



EDP IN DEVELOPMENT OF S^3 AND REFINING OF S^3 DOMAINS

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AGENDA

1. Poland – general context
2. Building evidence base for S3
3. Establishing EDP – stakeholder dialogue
4. Institutional capacity building

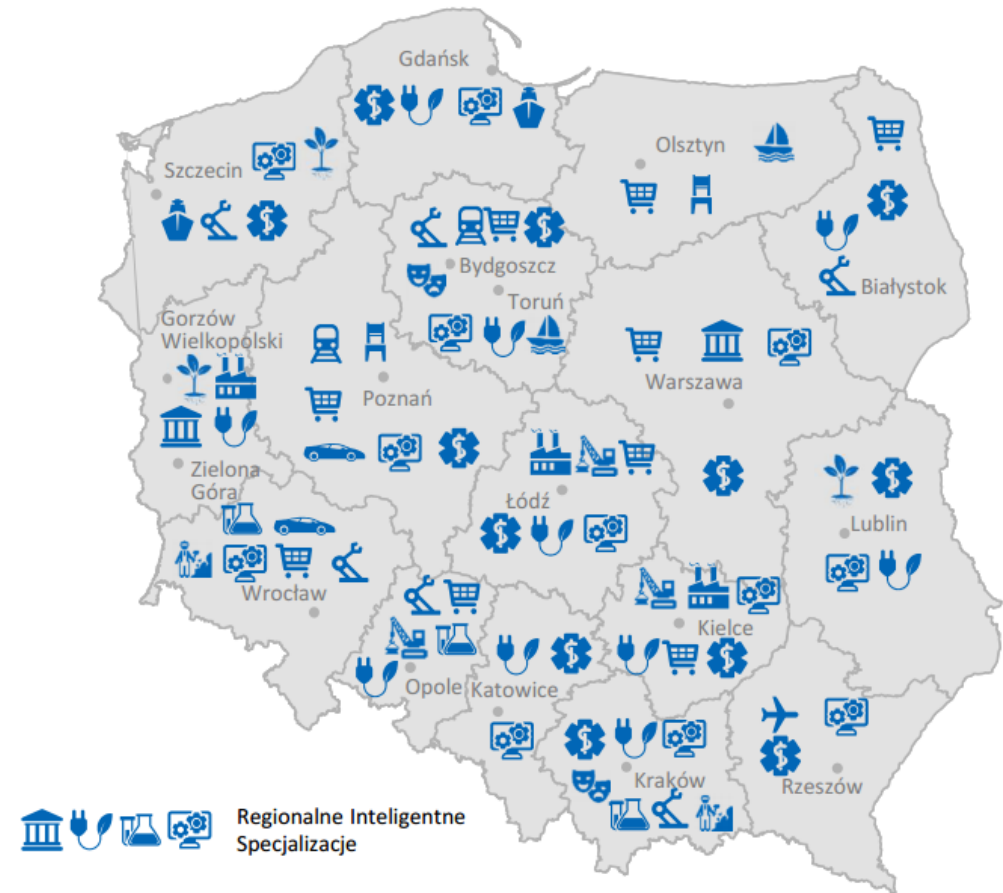
POLAND – GENERAL CONTEXT



16 regions – EU funded programmes
both on national and regional level


Smart specialisation, EDP – national &
regional

Process initiated in 2012, developed as
conditionality for EU funds



POLAND — GENERAL CONTEXT

- approx. 4 milion enterprises
- no obligatory participation in chambers etc.
- many business organizations – none truly representative
- nearly 200 universities and colleges
- over 400 research units
- over 200K people professionally engaging in R&D activities

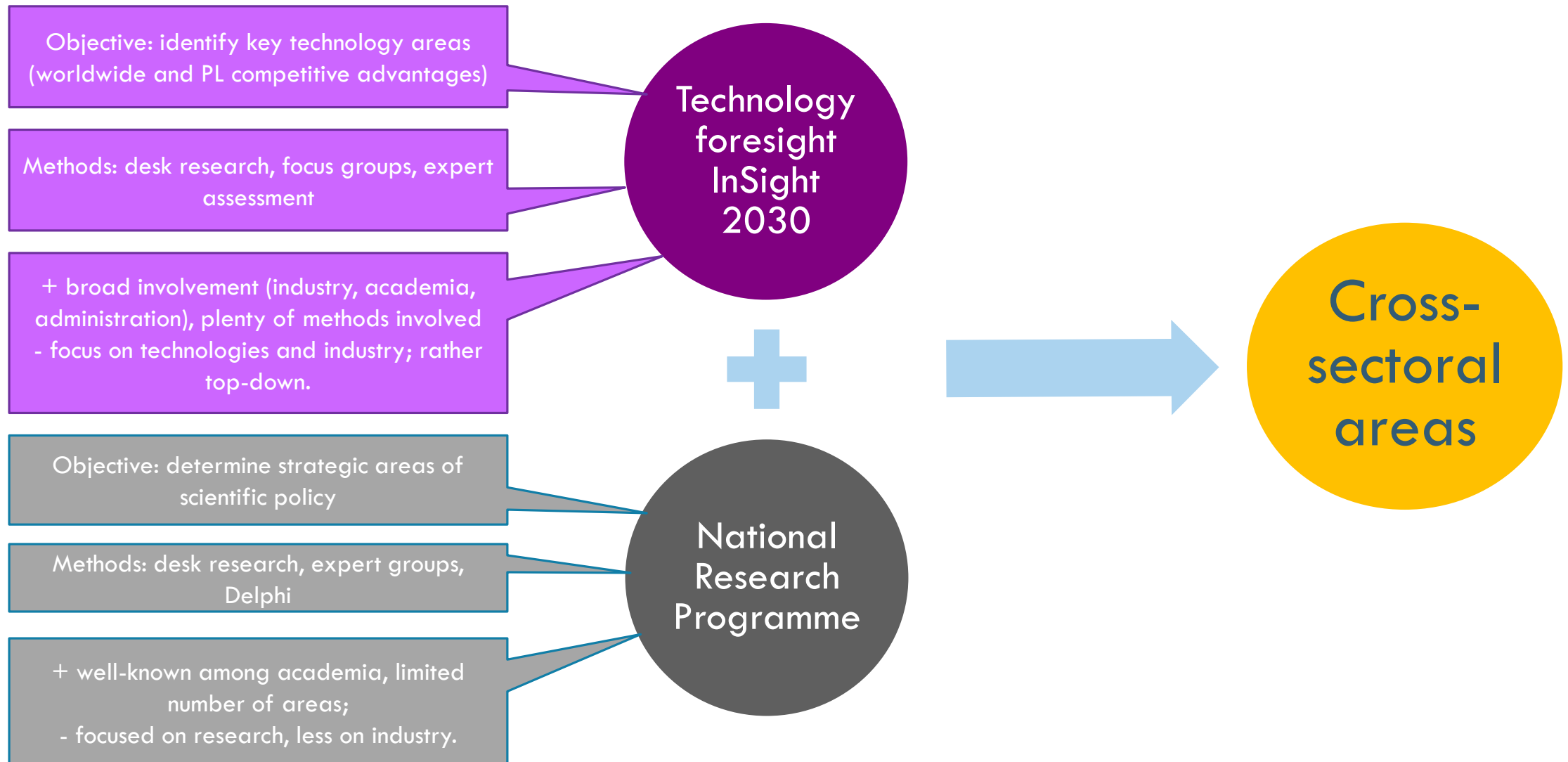


Challenge – how to reach out effectively?

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DIAGNOSIS / MAPPING – EXISTING DOCUMENTS



DIAGNOSIS / MAPPING — EXISTING DOCUMENTS

- EXAMPLE



EVIDENCE BASE — EXISTING DATA

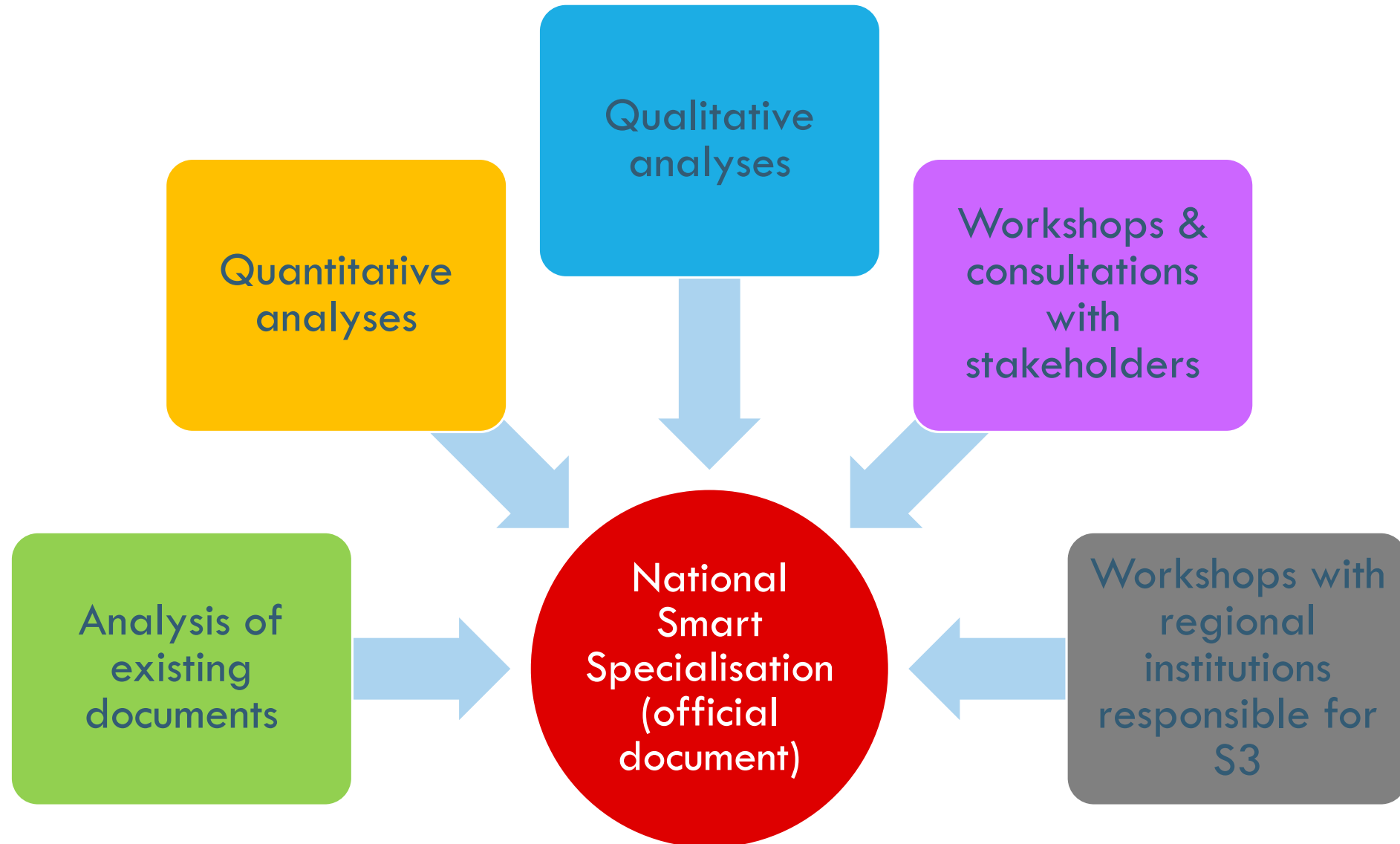
Quantitative analyses

- Exports;
- Industrial value added;
- Gross expenditure on R&D;
- Employment by industries;
- Share of sales income from new or significantly improved products;
- Inventions filed in Polish Patent Office and EPO; patents granted.

Qualitative analyses

- Clusters and co-operations;
- Projects funded from EU funds (both national and Framework Programme);
- Strategic projects in public R&D infrastructure (roadmap);
- Preliminary areas of regional S3.

DIAGNOSIS / MAPPING - OUTPUTS



S3 AREAS - 2019

Healthy society

Agriculture and food bioeconomy, forest-based and environmental bioeconomy

- Innovative technologies, processes and products of agriculture, food and forest-based sector
- Biotechnological and chemical processes, bioproducts and products of dedicated chemistry and environmental engineering

Sustainable energy industry

- Highly efficient, low-carbon and integrated systems of generation, storage, transmission and distribution of Energy
- Smart and energy-efficient construction
- Environmentally friendly transport solutions

Circular economy – water, fossil, raw materials, waste

S3 AREAS - 2019

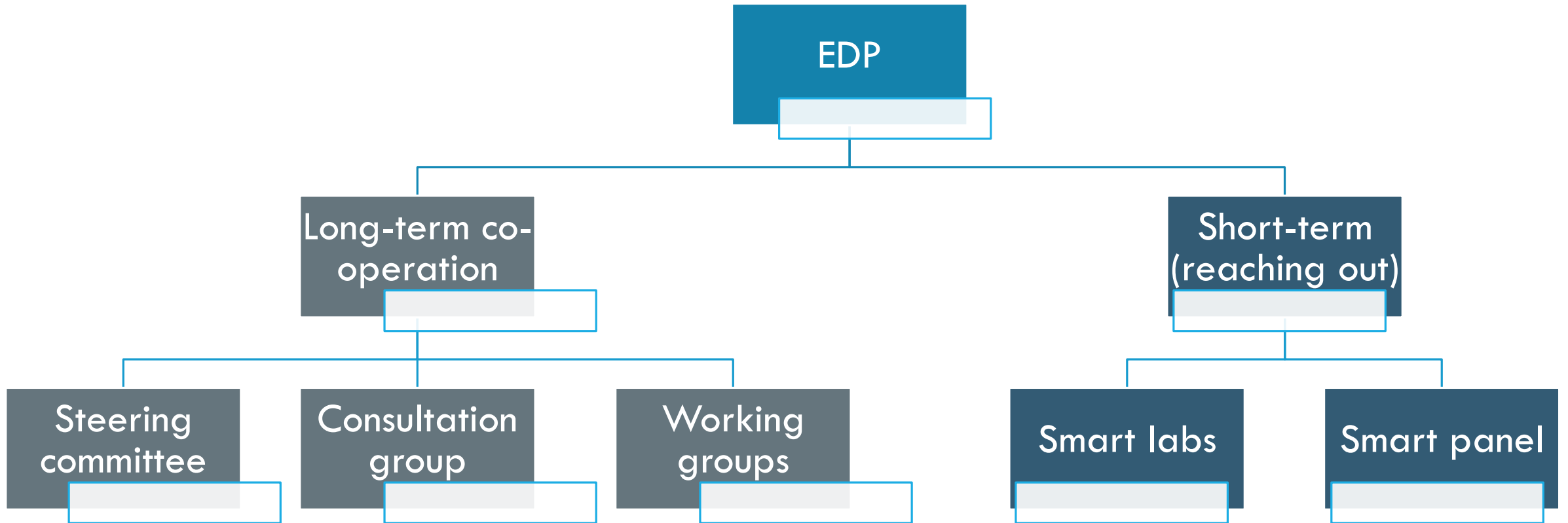
Innovative technologies and industrial processes (horizontal approach)

- Multifunctional materials and composites with advanced properties, including nanoproducts and nanoproducts
- Sensors (incl. biosensors) and smart sensor networks
- Smart networks, information and communication technologies and geoinformation technologies
- Printed, organic and flexible electronics
- Automation and robotics of technological processes
- Photonics
- Smart creative technologies
- Innovative maritime technologies for specialized vessels, maritime and offshore structures and Logistics based on sea and inland waterway transport

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EDP – COMPONENTS



EDP — LONG-TERM CO-OPERATION

Steering Committee

- 3 ministries (economy, science, regional development)
- decision-making power

Consultation Group

- National+regional +European Commission
- Exchange of experience and best-practice
- Common monitoring

Working groups

- Academia, business, administration, business environment
- One group per area of specialisation
- Regular meetings
- Deliveries: vision for the area; roadmaps
- May commission analyses, research

STAKEHOLDER DIALOGUE — REACHING OUT

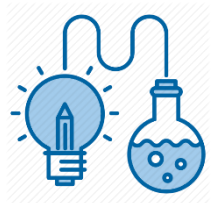
Smart panel / structured interviews:

- with business, owners/CEOs;
- areas: type of business, area of operations; innovative activity; decision-making process of the company;
- whole country.



Smart labs:

- Grouping business / academia in a particular area (either narrower or cross-cutting the S3 areas);
- Drafting development plans / recommendations for support;
- Possible future S3 areas.



Business Technology Roadmaps.



EDP — ENGAGEMENT OF STAKEHOLDERS

- academia — relatively easy to involve, volunteers
- business organisations, supporting institutions — relatively easy to involve, but require financing
- business — very difficult to involve long-term, especially smaller firms; needs to see tangible benefits
- working groups etc. — need to ensure balance and account for lobbying!

STAKEHOLDER DIALOGUE - RESULTS

S3 areas have gained recognition as a conditionality for EU funds (only projects in one of the areas obtain financing / preference in calls).

KIS is an open document – constantly updated based on:

- Monitoring data (number of applications, number of successful applications; statistical data for each area);
- EDP, in particular discussions within working groups;
- Collected data;
- Strategic programming;
- Decisions of Steering Committee.



STAKEHOLDER DIALOGUE - OUTPUTS

Sample results of EDP:

- Adding new S3 areas;
- Redefining / consolidation of areas;
- Restructuring of EDP (smart labs => smart panels; streamlining the institutional structure of EDP)

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INSTITUTIONAL CAPACITY

A clear leader of the process (one ministry/department responsible / contact point) – PL: Ministry of Entrepreneurship and Technology

Close working dialogue between actors in the administration – PL: three ministries as a core

Stable financing for the process – PL: EU funds (a project devoted to S3).

Thank you for your attention!

Katarzyna Kaczkowska

R & D & I Financing, financial instruments, smart specialisation

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NATIONAL-REGIONAL CO-OPERATION

Exchange of best practice

Workshops – regional & national authorities
(project with WB)



Consultation Group (regular meetings, focus
on specific problems)

Exchange of data

List of common indicators

Exchange of data

Planned – electronic tool for the
aggregation and presentation of data
for monitoring and evaluation of S3

