivery mechanism for bringing digital technologies to manufacturing firms while creating a platform of all relevant partners.
- **Complementarity with Czech national strategy for Industry 4.0 “National Initiative Industry 4.0”**
- **Policy instrument addressing the knowledge gap of manufacturing SMEs.**

Regional innovation strategy is not document or proces, it is state of mind.

Thank you for your attention!