

The European Commission's science and knowledge service

Joint Research Centre



RIS3 as a catalyst for regional innovation systems

Insights from the JRC project "Targeted Support to RIS3 in Lagging regions": focus on SEE economies

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Technology Transfer in South-East Europe"**

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JRC project "Targeted support to RIS3 implementation"

Four closely complementary JRC activities

STRIVE - Support to Transitions in Regional Innovation Eco-systems

Targeted Support
to RIS3 in
Lagging Regions

European
Parliament
DG REGIO

2016 - 2020

Targeted Support
to RIS3 in
Romania

European
Parliament
DG REGIO

2016 - 2019

Higher Education
+VET in Smart
Specialisation

DG EAC
DG EMPL

HESS3: 2018-20

Stairway to
Excellence

European
Parliament
DG REGIO

S2E: 2018-20

Coverage of "Targeted Support to RIS3 in Lagging Regions" project

1. Low-growth regions (GDP/capita below EU average)

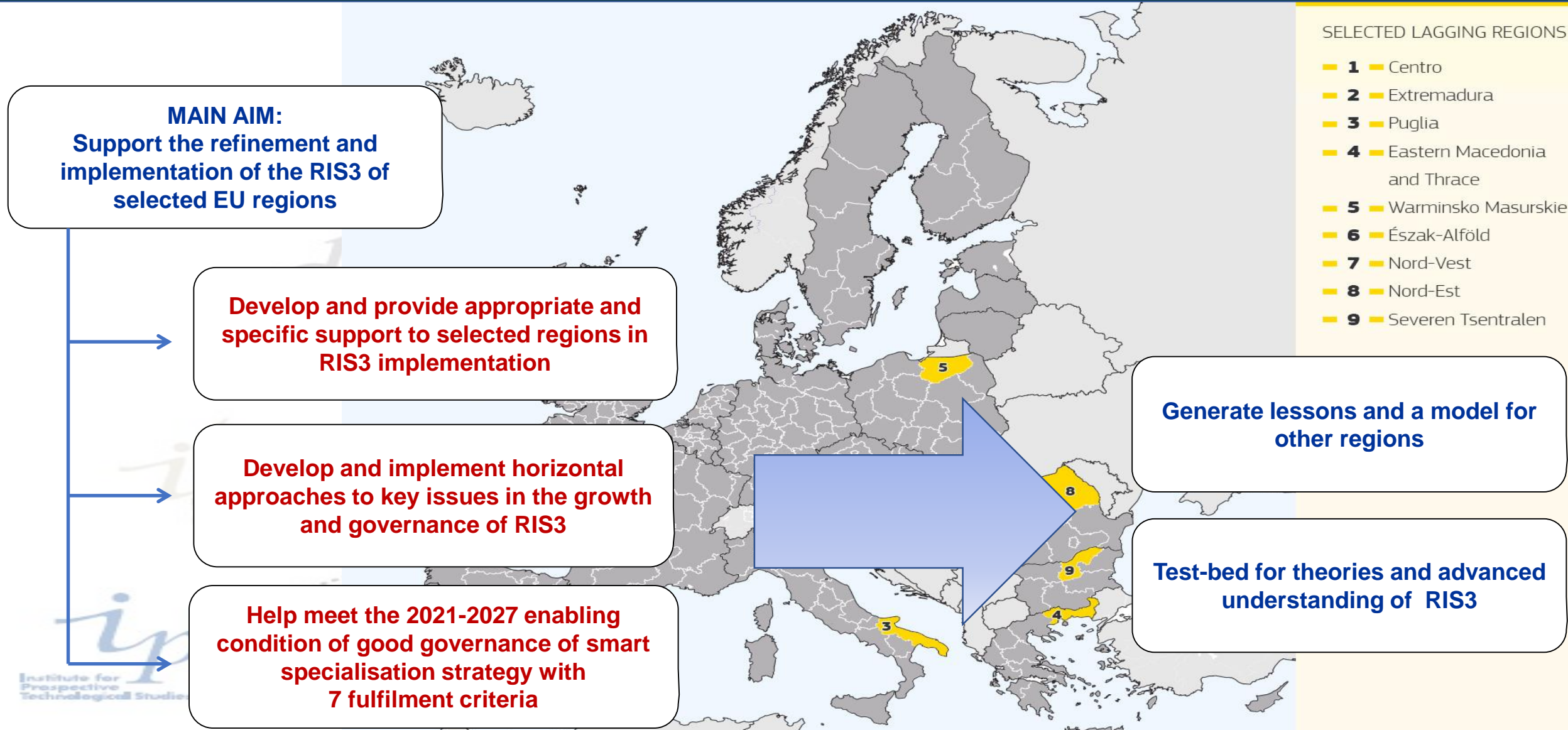
- Greece
- Italy
- Portugal
- Spain

2. Less developed regions (GDP/capita <50% of EU average)

- Bulgaria
- Hungary
- Poland
- Romania
- Croatia (new)

| | Lagging Regions (Stage 1) | Lagging Regions (Stage 2) |
|----|--|---|
| BG | Severen Tsentralen | national level |
| HR | | national level |
| EL | Eastern Macedonia and Thrace, national roll-out | Central Macedonia, Western Greece, national level |
| HU | Észak-Alföld (Hajdú Bihar county) | national level |
| IT | Puglia | Puglia & Campania |
| PL | Warminsko Mazurskie | Kujawsko-Pomorskie, Lubuskie, Podlaskie |
| PT | Centro | Centro, national level (HESS) |
| ES | Extremadura | Extremadura, national/regional linkages |
| RO | Nord-Est, Nord-Vest | Rollout to all 8 regions, national level |

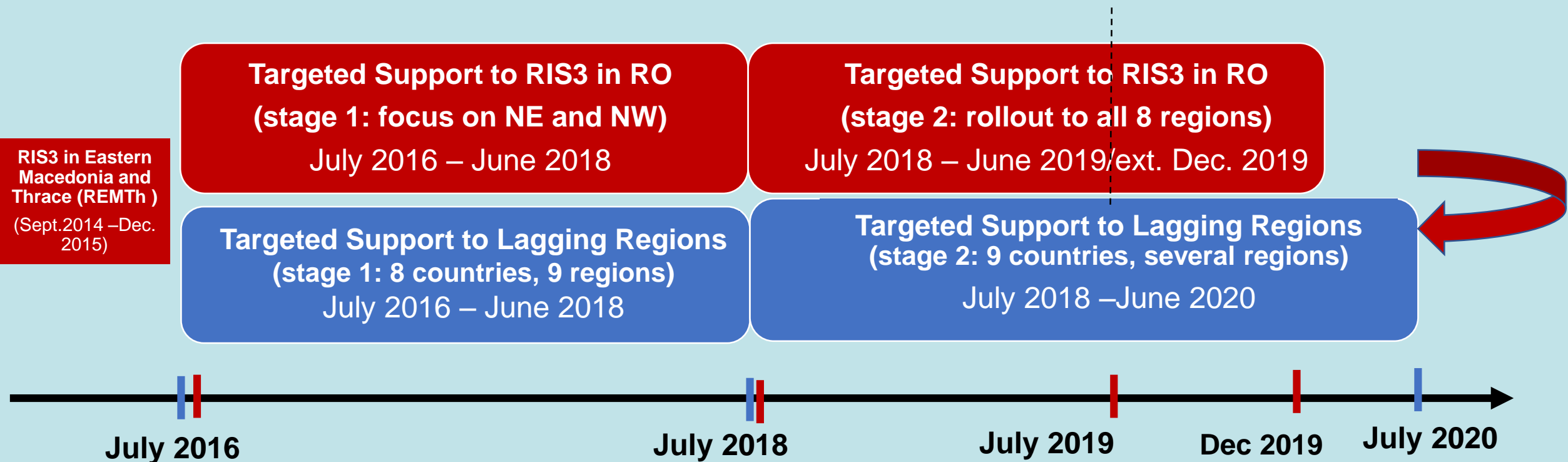
Aims of 'Targeted Support to RIS3 in Lagging Regions'



SEE economies: Romania



Project timelines



Dual approach to RIS3 in Romania: national & regional

Different paths of RIS3 implementation → JRC support to improving coordination between the levels



At national level: *National R&I Strategy 2014-2020*, with four RIS3 priorities:

1. Bio-economy
2. ICT, space and security
3. Energy, environment, climate change;
4. Eco-nano-technologies and advanced materials

Intermediary Body: Ministry of Research and Innovation

Funding: Competitiveness OP Priority Axis 1, National RDI Plan



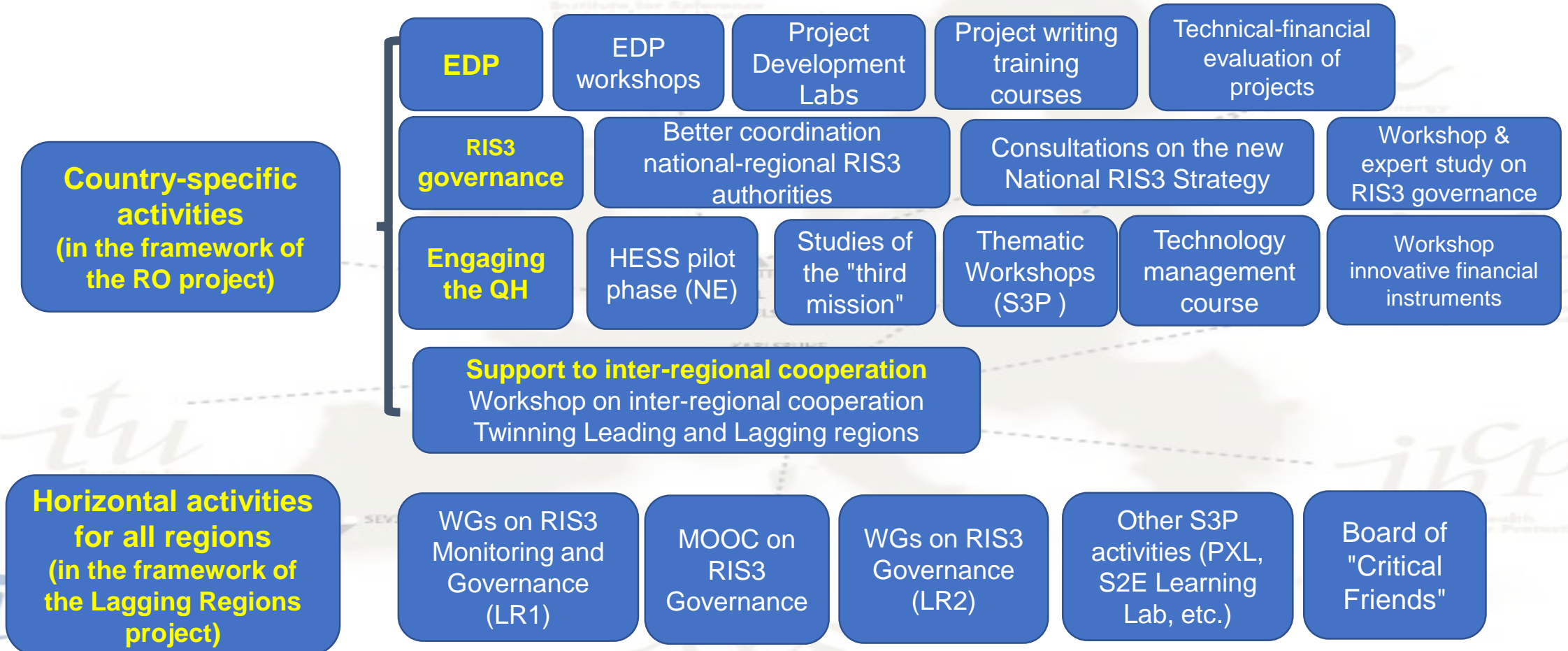
At regional level: 7 regions out of 8 have a RIS3 Strategy

- [RIS3 strategy of Nord Est region](#)
- [RIS3 strategy of Centru region](#)
- [RIS3 Strategy of Sud Muntenia region](#)
- [RIS3 Strategy of Sud Vest Oltenia region](#)
- [RIS3 Strategy of Sud Est region](#)
- [RIS3 Strategy of Vest region](#)
- [RIS3 Strategy of North West region](#)
- RIS3 strategy of Bucharest-Ilfov (capital) region in preparation with JRC support

Managing Authority: Ministry of Regional Development and Public Administration


Funding: Regional OP Priority Axis 1

Targeted Support to RIS3 in Romania: Project toolbox

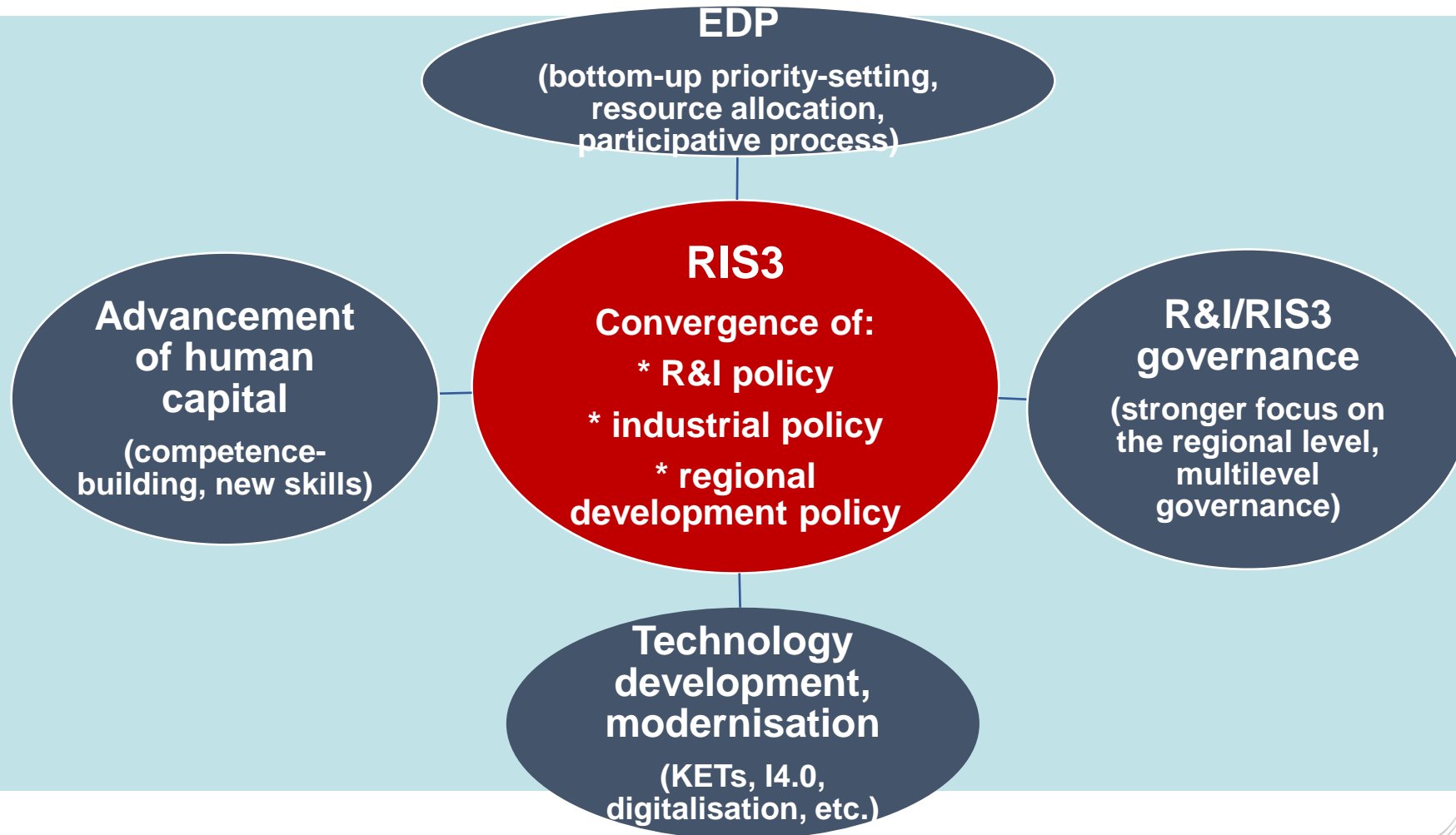


Main challenges for RIS3 implementation in Romania



1. The EDP process: project pipelines and funding
 2. RIS3 governance: institutional capacity of national and regional authorities involved in RIS3 management
 3. RIS3 governance: policy coordination between several fields converging in RIS3:
 - Research and innovation policy
 - Industrial policy
 - Regional development policy
 4. Engaging the Quadruple Helix: U-I links, develop the Entrepreneurial University, strengthen technology transfer and research commercialisation
- 
- **Development of regional innovation systems → articulation with the national innovation system → transition to a R&I ecosystem**
 - **RIS3 implementation as a mechanism to reform the R&I system**

Complex impact of RIS3



SEE economies: Bulgaria



RIS3 implementation in Bulgaria: ongoing activities

- Analysis on RIS3 governance
- Thematic meetings for RIS3 revision
- Bilateral meetings
- Study on intermediary organizations (governance, monitoring, evaluation)
- Horizontal activities and peer learning
- EDP

Main challenges to RIS3 implementation in Bulgaria



1. Stronger involvement of the national authorities, consolidated work plan to ensure ownership
2. Foster EDP at local level
3. Need to rethink the centre-periphery connection (national RIS3 vs. local strategies)
4. Need to establish a network of RIS3 intermediaries/ support actors (development/innovation agencies, business associations)
5. Strengthen U-I links
6. Capacity-building and awareness of RIS3 as a tool for growth and competitiveness

SEE economies: Croatia



RIS3 implementation in Croatia: ongoing activities

- Stocktaking of RIS3 implementation and criteria of governance, in collaboration with the Institute of Economics Zagreb
- Foster commitment of RIS3 stakeholders at national and, where appropriate, sub-national levels (dialogue with stakeholders)
- Provide opportunities for interregional learning (possibility to organise events to support EDP, governance, monitoring/evaluation)

Thank you!

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