

University – Industry – Government collaboration in the context of Smart Specialisation

TRAINING WORKSHOP SERIES

2-3 December 2020



WORKSHOP CALENDAR

Day 1
2nd December

KICK-OFF SESSION
(9:00 – 11:30)

SESSION 1.
University- Industry-
Government
Cooperation process
(11:30 – 13:30)

Day 2
3rd December

SESSION 2.
University- Industry-
Government Supporting
mechanisms
(9:00- 12:30)

SESSION 3.
Looking Ahead: The
future roles of University
–Industry- Government
(12:30 – 13:30)



WORKSHOP APPROACH



Presentations of:

- international good practices
- European status quo
- advice for each stakeholder
- *food for thought*

We will hear from the audience through:

- questions
- polls
- debates
- group work

Get ready for some serious play!





Higher Education for Smart Specialisation

HESS Training Webinar

Higher Education- Business- Government collaborations in
Smart Specialisation

Eskarne Arregui-Pabollet
JRC B3 Unit Scientific Officer

Smart Specialisation

Programming period 2014-2020 – *Ex-ante conditionality*

Research and Innovation as engine of territorial development

Identification of priorities for R&I investment – attention to market

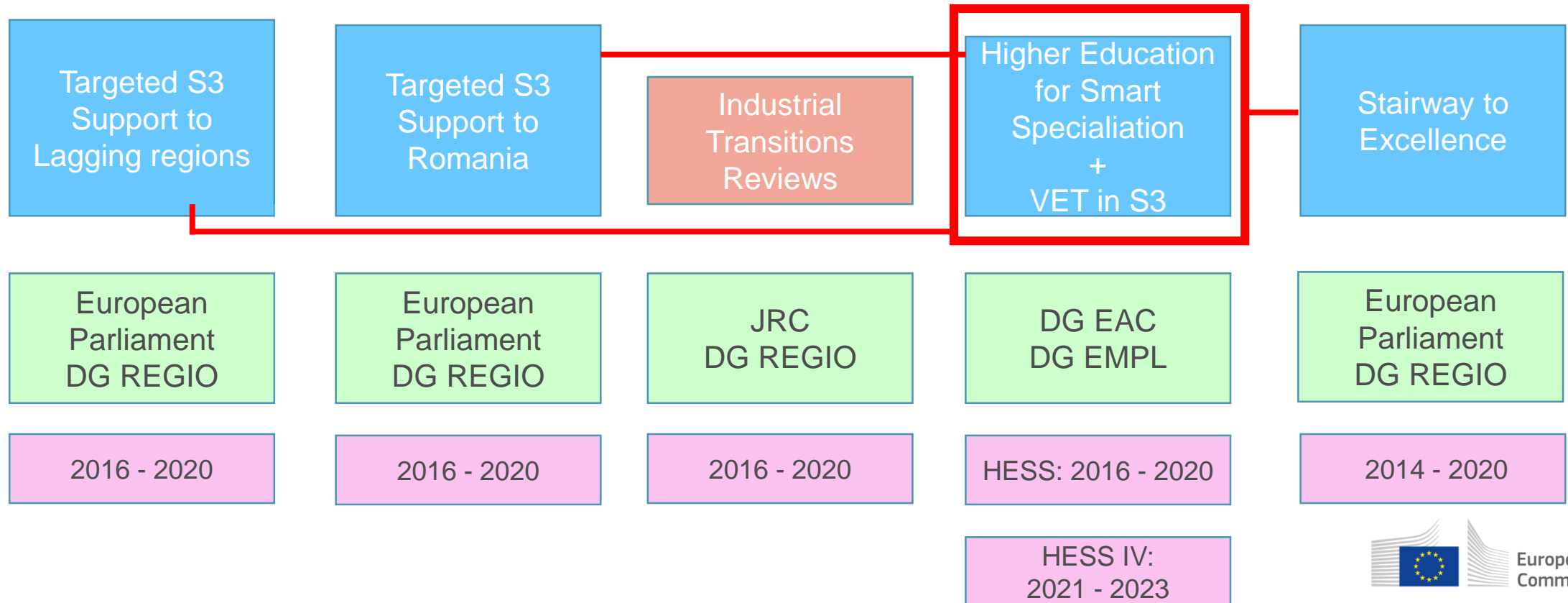
Place-based: build on territory's assets

Participation: Triple Helix (o Quadruple Helix)

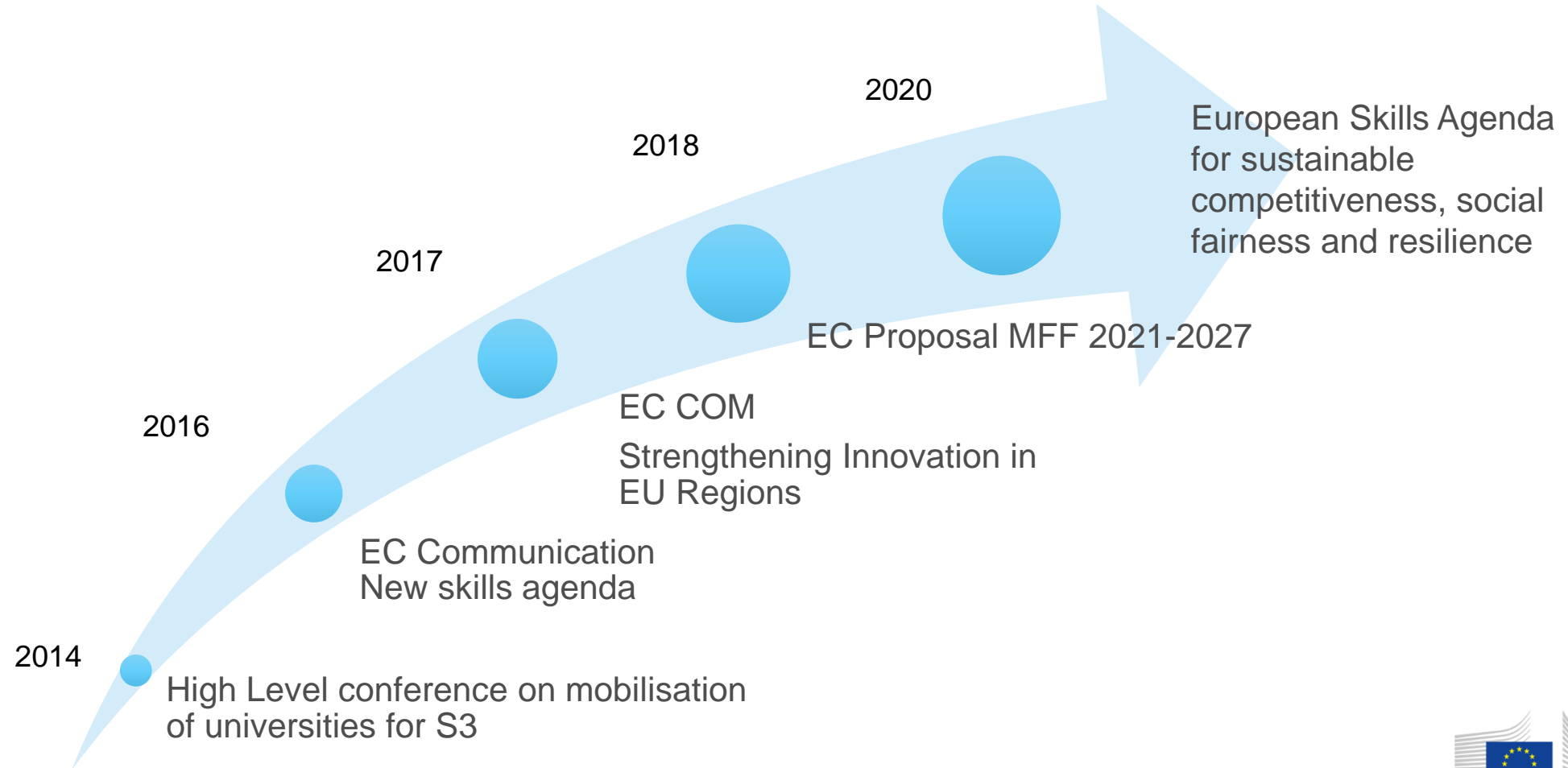


JRC "Targeted support to S3 implementation"

STRIVE - Support to Transitions in Regional Innovation Ecosystems



Policy context



HEIs and Smart Specialisation

1. Tackling future skills mismatches and promoting excellence in skills development;
2. Building inclusive and connected higher education systems;
- 3. Ensuring higher education institutions contribute to innovation;**
4. Supporting effective and efficient

...support evidence for policy-making

The Commission will :

17. Optimise synergies between EU evidence tools by creating a Knowledge Hub on higher education.

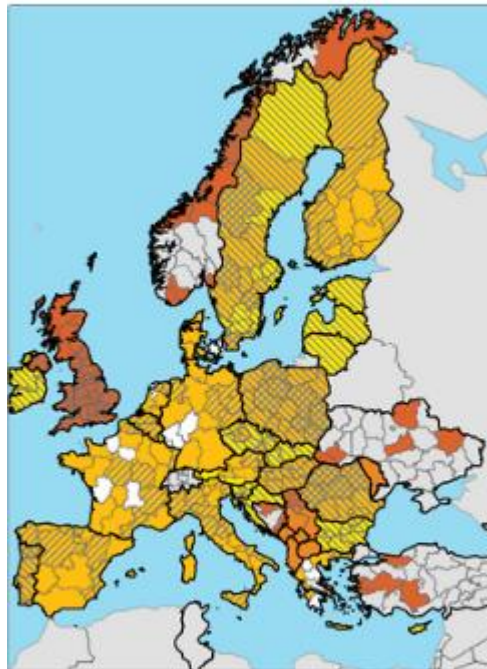
The Commission will :

12. Further roll out Higher Education for Smart Specialisation, to provide advice to public authorities to involve HEIs and, where possible, EIT Knowledge and Innovation Communities (KICs), closely in the design and implementation of Smart Specialisation Strategies.

HEIs and Regions: Changes with S3

Element of S3	Impact on HE
Prioritisation around limited number of economic activities	Evolution of curricula and research portfolios to emerging priorities Redefinition of 'third mission'
Entrepreneurial Process of Discovery (EDP)	Greater focus on applied research Horizontal skills among graduates
Innovation for all regions – Place based approach	Greater role in regional governance Different models of HE engagement
Broader understanding of innovation	Respond to regional challenges
Focus on monitoring	Role for social sciences


Smart Specialisation Platform



- EU Countries registered in S3P: 19
- EU Regions registered in S3P: 178
- Non-EU Countries registered in S3P: 7
- Non-EU Regions registered in S3P: 31
- S3P Peer-reviewed Countries: 16
- S3P Peer-reviewed Regions: 75




Interregional Cooperation



Guidance




Targeted Support



S3 Beyond EU



Communities & Actors

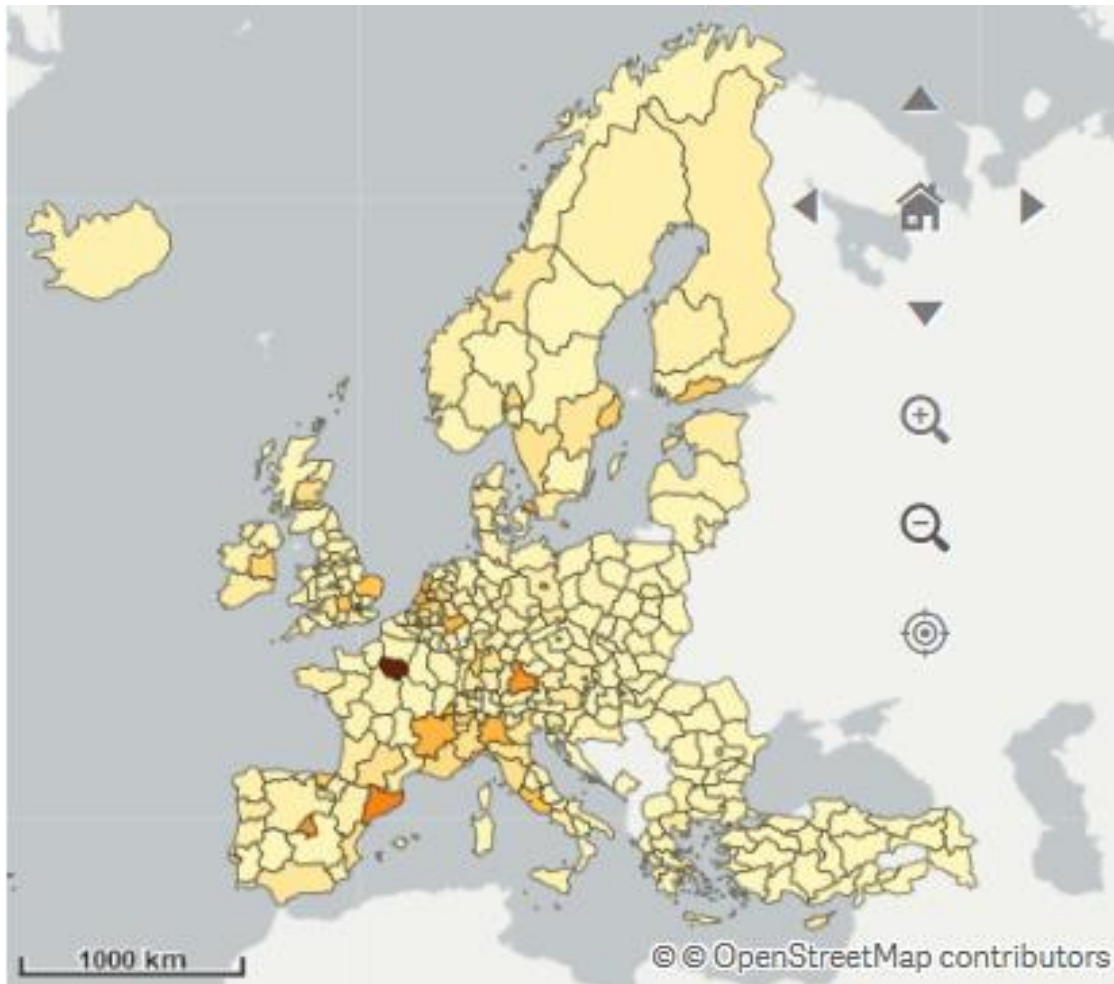


Governance

 Targeted Support

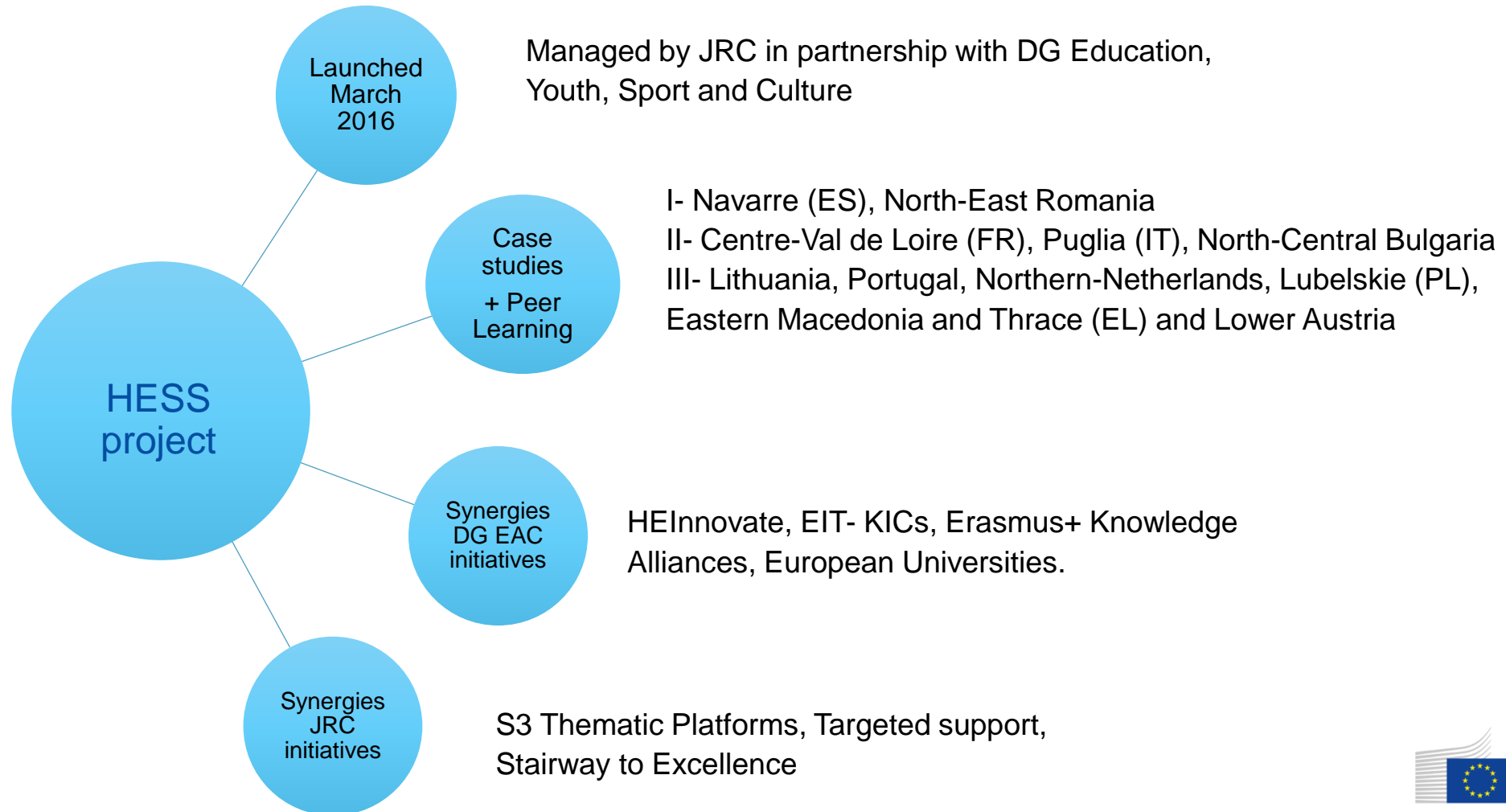
- Blue Growth
- Digital Growth
- Higher Education Institutions
- RIS3 in lagging regions
- Stairway to Excellence
- Past projects

Guides and Tools: R&I viewer



- Horizon 2020 funding awarded
- Allocated R&I-related investments under the European structural and investment funds (ESIF).
- Regional benchmarking
 1. Territorial information (EU contribution)
 2. Thematic & Specialisation information
 3. Beneficiaries and projects information

HESS project: Background



<http://s3platform.jrc.ec.europa.eu/hess>

HESS project: Objectives

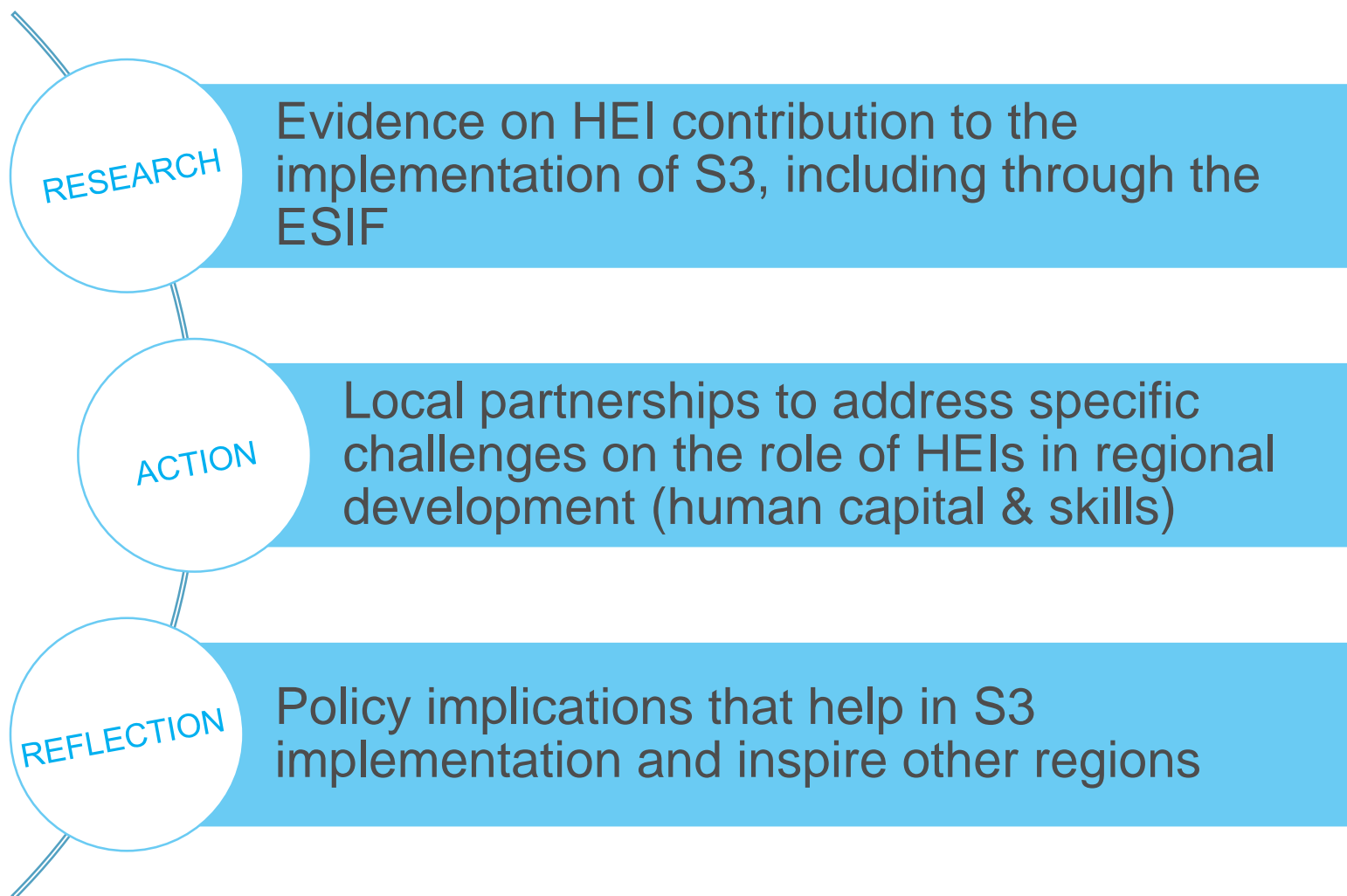
HESS Core Objectives

- Help regions integrate HE into S3 policy mixes
- Engagement of HEIs in R&I governance
- Synergies between ESIF and other public funds to incentivise HE in S3

HESS Secondary Objectives

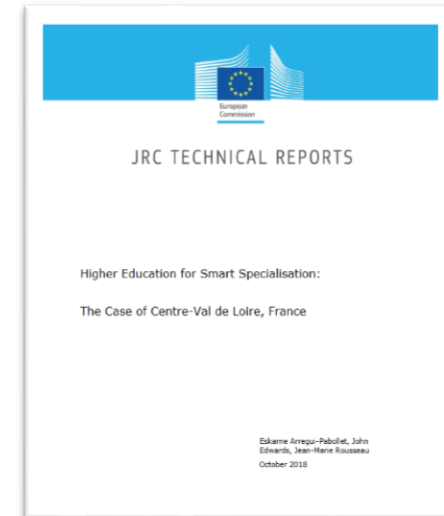
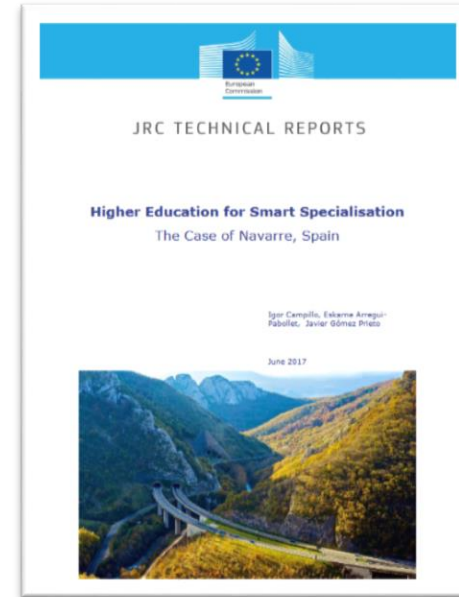
- Cooperation between HEIs and other quadruple helix actors
- Support HEIs towards more entrepreneurial models of engagement in S3

HESS project: Case studies

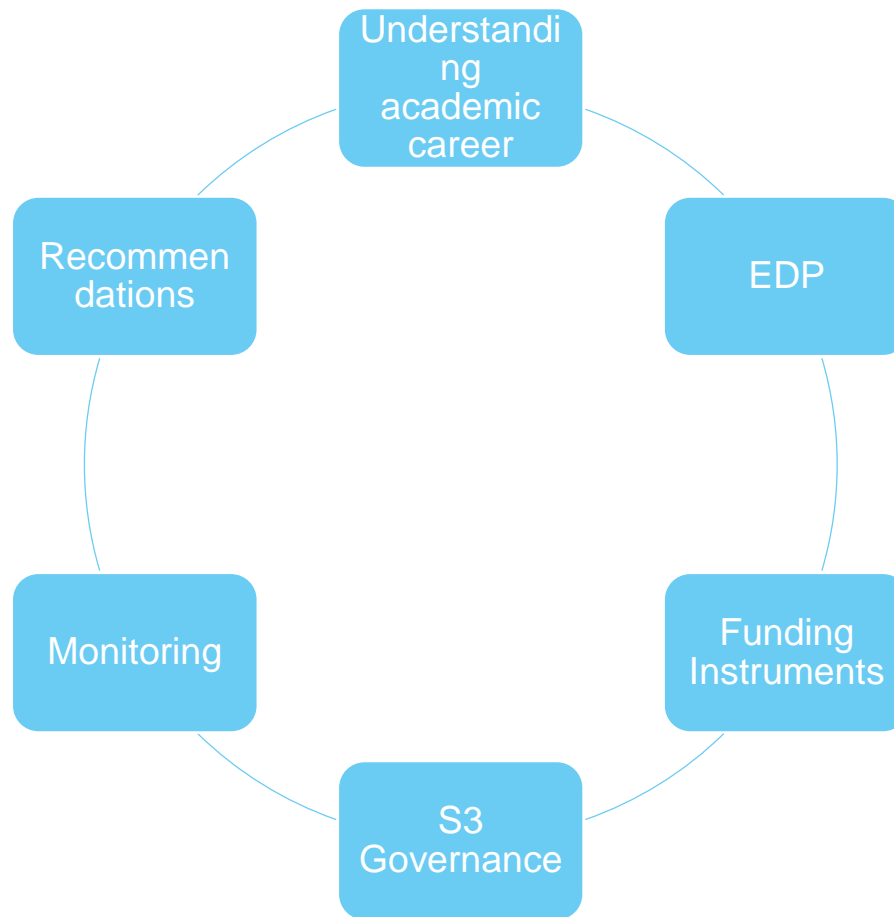


HESS Case Studies

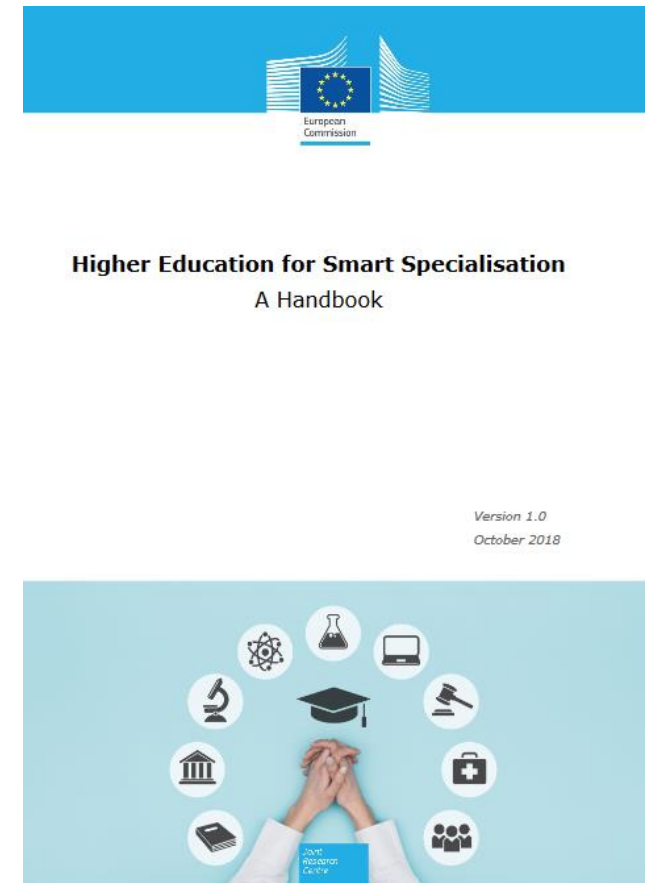
- 9 EU regions (Navarre, North-East Romania, North-Central Bulgaria, Centre Val de Loire, Puglia, Lubelskie, Northern Netherlands, Lower Austria, Eastern Macedonia and Thrace) and 2 countries (Lithuania, Portugal)
- Action-research driven
- Advanced and less advanced
- Evidence on place-based character of higher education contributions
- Support to future 2021-2027 ERDF Operational Programmes and S3



HESS Handbook 1.0



Edwards, J and Marinelli, E (eds) (2018) Higher Education for Smart Specialisation: A Handbook (Version 1.0)
Seville: European Commission



HESS main outcomes



Questions / Comments / Remarks?

Contact



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European Commission

JRC Directorate B - Growth and Innovation

Unit B3. Territorial Development

Thank you!



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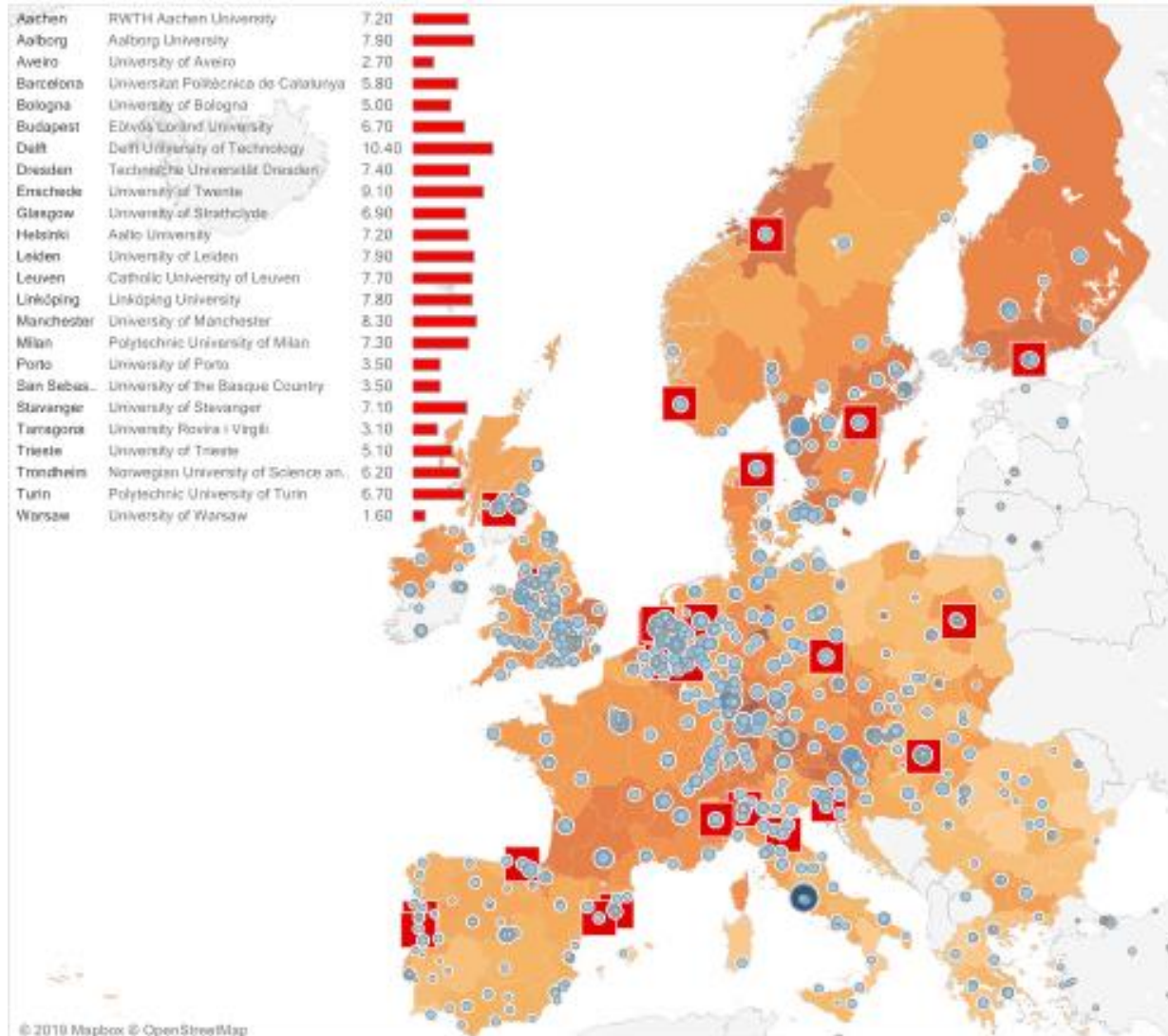
Good practices

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JRC B3 Unit Scientific Officer

Business R&D investments and UB co-publications



- Internationalisation vs Regional engagement?
- External engagement of HEIs staff rarely considered in performance appraisals.
- Strong human capital and innovation linkages
- ‘Boundary spanners’

Edwards, J., Arregui-Pabollet, E., Biagi, F., Jonkers, K., Factors influencing the potential of European Higher Education Institutions to contribute to innovation and regional development, EUR 30163 EN,

UBG collaboration spaces



- Research institutes in 5 areas boosting cross-disciplinary collaborations
- Interdisciplinary environment that enhances scientific excellence and closeness to companies and other institutions
- Navarre S3 priorities oriented (Smart Cities, Advanced materials, Food chain, Societal challenges, Advanced Biology)
- Own Business Development team
- Space for spin-offs and projects

Students as igniters of UBG collaborations

- Northern Netherlands Energy Academy Europe
- International centre of excellence in energy education, research and innovation, located in Groningen.
- Joint initiative by University of Groningen and Hanze University of Applied Sciences.
- Integrated and interdisciplinary approach to energy (S3 priority)
- Combines different levels of education: VET, HE and post-graduate
- “Innovation workplaces” where students from both RUG and UASs work together, with regional businesses, undertaken projects.

Career incentives

- Vienna University of Economics and Business new performance framework
- Focused on the quality, impact and consistency of their achievements
- Criteria beyond publication outputs, including i.e. teaching, knowledge transfer activities, university management or decision bodies, cooperation with regional authorities or external partners, knowledge transfer.
- Diversitas award from the Austrian Federal Ministry of Science, Research and Economy in December 2016.

UIG Boundary spanners

- North East Romania RDA boundary spanner role
- Incipient regional innovation system. Interaction between universities, public authorities and industry built from scratch.
- North East Romania RDA developed an S3 voluntarily through EDP
- Extremely active role of HEIs in EDP
- Project ideas for S3 development
- Strong engagement in S3 Governance (HEIs Management and community)

Questions: polls

1. Main HE challenges for UB collaborations?

- HE internal coordination / organisation
- Lack spaces for interactions
- Cultural differences
- Inadequate or inexistence of incentives
- Lack of skills

Questions: polls

2. Who do you think should have a primary Boundary Spanning role for UB Collaborations?

- HE Knowledge transfer offices
- Research Institutes or similar
- HE scientific community
- International researchers
- HE managers
- Students
- New roles

Questions: polls

3. Key factors for boundary spanning for UB collaborations?

- Building sustainable relationships
- Negotiation and influencing
- Networking
- Managing complexity
- Managing roles and motivations

Questions: polls

- **First Word it comes to your mind when you think about UB collaboration?**

Contact



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Thank you!



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