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CROATIAN
CHAMBER OF
ECONOMY

CENTAR ZA INOVACIJE I EU PROJEKTE
INNOVATIONS AND EU PROJECTS CENTRE

3rd session: The role of innovation and new technologies in the development of infrastructures and networks for the new programming period 2021-2027

Linking innovation and networking regional diversity through S3 tools

Zagreb/Thessaloniki, 25. 09. 2021.

Linking innovation and networking regional diversity through S3 tools

Content

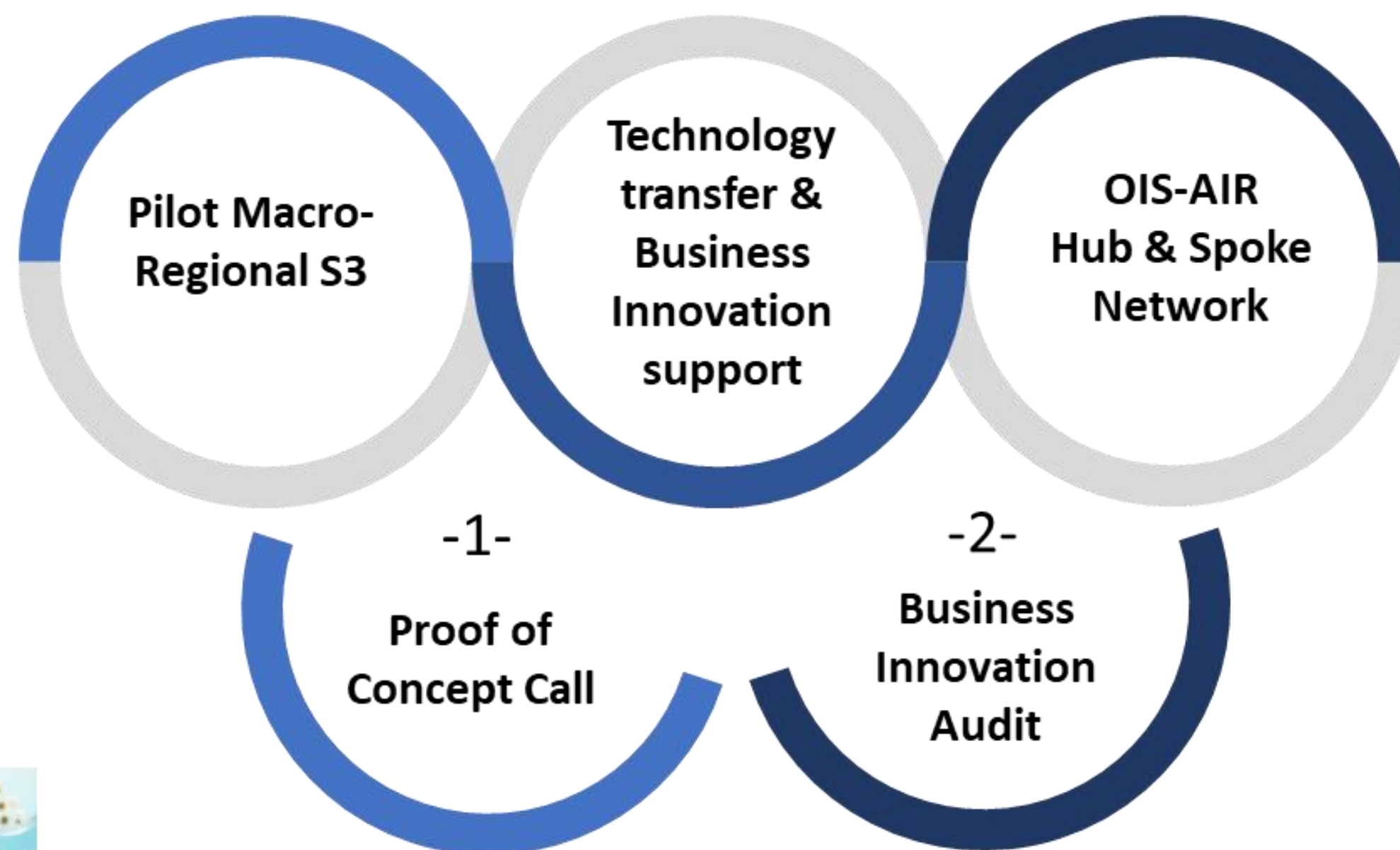
- OISAIR project – Macroregional S3 Pilot
- BLUEAIR project – Innovation Strategy
- Plan for Industrial Transition – Croatian region of Pannonia (network approach example)



OISAIR: main pillars and activities



- Action Plan for the Pilot macro-regional S3
- Roundtables & meetings with policy makers



- Open Innovation workshops
- 10 Innovation vouchers (18.500 € each)
- 150 innovation audits

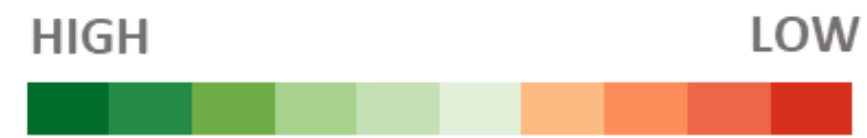


- OISAIR platform
- OISAIR Network
- Innovation Centers



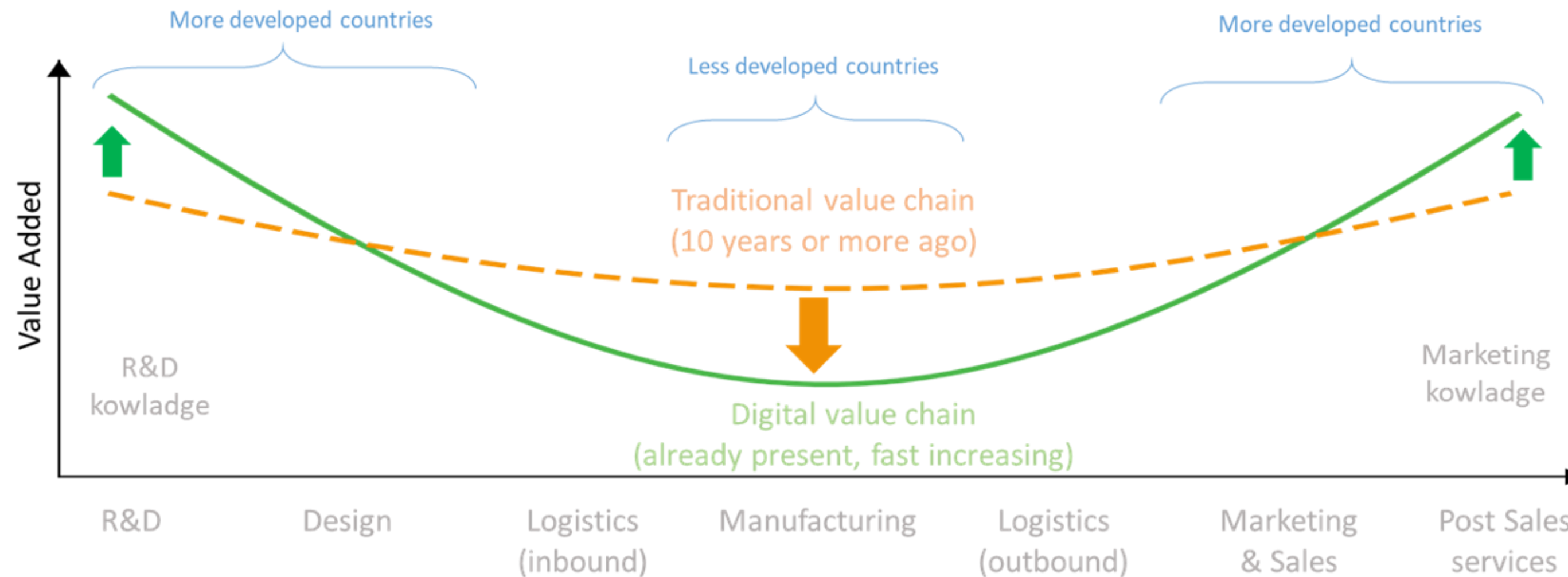
OISAIR: GVC and local trade

GVC Participation

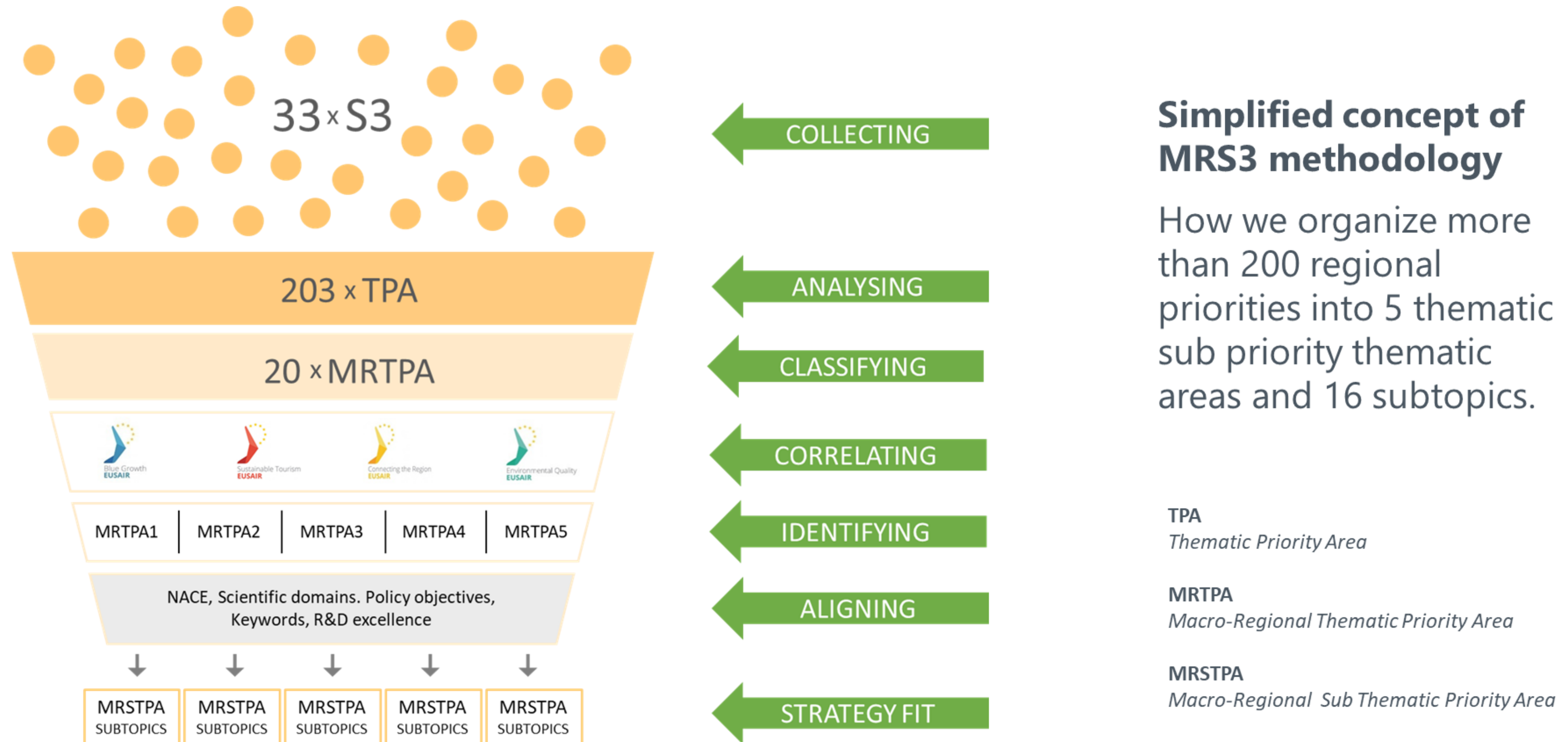


Country	GVC participation (share of gross export)	Share of export to ADRION region in total export	Forward participation (importing to export)	Backward participation (importing to export)	GDP per capita (current US dollars)
Italy	81%	3%	38%	43%	32,746.61
Slovenia	77%	26%	32%	45%	23,296.41
Greece	33%	15%	14%	19%	18,198.00
Croatia	30%	41%	16%	14%	13,176.53
Bosnia and Herzegovina	24%	45%	16%	8%	5,180.78
Albania	17%	70%	9%	8%	4,450.01
Montenegro	13%	43%	3%	10%	7,702.57
Serbia*	1%	35%	0%	1%	5,912.08

Traditional Trade flow in ADRION region



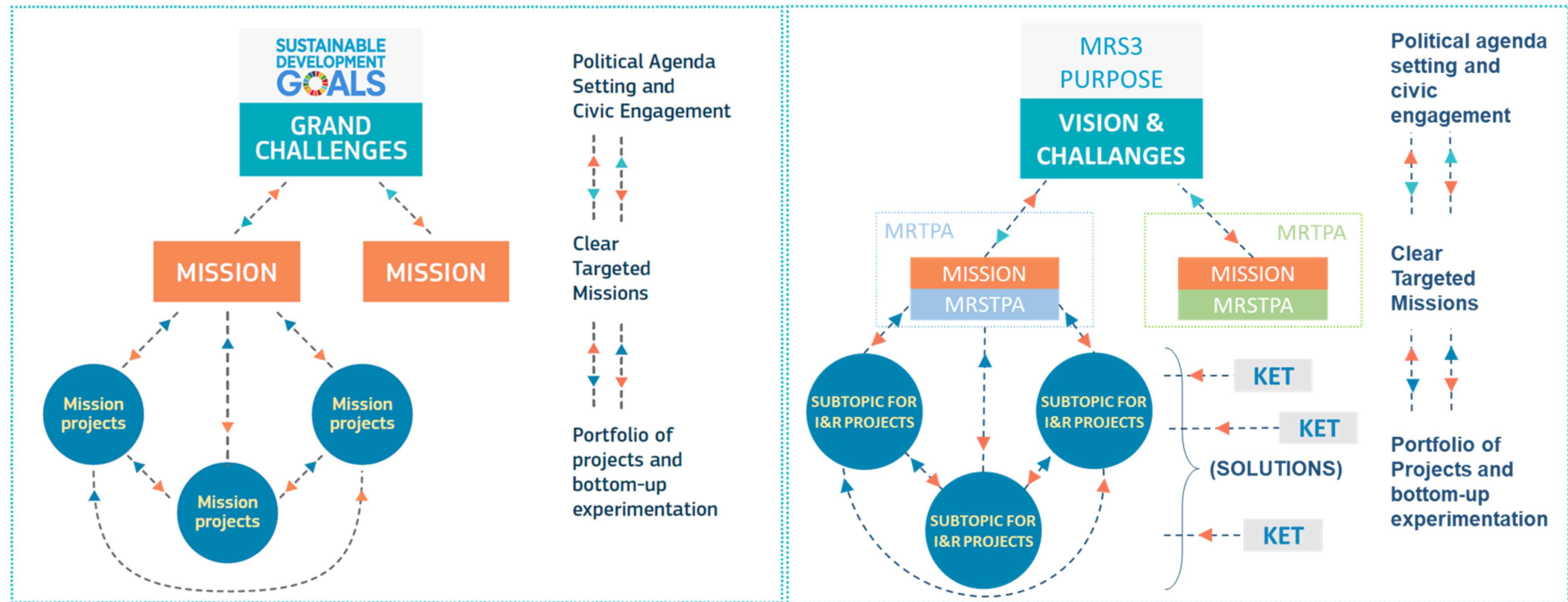
MRS3: methodology based on S3



Mission: understanding the challenge

Connecting challenges, missions and projects...

...or MRS3, MRSTPA, their goals and associated subtopics



Source: Mazzucato, M. (2018), MISSIONS: Mission-Oriented Research & Innovation in the European Union: A problem-solving approach to fuel innovation-led growth

Source: Author (based on Mazzucato, M)

MRS3: Thematic Priority Areas

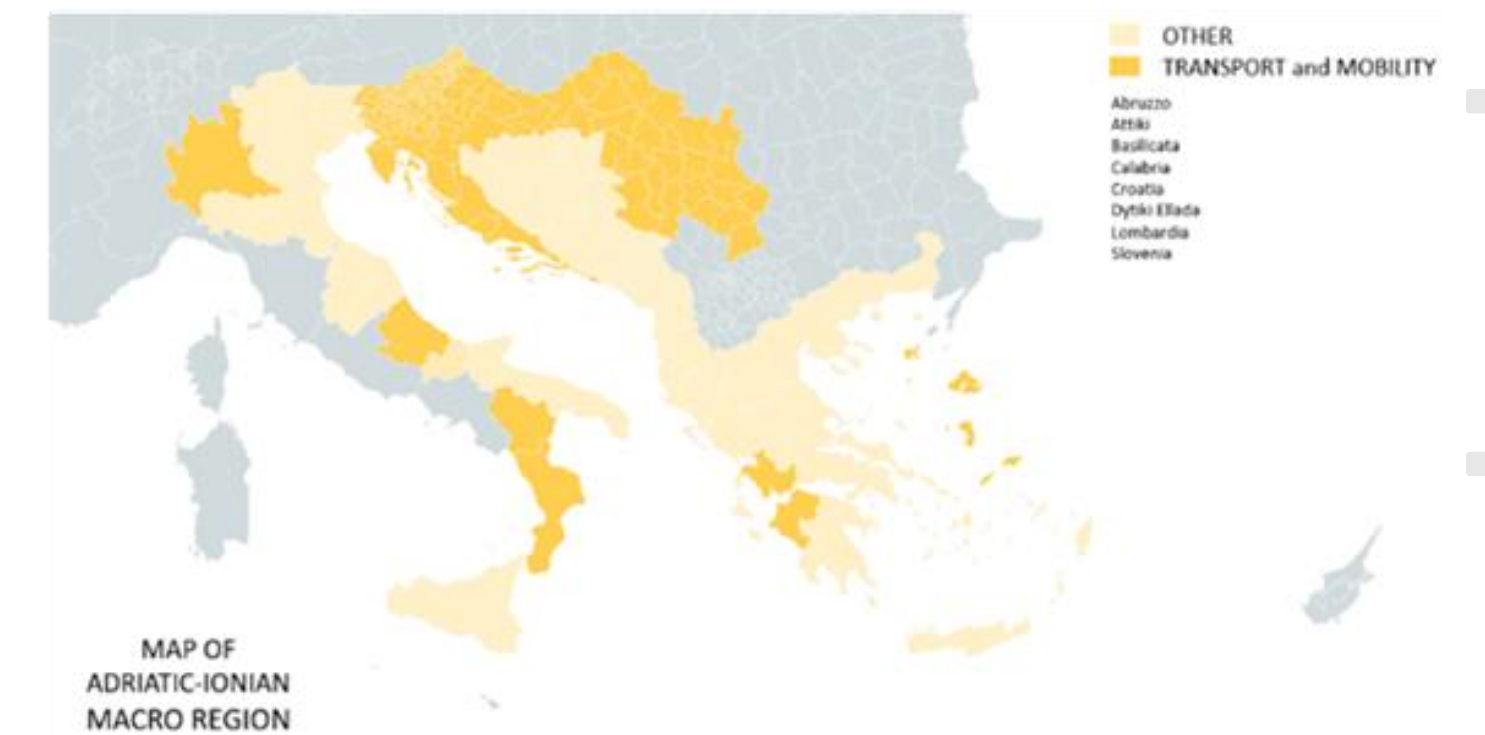
Agro Bio Economy



Energy and Environment



Transport and Mobility



Tourism and Culture



Health and Medicine



Example: Healthy and functional food

Mission

Fresh and safe Mediterranean diet delivered from its source

Goal

Creating and securing sustainable value chain based on regional fresh seafood marketed for healthier lifestyle.



10 awarded projects (6 from Agrobio)



Beneficiary: SISSA, ITALY
Industrial partner: LBABio, SLOVENIA
Sector: Agro Bioeconomy
Project: IN SILICO DESIGN OF PEPTIDE-BASED BIOSENSORS



Beneficiary: Faculty of Biology University of Belgrade, SERBIA
Industrial partner: Gibob S.R.L., Milano, ITALY
Sector: Agro Bioeconomy
Project: DEVELOPMENT OF NEW GENERATION OF BIOLOGICAL CONTROL AGENTS AND BIOFERTILIZERS FOR SUSTAINABLE AGRICULTURE



Beneficiary: University of Padua, Department of Industrial Engineering, ITALY
Industrial partner: RPG Katica Rajkovic, SERBIA
Sector: Agro Bioeconomy
Project: IMPROVING THE FOOD SAFETY AND SHELF LIFE BY THE HIGH PRESSURE CO₂



Beneficiary: University of Padova, Department of Comparative Biomedicine and Food Science (BCA), ITALY
Industrial partner: Blupesca SRL, Venezia ITALY & ITPhotonics srl, Vicenza ITALY
Sector: Agro Bioeconomy
Project: DEVICE FOR THE ONLINE EVALUATION OF SHELF LIFE, AUTHENTICITY AND QUALITY OF SEAFOOD PRODUCTS - SeaQual




Beneficiary: University of Maribor, Faculty of Electrical Engineering and Computer Science, SLOVENIA
Industrial partner: NEONART d.o.o, Maribor, SLOVENIA
Sector: Energy and Environment
Project: DEVELOPMENT OF A UNIVERSAL PV POWER SYSTEM AS A POWER SUPPLY FOR ILLUMINATED ADVERTISING PYLON



Beneficiary: TECOS Slovenian Tool and Die Development Centre, SLOVENIA
Industrial partner: FLEXIDO, fleksibilne robotske celice, d.o.o, SLOVENIA
Sector: Energy and environment
Project: INCREASING THE ENERGY EFFICIENCY OF INJECTION MOLDING PROCESS



Beneficiary: University of Parma, ITALY
Industrial partner: 4e consulting s.r.l, ITALY
Sector: Transport and mobility
Project: HEATER-IN-CONVERTER (HIC): BRINGING HEATING CAPABILITY TO POWER CONVERTERS WITHOUT DENSITY PENALTIES - PSEUDO-COGENERATION FOR BATTERY HEATING ON ELECTRIC AND HYBRID BOATS (PSECOB2)



Beneficiary: University of Maribor, Faculty of Agriculture and Life Sciences, Chair of Biosystems Engineering SLOVENIA
Industrial partner: Az. Agricola Giorgio Pantano ITALY
Sector: Agro Bioeconomy
Project: SMART CANOPY MEASURING SYSTEM FOR THE REDUCTION OF PLANT PROTECTION AGENTS USE

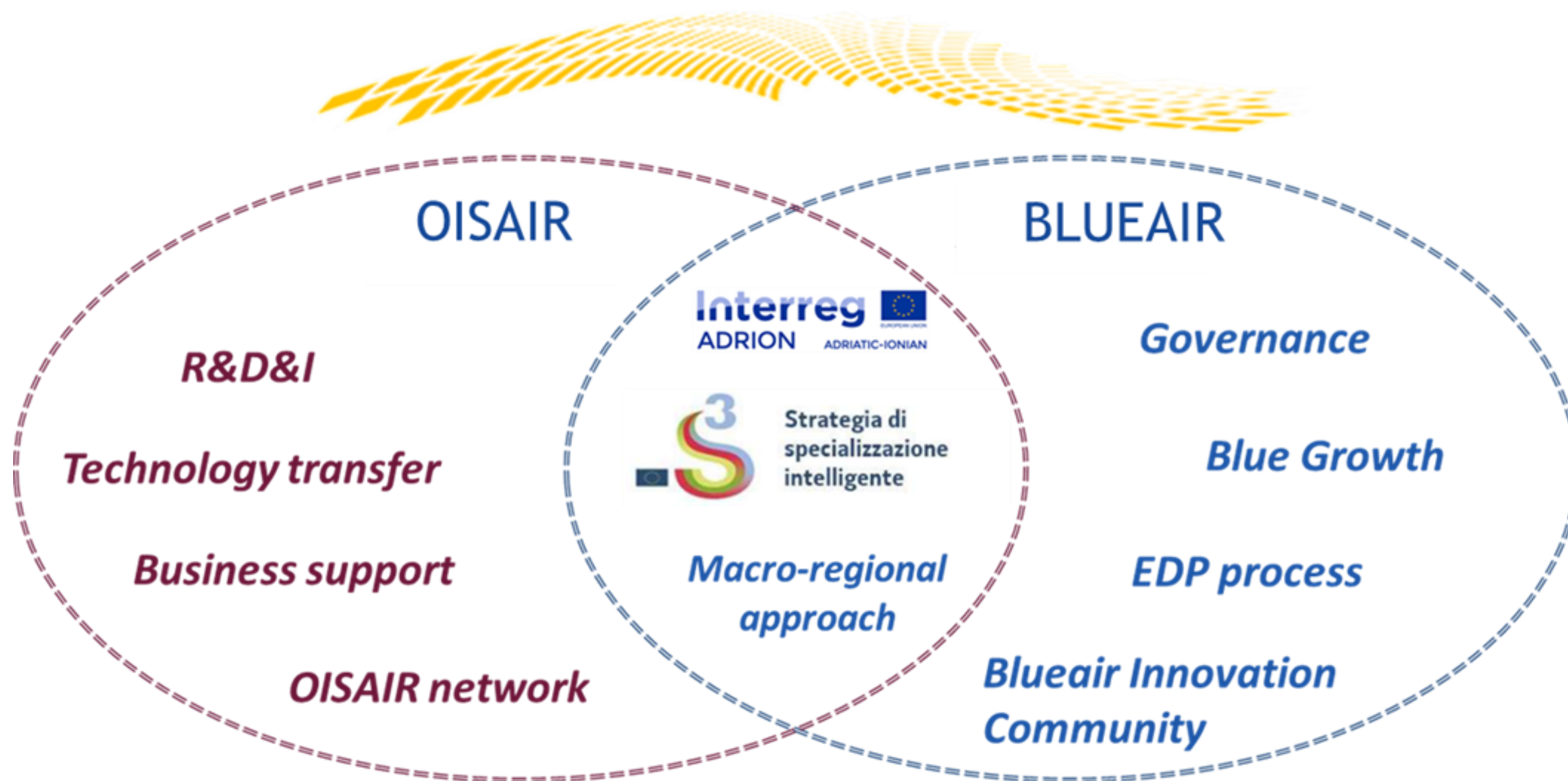


Beneficiary: University of Ljubljana, SLOVENIA
Industrial partner: ComSensus, komunikacije in senzorika, d.o.o, SLOVENIA
Sector: Energy and Environment
Project: NOVEL UNDER-FREQUENCY RELAY SETTING FOR SECURING THE OPERATION OF ELECTRICAL GRIDS



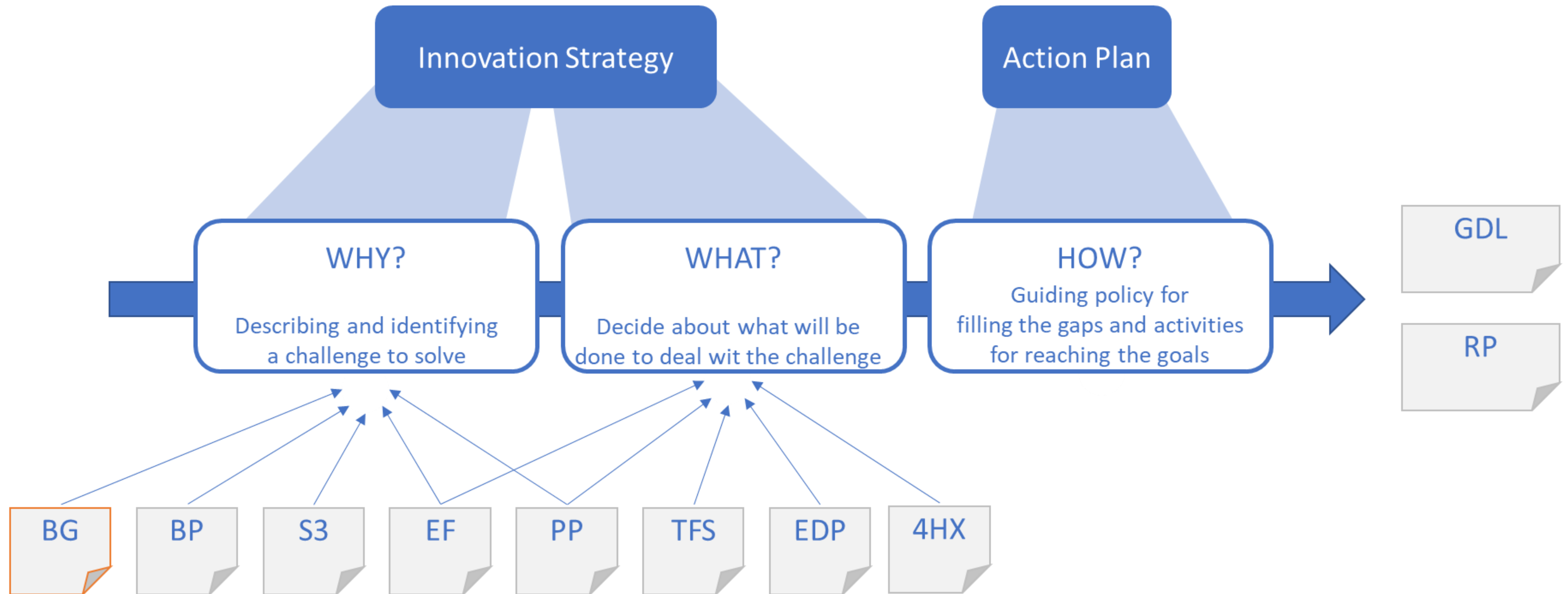
Beneficiary: University of Udine, Polytechnic Department of Engineering and Architecture, ITALY
Industrial partner: Bio-based Energy Technologies P.C. Thessaloniki, GREECE
Sector: Agro Bioeconomy
Project: SUPERCRITICAL FLUID EXTRACTION AND FRACTIONATION OF BIOACTIVE COMPOUNDS FROM WINEMAKING BY-PRODUCTS FOR HEALTHY AND FUNCTIONAL FOOD

From OISAIR to BLUEAIR...



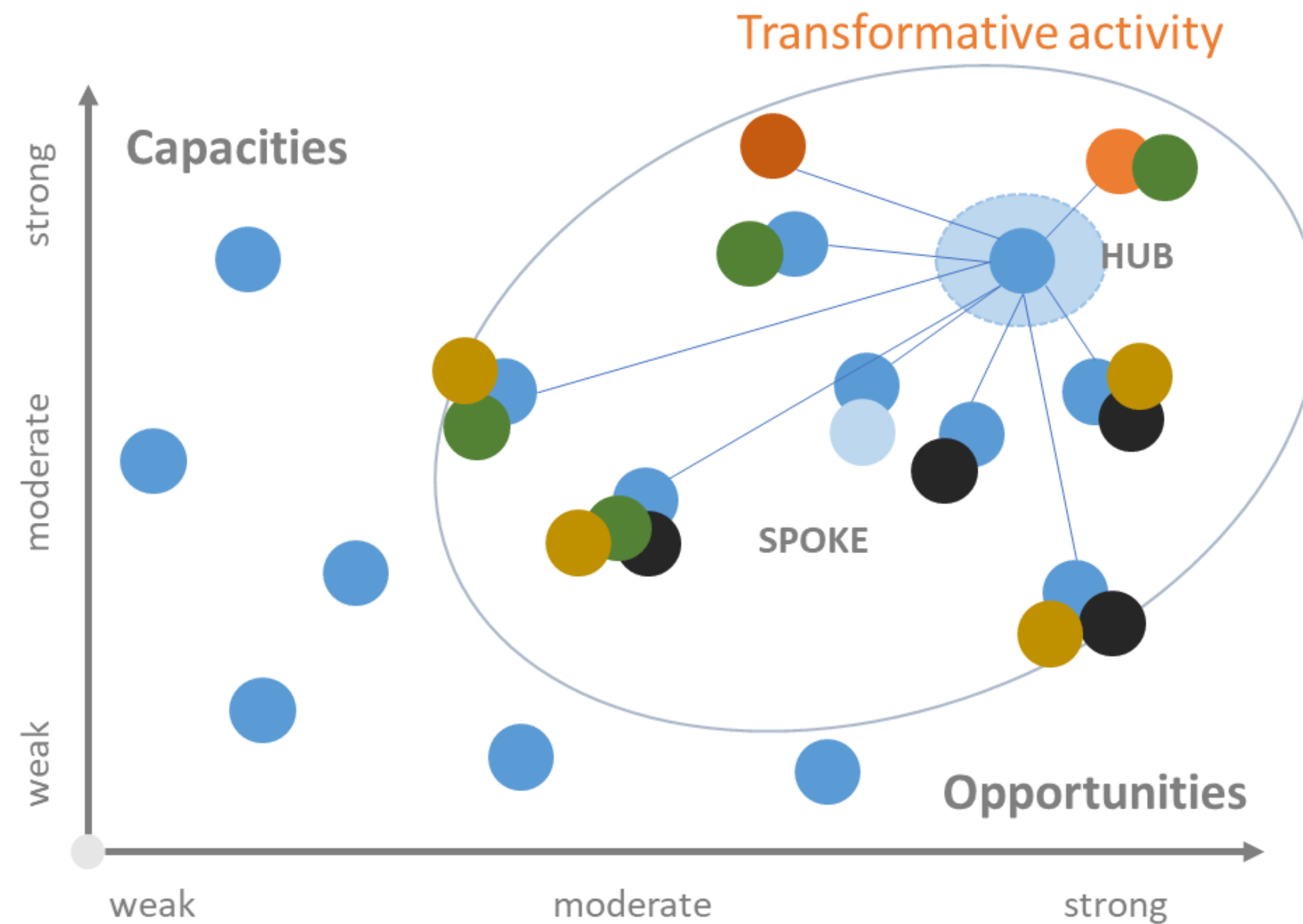
Continuing the macro-regional approach to **foster the innovation ecosystem** by using help from S3 capacities **and mapping value chains** to find common ones that would “glue” stakeholders from the Adriatic Ionian region **on missions for transforming traditional blue sectors and build new ones.**

BLUEAIR: WPT2: General concept for IS



BG-blue growth areas; **BP**-Best practices; **S3**-Smart specialisation analysis, **EF**-Evaluation Framework, **PP**-Position Paper, **TFS**-Technology Foresight; **EDP**-Entrepreneurial discovery processes; **4HX**-roundtables results; **GDL**-Guidelines for blue growth improvement; **RP**-recommendation paper;

Plan for Industrial Transition* – Croatian region of Pannonia



Projects should be functionally diverse:

- Regional or PIT specific projects
- Cross-regional and cross EU projects
- National S3 interface projects
- Infrastructure (B and R&D)
- Helping businesses to compete
- Collaboration initiatives
- Cluster initiatives

Opportunities for a project is about questioning to what extent a project can contribute to a transformation opportunity (the defined transformative goal)

* Draft proposal by WBG and work is funded by ERDF

Thank you!

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