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DEVELOPMENT

Smart Specialisation National and Regional Landscape

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The concept of S3 in Polish innovation eco-system

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National Smart Specialisation

integral part of the Enterprise Development Programme (adopted by the Council of Ministers in 2014)

Thematic Objective (TO) 1: strengthening research, technological development and innovation – smart specialisations

- *financed within Smart Growth Operational Programme (2014-2020)*
- *budget: 6,12 billion euro (71,8 % of TO1 allocation)*

Smart specialization in Poland – co-ordination

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National smart specialisation –
coordinated by the Ministry of Economic Development
(in close co-operation with Ministry of Science and Higher Education)

1st quarter of 2016 – ex-ante fulfillment report sent to the EC

16 regional smart specializations –
independent EDP and monitoring mechanisms
coordinated by the Marshal Offices

2 regions fullfiled ex-ante conditionality so far
(Pomeranian and Greater Poland voivodeships)

Cooperation of national and regional level

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Organizational cooperation	• Consultative Group • Regional Forum of Smart Specialization - part of the Marshal Convent • Workshops and meetings (national and regional public administration, the EC, the Wold Bank)
Process cooperation	• Regional consultants • Interviews, Smart labs • Exchange of information on the EDP and monitoring outcomes
Thematic cooperation	• Assuring thematic synergy of regional and national smart specializations • Coordination also on the level of Regional scientfic and research agendas - national instrument dedicated to regional smart specializations

Polish smart specialisations (national level)

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HEALTHY SOCIETY

- Medical engineering technologies, including medical biotechnologies
- Diagnosis and treatment of lifestyle diseases and personalized medicine
- The manufacturing technologies and production of medicinal products

BIOECONOMY

- Innovative technologies, processes and products of the agri-food
- High quality food
- Biotechnological processes and products of household chemistry and environmental engineering

SUSTAINABLE ENERGY

- High efficiency, low-emission and integrated manufacturing circuits, storage, transmission and energy distribution
- Smart and energy efficient construction
- Environmentally friendly transport solutions

Polish smart specialisations (national level)

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NATURAL RESOURCES AND WASTE MANAGEMENT

- Modern technology acquisition and utilization of natural resources and the production of substitutes
- The material and energy use of wastes (recycling and other recovery methods)
- Multifunctional materials and composites with advanced properties, including nano-processes and nano-products

INNOVATIVE INDUSTRIAL TECHNOLOGIES AND PROCESSES (HORIZONTAL)

- Biosensors and smart sensor networks
- Smart grids and remote sensing
- Plastic and organic electronics
- Automatization and robotics of technological processes
- Photonics
- Intelligent creative technologies
- Maritime innovative technologies

Entrepreneurial discovery process – national elements

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Working Groups

- Created in each smart specialization
- Up to 30 representatives from business and science
- Working on: detailed description of smart specializations, SWOT analysis, visions for the future development

Consultative Group

- Representatives of national & regional public administration
- Exchange of information on the national & regional smart specialisations, monitoring outcomes, outcomes of key innovation projects run by public administration

Economy Observatory

- Business representatives with outstanding innovation/ business experience (business angels, VC, innovation leaders)
- Defining global innovation trends and business niches

Entrepreneurial discovery process – national elements with regional context

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Regional consultants

- Recruited in 16 regions (up to 3 consultants in each regions)
- Responsible for interviews and moderating smart labs

Interviews

- Companies selected by PARP based on defined criteria
- Conducted by regional consultants
- Aim: identification of company's potential and growth barriers, potential niches, verification of specialisations

Smart labs

- Thematic focus groups consisting on the entrepreneurs selected from the interviews and science representatives
- Aim: defining the area of co-operation among regions or on the national level

Crowdsourcing

- Online survey directly involving SMEs in innovation policy making
- Instrument can also be used to identify firms for the interview or Smart Labs

Monitoring system of national S3

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Quality analysis

- data on the outcomes of financed projects
- data on the thematic concentration
- data on the emerging smart specialisations (EDP)
- data on the development trends and foreign markets benchmarking
- data on barriers to innovation

Statistical data

- data from Central Statistical Office, Polish Patent Office etc.
- data on the regional potential in the areas of national smart specialisations

Aggregation of data

Steering Committee  Council on innovativeness

Challanges and future actions (1/2)

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Continuation of EDP process & assuring its effectiveness

- Focusing on the thematic **concentration**
- Continuous **involvment** of business and science representatives in all elements of EDP
- **Implementing** EDP model of national/regional co-operation **with 16 regions** and implementing all the elements of the EDP (bilateral meetings of MoED with 16 Marshall Offices to agree on the individual model of co-operation)
- **Adjusting public support** and innovation policy to identified needs and potential of enterprises
- Continuous **exchange of experience** and good practices between national & regional authorities

Challanges and future actions (2/2)

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S3 implementation and monitoring

- Providing **statistical data** (agreed common indicators) from the national level to regions – avoiding double financing
- **Aggregating data from all EDP elements**, statistical analysis, quality analysis and outcomes of SG OP projects (innovation maps)
- Designing **verification mechanism** assessing proposed changes to the list of smart specialisations (managing the variuos group of **interests**)
- Exchange of information on the **implementation outcomes** of SG OP and ROP in the areas of smart specialisations

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Thank you for your attention.