

# **Smart Government for Smart Specialisation – Building Capacity for Policy design and implementation**

## **Case of Poland**



**Beata Lubos, Head of Innovation Policy Unit,  
Ministry of Economy of Poland  
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# S3 Governance

## National level

a) co-ordinated by three ministries: Ministry of Economy (the leader of the process), Ministry of Science and Higher Education and Ministry of Infrastructure and Development

b) demarcation with other ministries competences and operational programmes such as: defence, food industry, environment (need for coordination)

c) implementation

-Ministry of Economy/PAED

-Ministry of Science and Higher Education/NRDC

d) monitoring & evaluation

3 Ministries - of Economy, Infrastructure and Development, Science

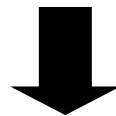
## Regional level

Co-ordinated by each region by Marshall's Offices (16 regions) with a feedback for national level

## The key documents in the proces of designing National Smart Specialisation

**Strategy of Innovativeness  
and Effectiveness of Economy  
(SIIEE)**

**Strategic document of  
the Ministry of Economy  
in the field of entrepreneurship  
and innovativeness of Polish economy**



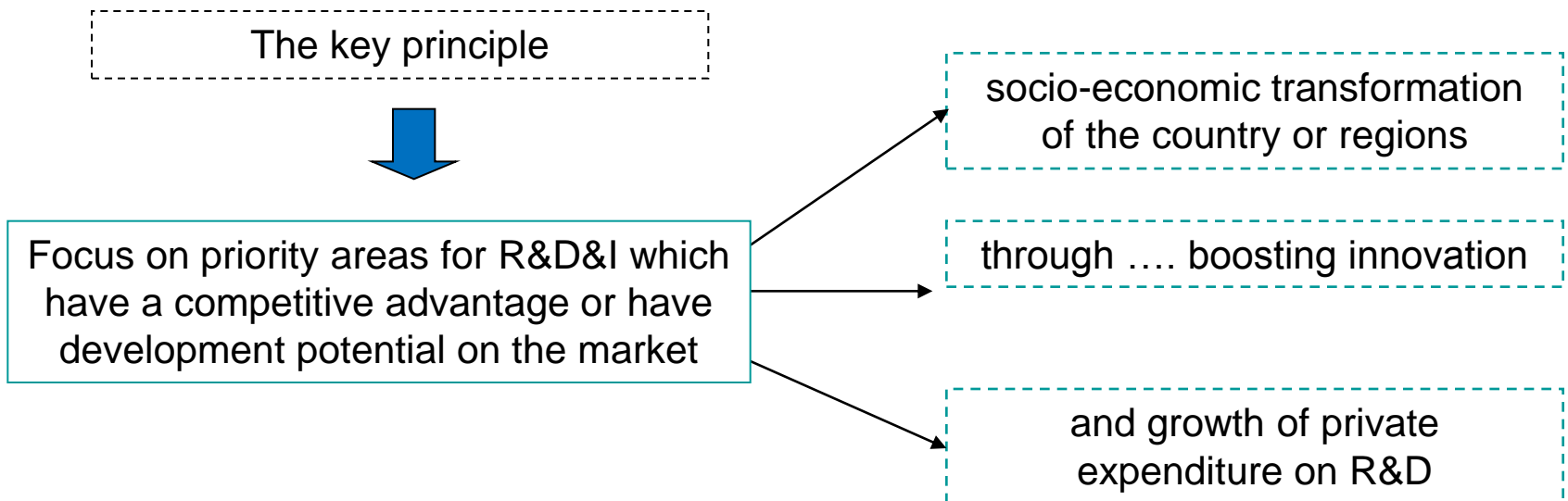
**Enterprise Development Programme  
(EDP)**

**Operational programme for SIIEE**

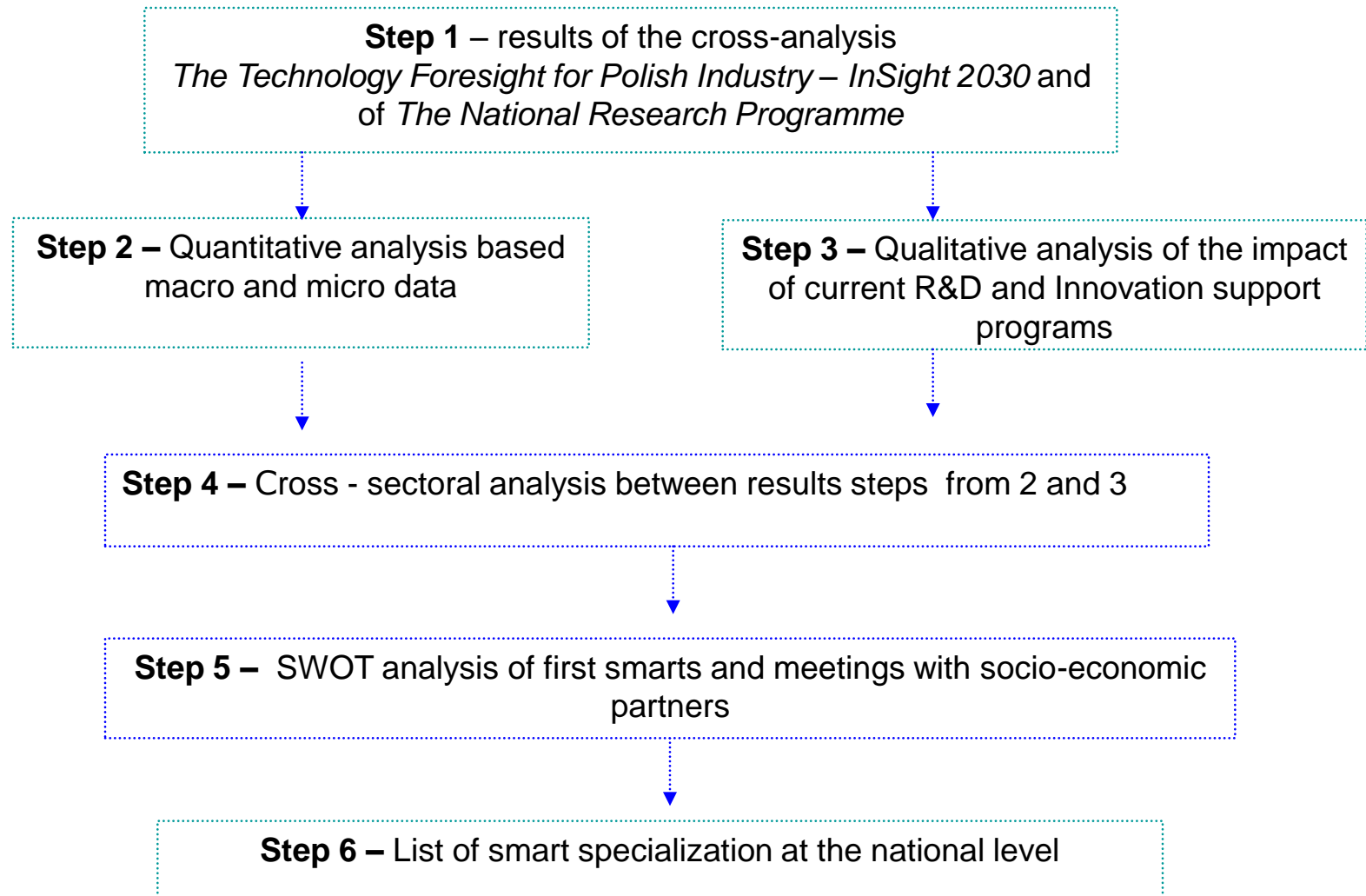
**National Smart Specialization**

## National Smart Specialization in Poland – the framework

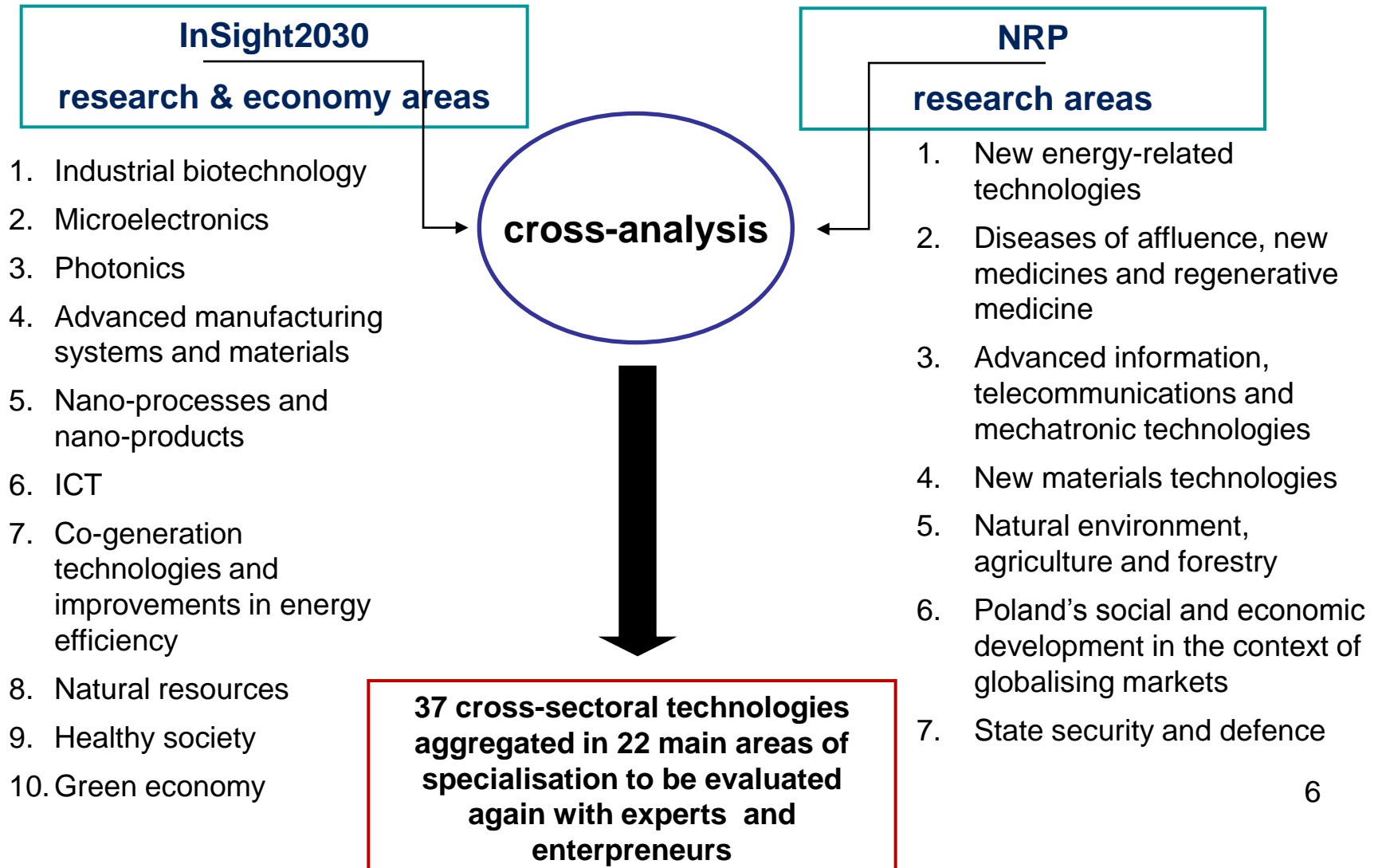
The result of the National Smart Specialisation in Poland will be areas of smart specialization on the national level, along with a mechanism for reviewing and updating the selection in progress.



# The process of identifying R&D&I priority areas in Poland



# Technology Foresight for Polish Industry – InSight 2030 vs. National Research Programme (NRP)



# Smart specialization areas in Poland

## SUSTAINABLE ENERGY

- *High efficiency, low-emission and integrated energy production, storage, transmission and distribution systems*
- *Smart and energy efficient construction*
- *Environmentally friendly transport solutions*

## NATURAL RESOURCES AND WASTE MANAGEMENT

- *Modern technologies for sourcing, processing and use of natural resources and production of substitutes thereof*
- *Minimising waste, including waste unfit for processing and use of waste for material and energy purposes (recycling and other recovery methods)*
- *Innovative technologies for processing and recovery of water and reducing its consumption*

## HEALTHY SOCIETY

- *Medical engineering technologies, including medical biotechnologies*
- *Diagnosis and treatment of civilization diseases and personalized medicine*
- *Production of medicinal products*

## AGRI-FOOD, FORESTRY-TIMBER AND ENVIRONMENTAL BIOECONOMY

- *Innovative technologies, processes and products of the agri-food and forestry-timber industry*
- *Healthy food (high quality and organic production)*
- *Biotechnological processes and products of household chemistry and environmental engineering*

## INNOVATIVE TECHNOLOGIES AND INDUSTRIAL PROCESSES ( HORIZONTAL APPROACH)

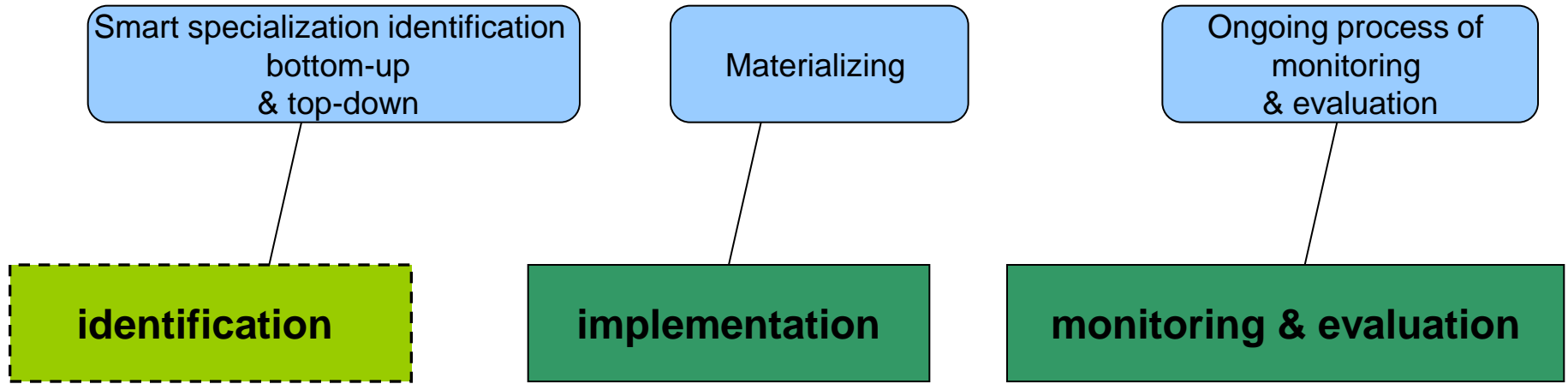
- *Multifunctional materials and composites with advanced properties, including nano-processes and nano-products*
- *Sensors (including biosensors) and smart sensor networks*
- *Smart grids and geo-information technologies*
- *Electronic based on conducting polymers*
- *Automation and robotics of technological processes*
- *Optoelectronic systems and materials*

## The openness of the document

- **„living” document**, open for changes and modification basing on the entrepreneurial discovery process, outcomes of the monitoring & evaluation systems
- **monitoring of the outcomes** – on-going
- **evaluation** – once a year/ ex-post



# Implementation system



### Instruments

**Projects under structural funds:**  
 OP SG 2014-2020, ROP

**Projects financed from the national budget:**  
 - Implemented by the PAED & NCRD

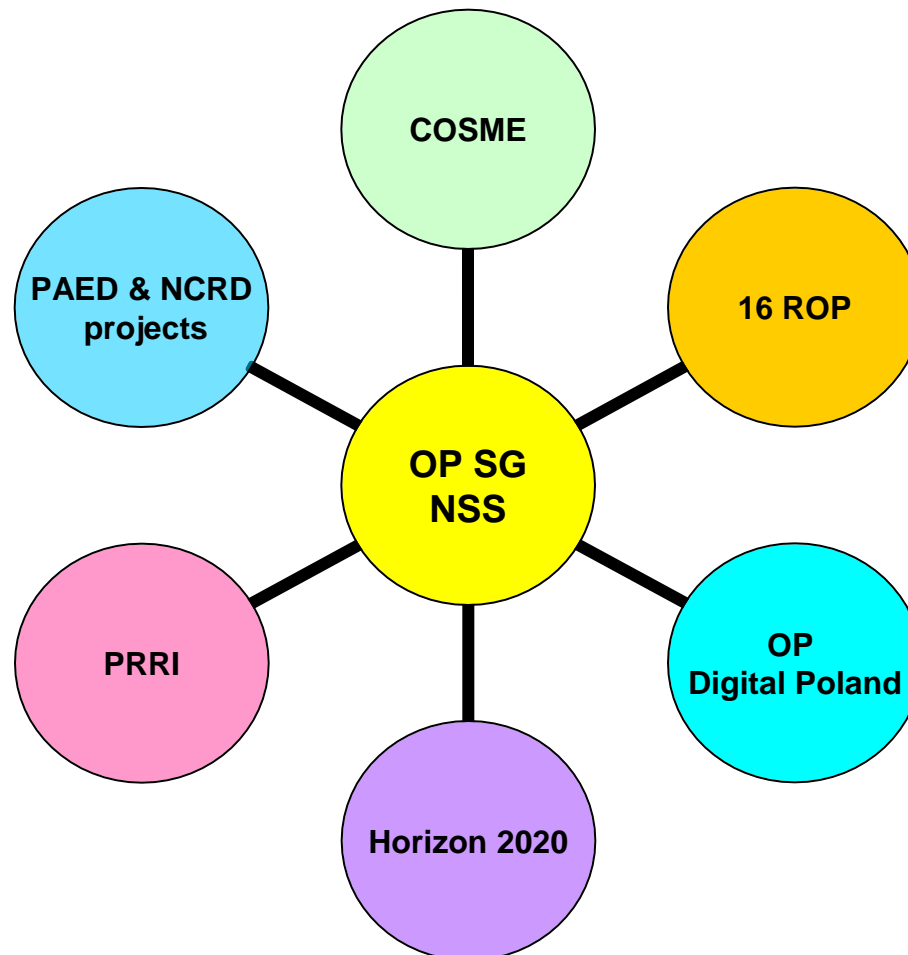
### Objectives

Achieving goals defined in the strategy Europe 2020 and specific goals defined for each smart specialization

Development of the competitiveness (globally) and socio-economic transformation (domestically)

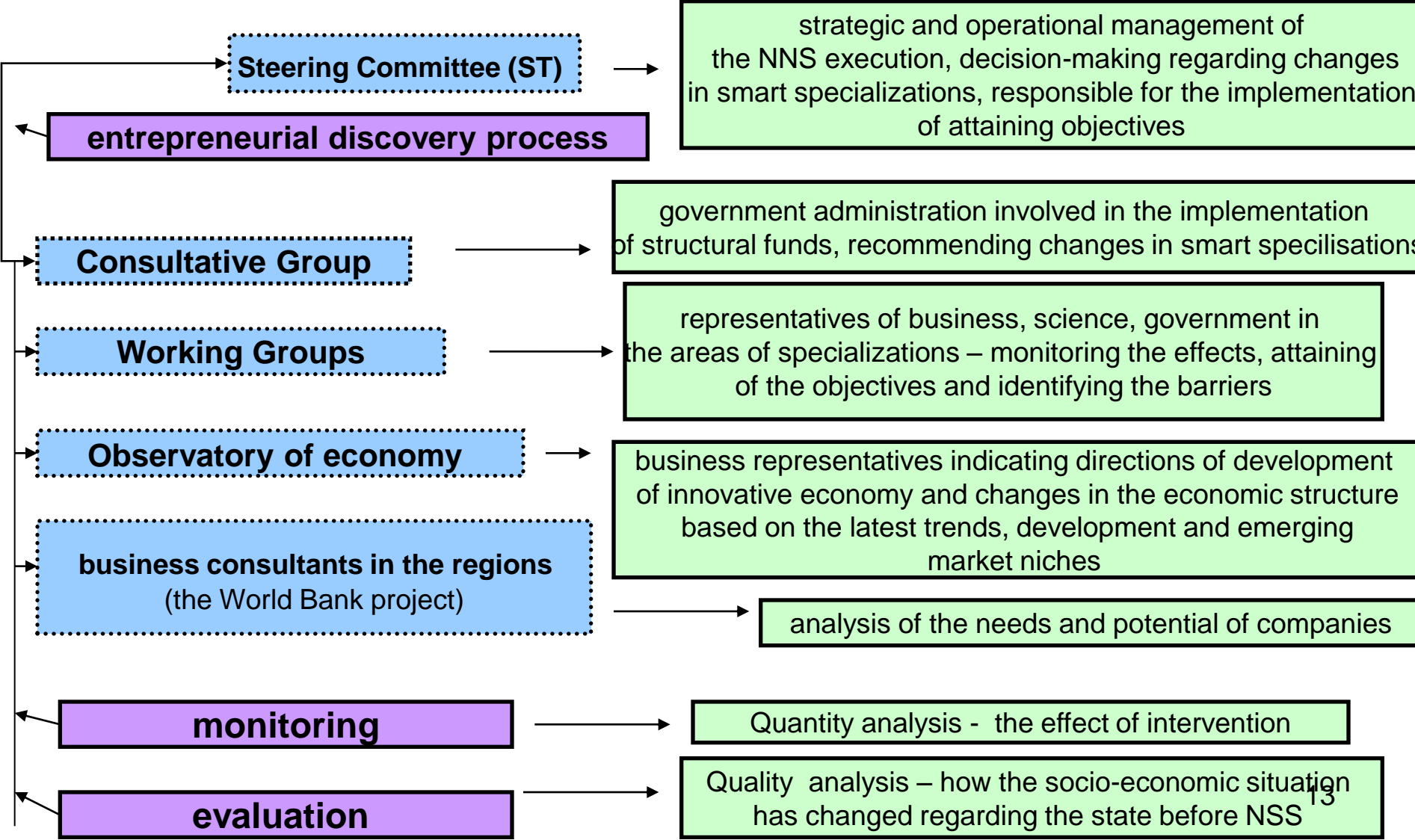
# The implementation of smart specializations under OP SG

The synergy between national smart specialization and OP SG and other programmes



# Monitoring & evaluation system

# The logic of the system



# Action Plan

# Action Plan for ex-ante conditionality for Thematic Objective 1

20 actions to be taken in the following areas:

- Entrepreneurial discovery process
- Evidence-based policy
- Precise definition of smart specializations
- Roadmapping – budget, timetable, responsible bodies
- Synergy between national and regional level
- Implementation of National Smart Specialization
- Monitoring, evaluation and communication

**Thank you for your attention!**

**[beata.lubos@mg.gov.pl](mailto:beata.lubos@mg.gov.pl)**