



SECTION OF DEPUTY
PRIME MINISTER
FOR THE SCIENCE,
RESEARCH AND INNOVATION

Government of the Czech Republic



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SMART SPECIALISATION STRATEGY

- 1) S3 strategy
- 2) Transnational cooperation
- 3) RIS3 in the Czech Republic
- 4) Future

WHAT IS SMART SPECIALISATION?



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- long-term growth strategy
- innovative approach to boost **sustainable growth** and jobs in Europe
- based on competitive advantages of each region
- takes into account social and environmental aspects
- EU, national, regional as well as private funding

- to support **economic growth** and transformation towards a **knowledge economy**, taking into account the **societal challenges** and conditions existing in member states and their regions.



- Smart Specialisation is a place-based policy concept promoting regional economic transformation and investment through innovative activities in selected domains.
- The Smart Specialisation approach is characterised by the identification of strategic priority areas for policy support, based on both the analysis of the strengths and potential of the economy, and an entrepreneurial discovery process engaging wide stakeholder communities in decision-making processes.

WHY S3?



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SMART

- Identify the region's own strengths and comparative assets

SPECIALISED

- Prioritise research and innovation investment in competitive area

STRATEGIC

- Define a shared vision for regional innovation

- response to economic crisis to restore European economic growth
- a precondition to the fulfilment of EU regional and cohesion policies and Europe 2020 objectives
- incorporated into cohesion policy - ex-ante conditionality

PRINCIPLES:



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1) partnership

- academia,
- businesses,
- local authorities
- civil society

2) bottom-up approach in identification of priorities (Entrepreneurial discovery process – EDP)

- The EDP is an inclusive and interactive bottom-up process in which participants from different environments (policy, business, academia, etc) are discovering and producing information about potential new activities, identifying potential opportunities that emerge through this interaction, while policymakers assess outcomes and ways to facilitate the realisation of this potential.



- In general:
 - Possibility to learn from others
 - Share best/worse practices
- In global value chains :
 - Facilitates benchmarking
 - The most beneficial in sectors heavily integrated in global value chains (e.g. automotive)
 - Potential for technology upgrading

- Technopolis: „*A prospective comparative analysis of the national Smart Specialization Strategies in Central Europe. Expert assessment of synergies and areas of potential cooperation related to Smart Specialization Strategies in Central Europe.*“ September 2016
- Identifies 7 common S3 technology priority areas for cooperation of Central European countries

- Energy and environment
- Public health, medicine and life sciences
- Agro- and bio- economy
- **Advanced material and nanotechnology**
- Transport and mobility
- **Advanced manufacturing systems**
- **ICT and electronics**



- Entrepreneurship and Innovation
- Research and development
- Human resources
- Information and communication technology – digital agenda
- Social innovation



- Advanced materials
- Nanotechnology
- Micro- and nanoelectronics
- Advanced manufacturing technology
- Photonics
- Industrial biotechnologies
- Knowledge for digital economy - Cultural and Creative Industries
- Social-science knowledge for non-technical innovations



- Mechanical Engineering, Energy Industry and Metallurgy
- Electronics and Electrical Engineering and ICT
- Manufacture of Transport Means
- Medicinal Products, Biotechnologies, Medical Devices, Life Sciences
- Cultural and creative industries
- Agriculture and the Environment
- Societal Challenges
- + region specific application areas

CZ NUTS3



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- Set up of new Innovation centers in regions (Central Bohemia & Usti region)
- Enhancement in application areas (optoelectronics – South Moravian region, biotechnology – Olomouc region, Smart Cities – Central Bohemia & Hradec Kralove region) thanks to cooperation of stakeholders
- New cross-border cooperation, pilot projects (Karlovy Vary region)

- European Committee of the Regions: „Territorial Impact Assessment Smart Specialisation.“ March 2017:
- *„Smart specialization strategies can have a significant territorial impact, particularly with regard to economic, social and territorial cohesion. It can be a tool to improve the competitiveness and performance of rural areas in Europe.“*
- *“There are many opportunities for cooperation in smart specialisation, but there is currently no coordinated way to guide the overall direction of Europe.“*

- COM(2017) 376 final: „*Strengthening Innovation in Europe’s Regions: „Strategies for resilient, inclusive and sustainable growth”*“ adopted in July 2017“
- „...smart specialisation strategies are already making a difference by improving the quality of cohesion policy investment in innovation and have thus become an integral part of Europe's approach to innovation. It is also making a difference in the way European regions are designing and implementing their innovation policies and involving businesses.“

Key Challenges:

- Further reform of research and innovation systems within regions;
- Increasing cooperation in innovation investment across regions;
- Leveraging research and innovation in less developed and industrial transition regions;
- Harnessing synergies and complementarities between EU policies and instruments.



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Questions?

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