

The European Commission's science and knowledge service

Joint Research Centre



Smart Specialisation in the Western Balkans – potential for knowledge-based economic cooperation

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Bucarest, 18 June 2019



The concept of smart specialisation

Smart Specialisation, an innovative approach to innovation

Smart Specialisation is an integrated place-based economic transformation agenda via research and innovation



▸ **SMART**: Identify the region's own **strengths and comparative assets**



▸ **SPECIALISED**: **Prioritise** research and innovation investment in competitive areas

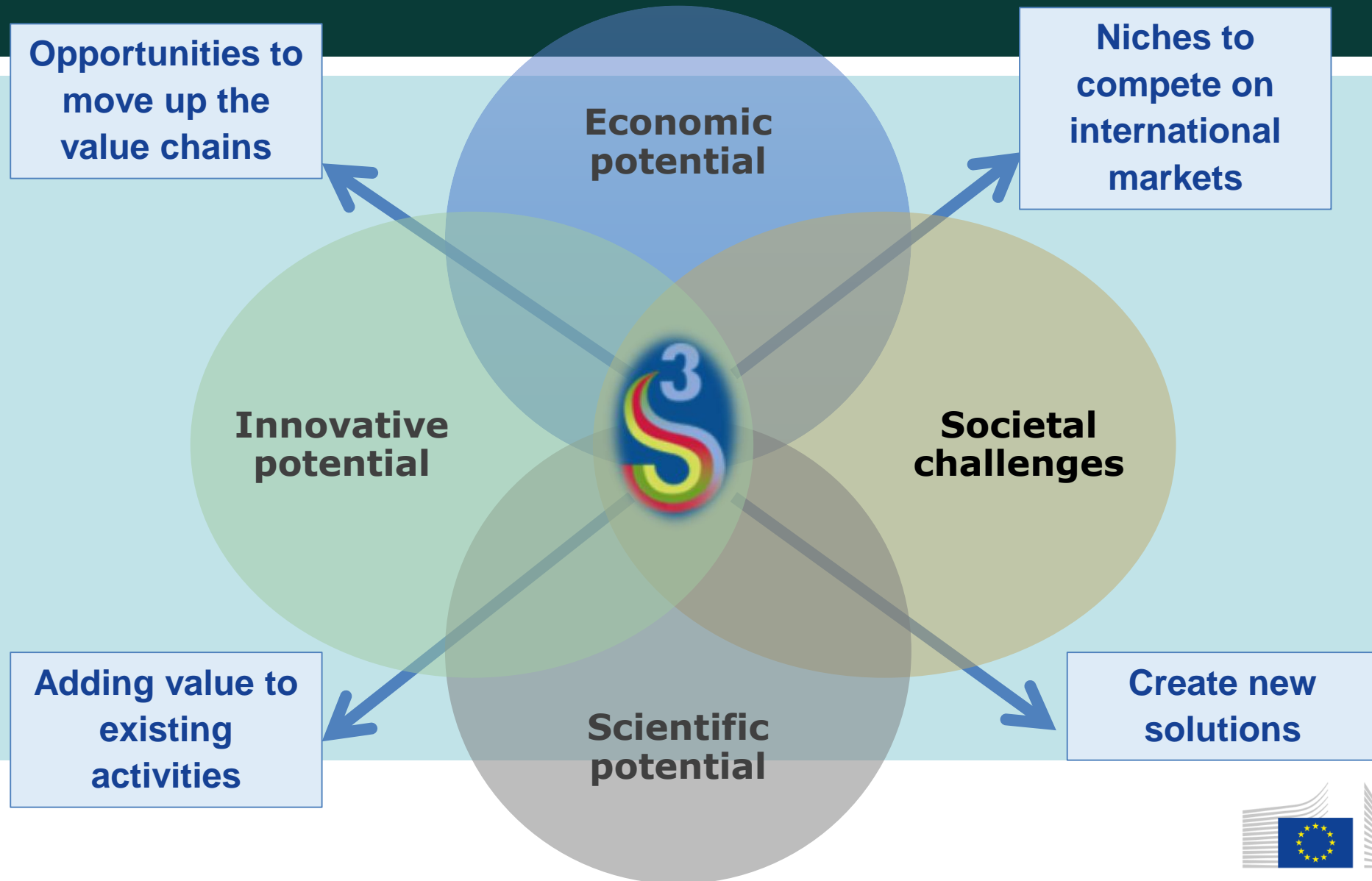


▸ **STRATEGIC**: Define a **shared vision** for territorial innovation



Smart Specialisation Platform

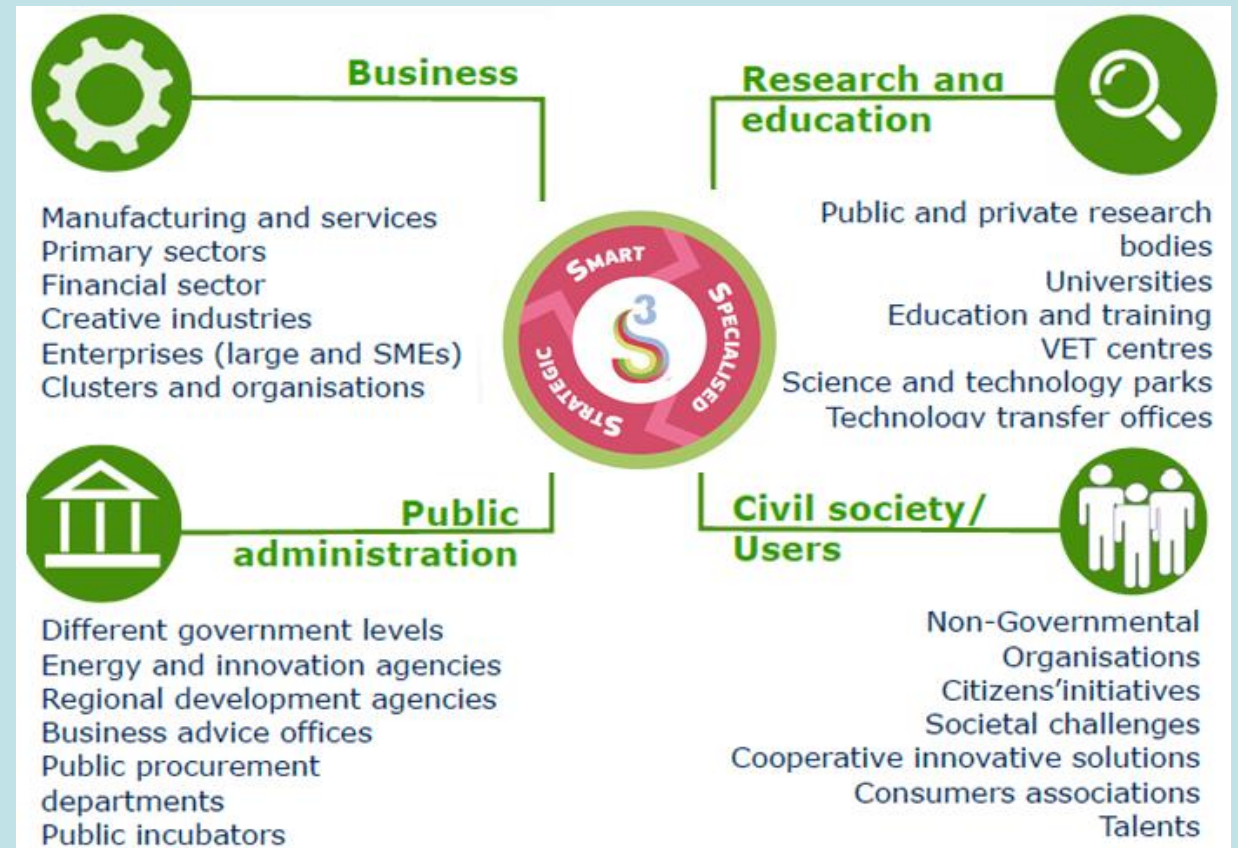
The concept of smart specialisation



The key features of smart specialisation

Smart Specialisation: approach and main features

- Promoted by the Commission
- National/regional research and innovation strategies for smart specialisation (RIS3) are integrated, place-based **economic transformation agendas**



The process of smart specialisation in the EU

Step 1 – Analysis of regional context/potential

Step 2 – Governance

Step 3 – Vision for the future

Step 4 – Selection of priorities

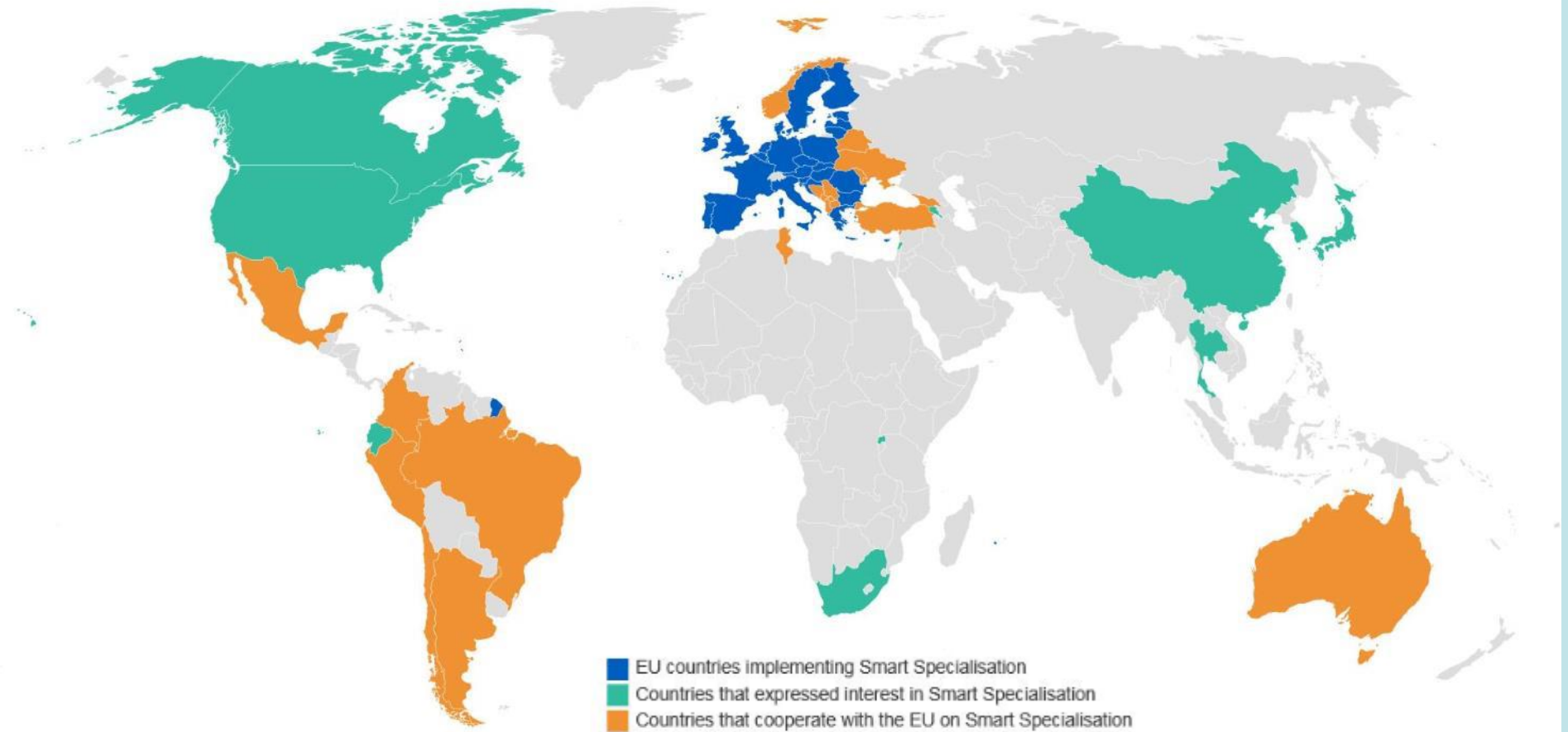
Step 5 – Policy mix

Step 6 – Monitoring and evaluation



Smart specialisation in the world

- Based on expression of interest
- JRC support where possible
- Ownership and involvement needed

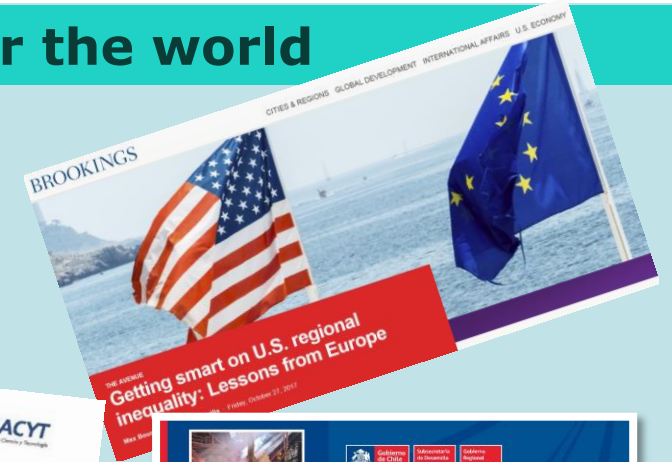


Smart Specialisation generates interest inside... but also outside the EU: Smart Specialisation worldwide

Smart Specialisation is inspiring countries all over the world

Paper for the European Alliance for Innovation, EAI's international conference
on *Technology, R&D, Education & Economy for Africa*
TREE for Africa 2018, March 2018

Smart specialisation in Sub-Saharan Africa: new
perspectives for innovation-led territorial development



JRC Enlargement and Integration Action on Smart Specialisation

Launched in **2017**

Pilot Phase: Serbia, Ukraine, Moldova

Now: Eastern Partnership and Southern Neighbourhood

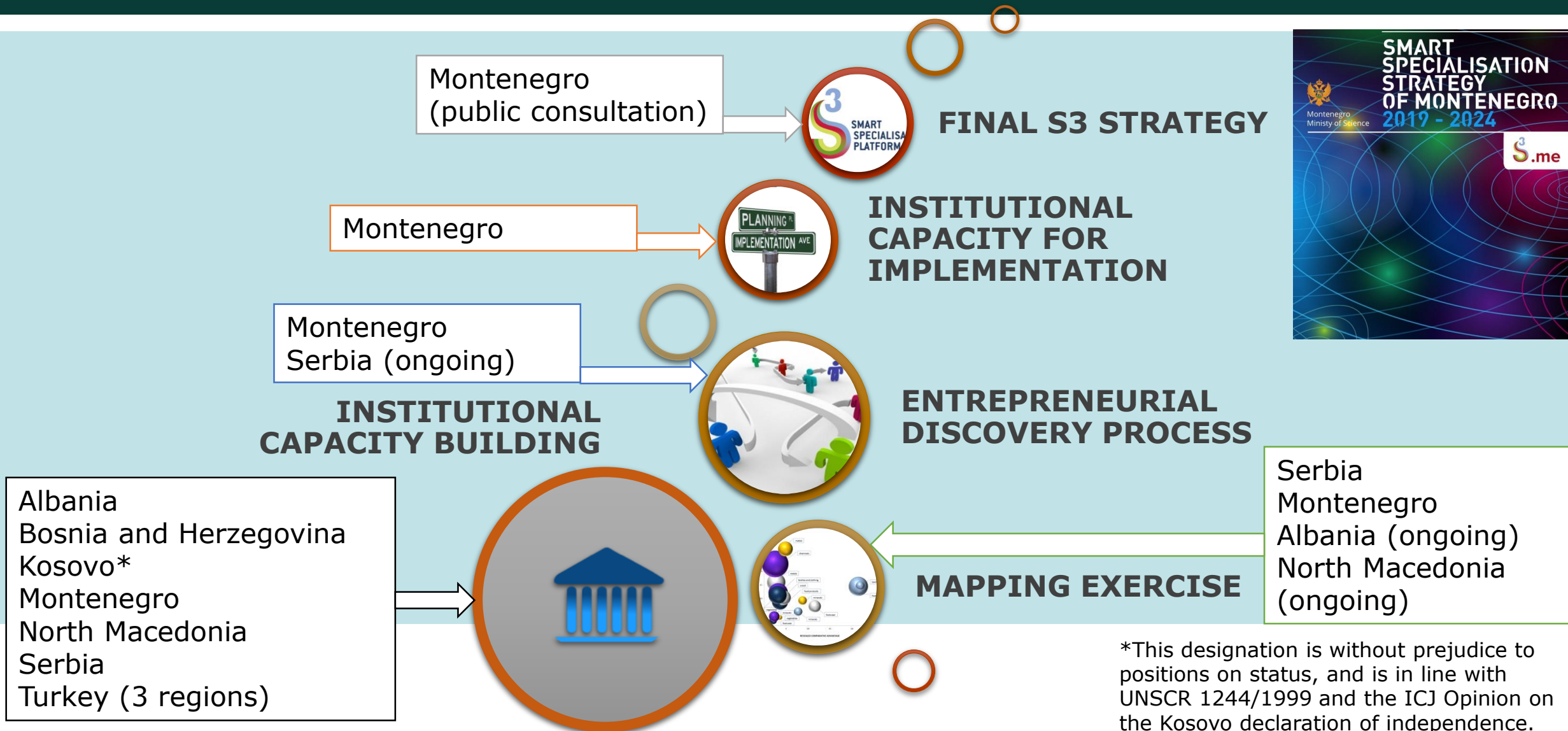
and **2 follow-up projects:**

- **S3P NEAR:** Western Balkans and Turkey
- **S3P EAST:** Ukraine, Moldova and Georgia

JRC Enlargement and Integration Action on Smart Specialisation



Smart Specialisation Framework for Enlargement and Neighbourhood Countries



*This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence.

Support to S3 in the Western Balkans



Montenegro
Ministry of Science

European Commission

Cooperation for Smart Specialisation

1st Western Balkans Workshop

Tuesday 5th February 2019
CentreVille Hotel, Podgorica, Montenegro

More info.:
<https://europa.eu/!vh73GF> (European Commission)
https://rebrand.ly/MNA_S3 (Montenegro Ministry of Science)
Contact: S3.WesternBalkans@mna.gov.me

Smart Specialisation and Technology Transfer as Innovation Drivers for Regional Growth

3-4 May 2018
National Palace of Culture
Sofia (Bulgaria)



Presidency events

*Supporting Smart
Specialisation Strategies
and Technology Transfer
in South-East Europe*

Tuesday 18 June 2019
Politehnica University of Bucharest
(Romania)



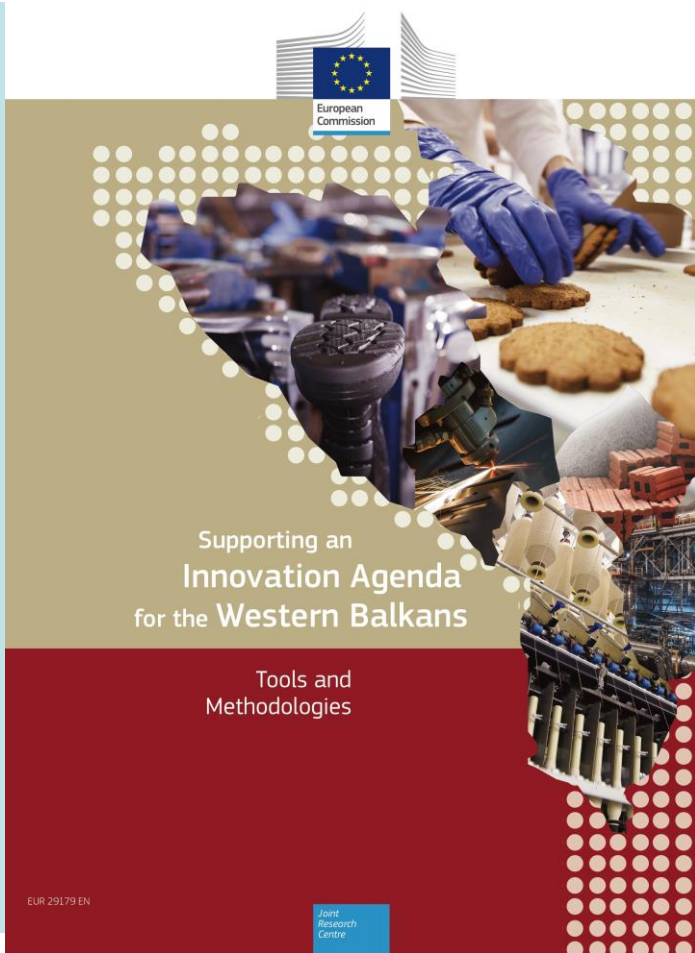
MINISTERUL CERCETĂRII ȘI INOVĂRII



Peer exchange



Support to S3 in the Western Balkans



Analytical reports

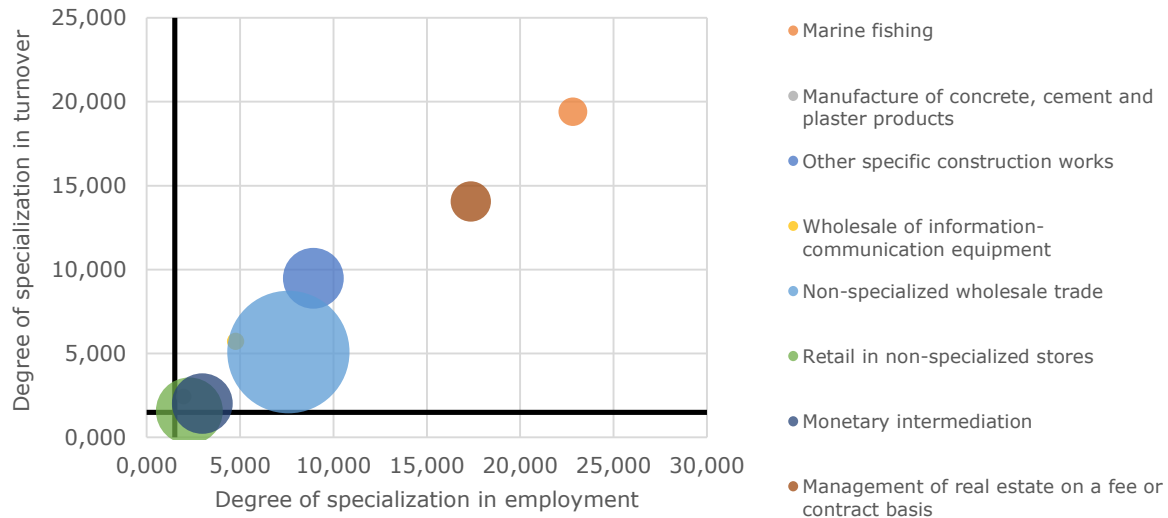


Dedicated guidebook

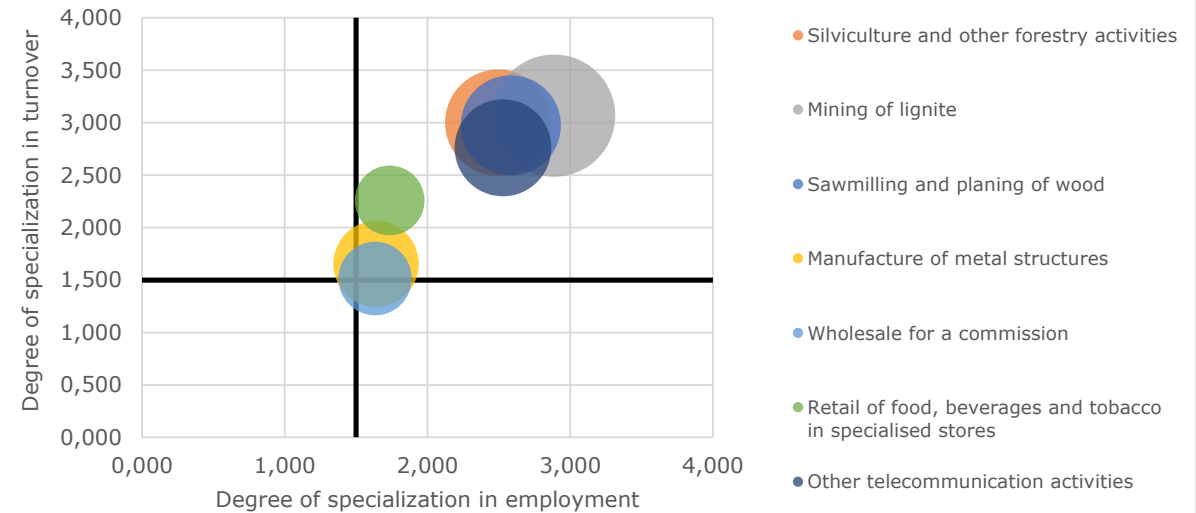


Evidence for policy-making – economic specialisations of Western Balkan economies

Albania - Industries with current strengths



Bosnia and Herzegovina - Industries with current strengths



Size of the bubble measures the relative size of the industry in the national economy

Evidence for policy-making – economic specialisations of Western Balkan economies

Common economic specialisations

Industry name	AL	BA	KV	MK	ME	RS
Wholesale for a commission	■		■			
Non-specialized wholesale trade	■				■	
Retail in other household articles in specialised stores				■	■	
Retail in other goods in specialised stores				■	■	
Restaurants and mobile food service activities				■	■	
Wired telecommunication activities			■			■
Other telecommunication activities		■			■	
Other financial service activities, except insurance and pension funding			■		■	

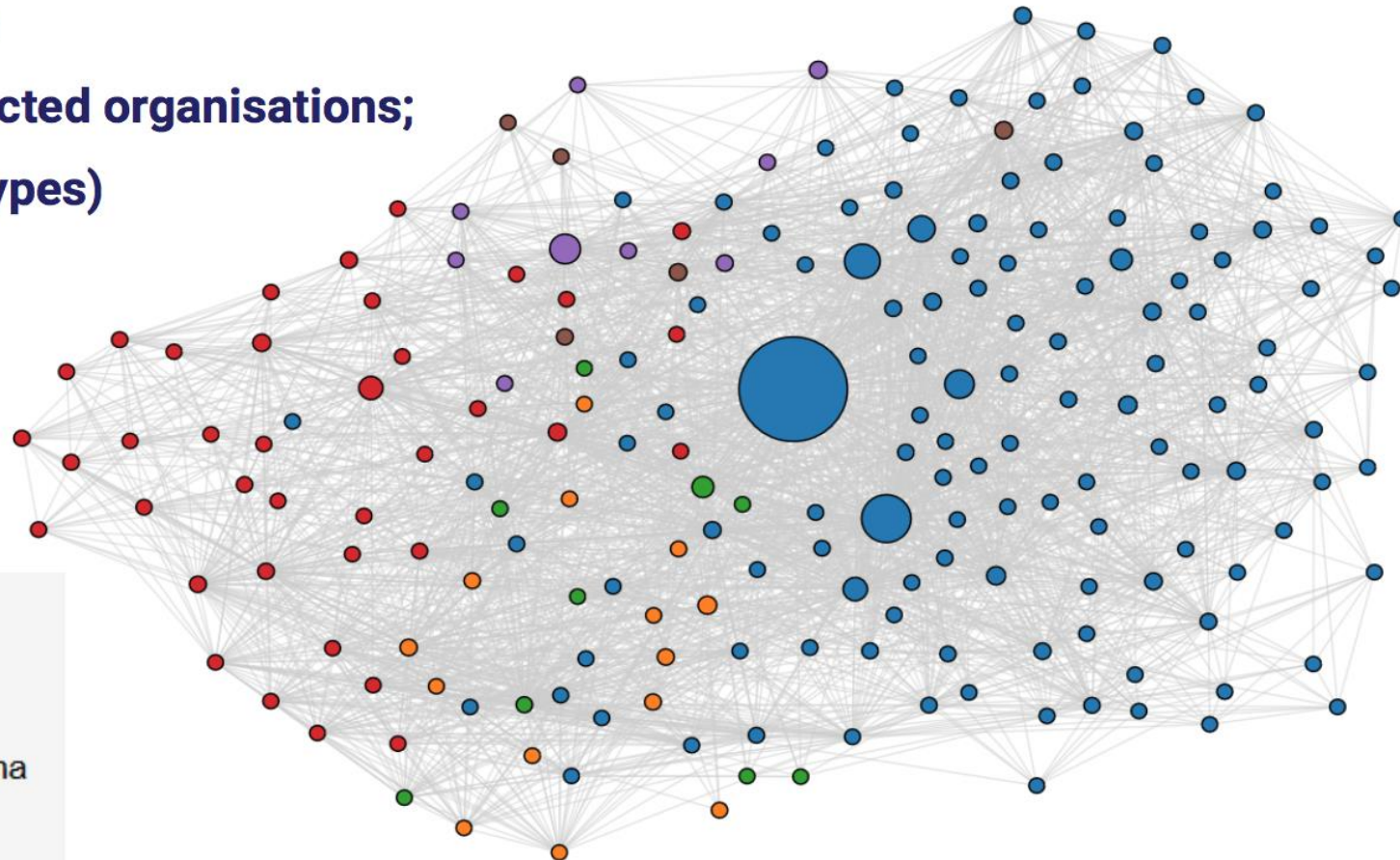
Industries with current strengths

Evidence for policy-making

– scientific cooperation network in the Western Balkans

WB collaboration

(200 most connected organisations;
all domains; all types)

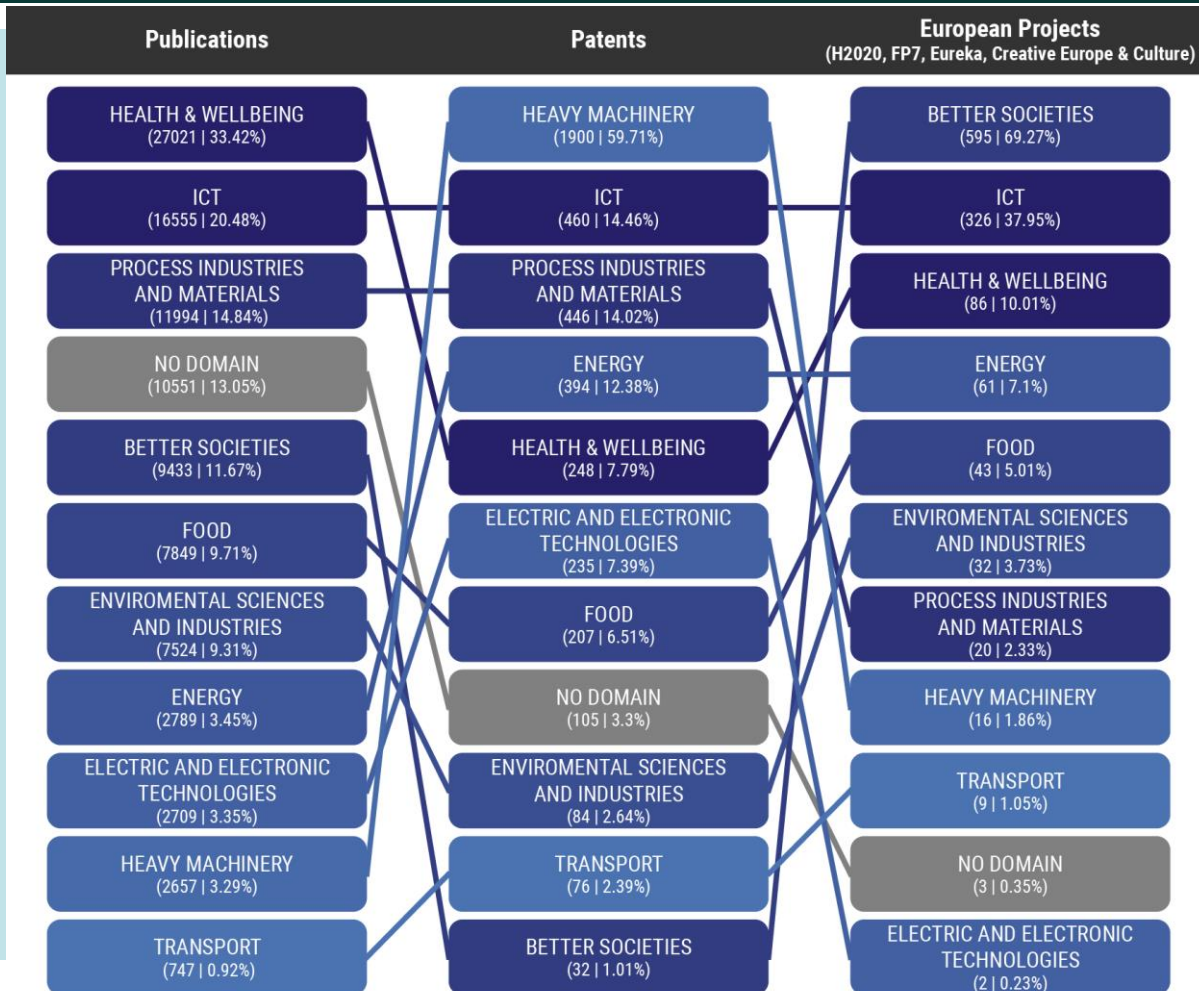


Economies

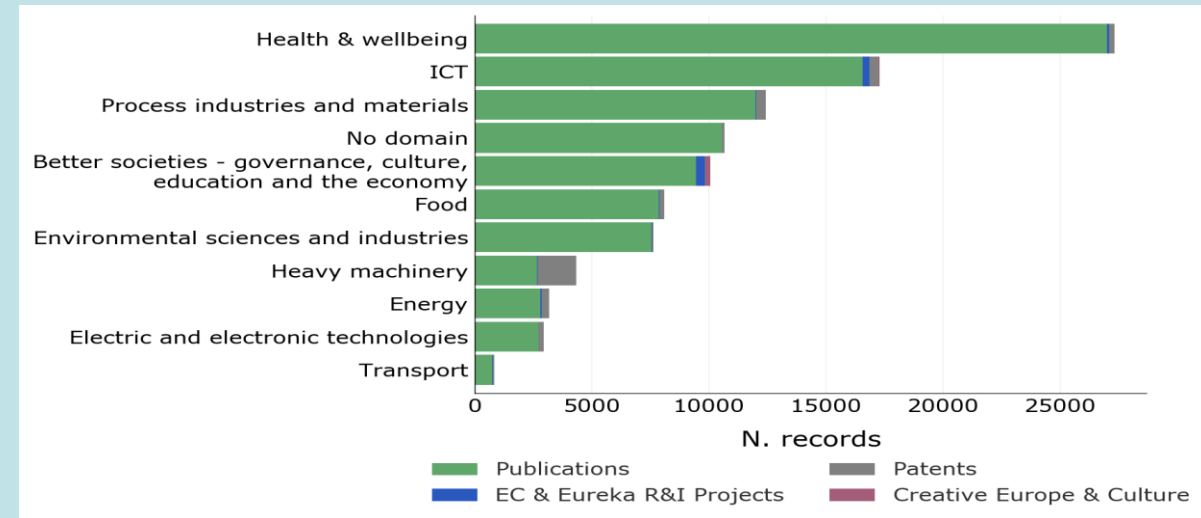
- Serbia
- Albania
- Montenegro
- Bosnia and Herzegovina
- North Macedonia
- Kosovo*

Evidence for policy-making

Scientific and technological specialisations



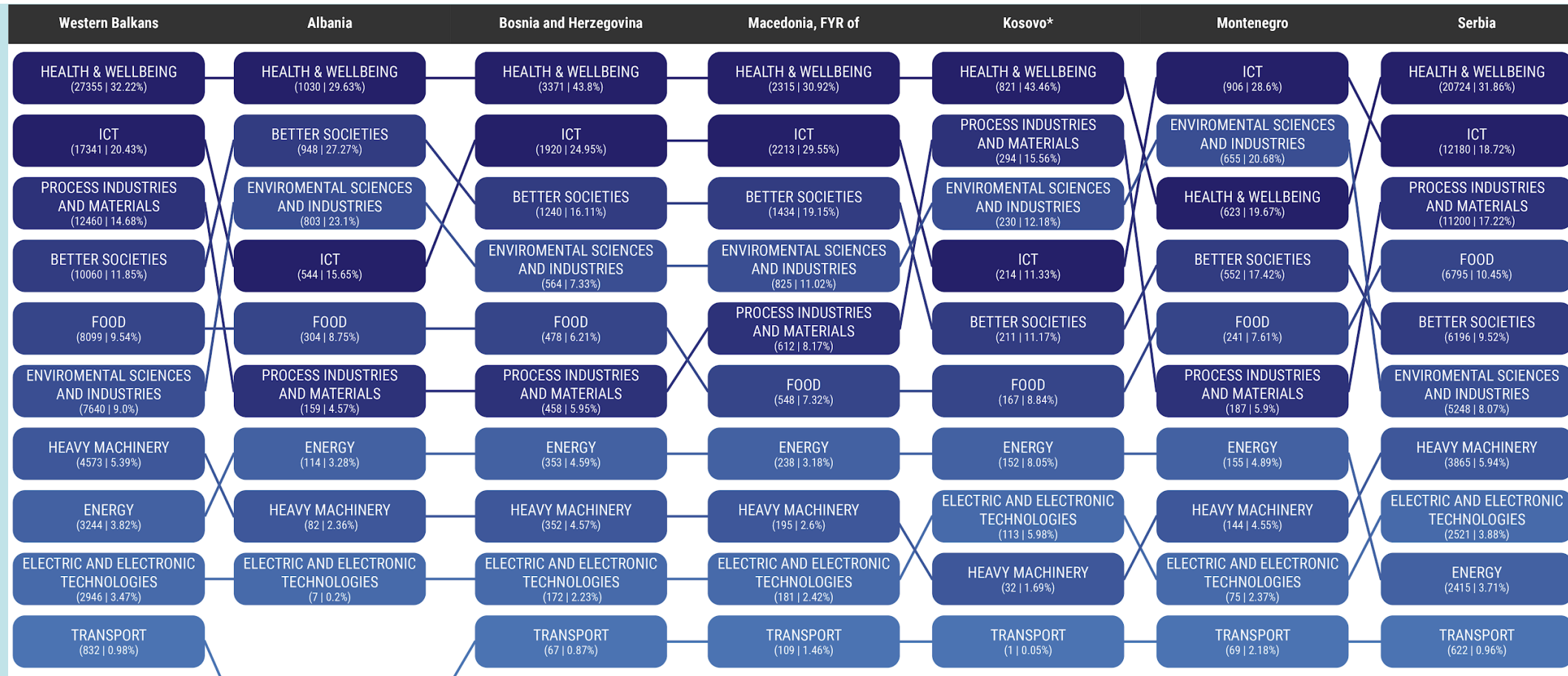
Top specialisations per source



Sources of science and technology inputs

Evidence for policy-making

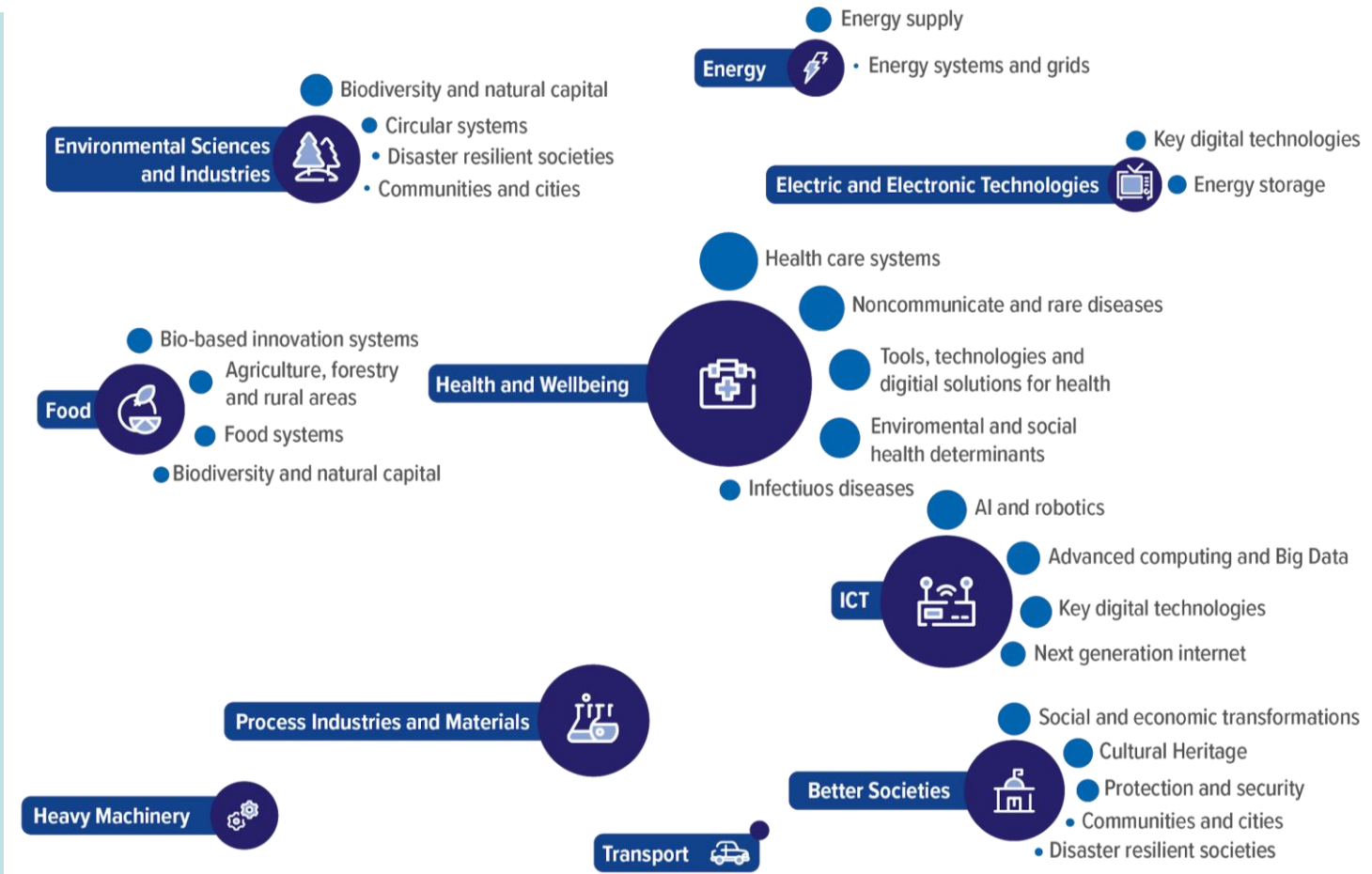
Scientific and technological specialisations



Top specialisations per economy

Evidence for policy-making

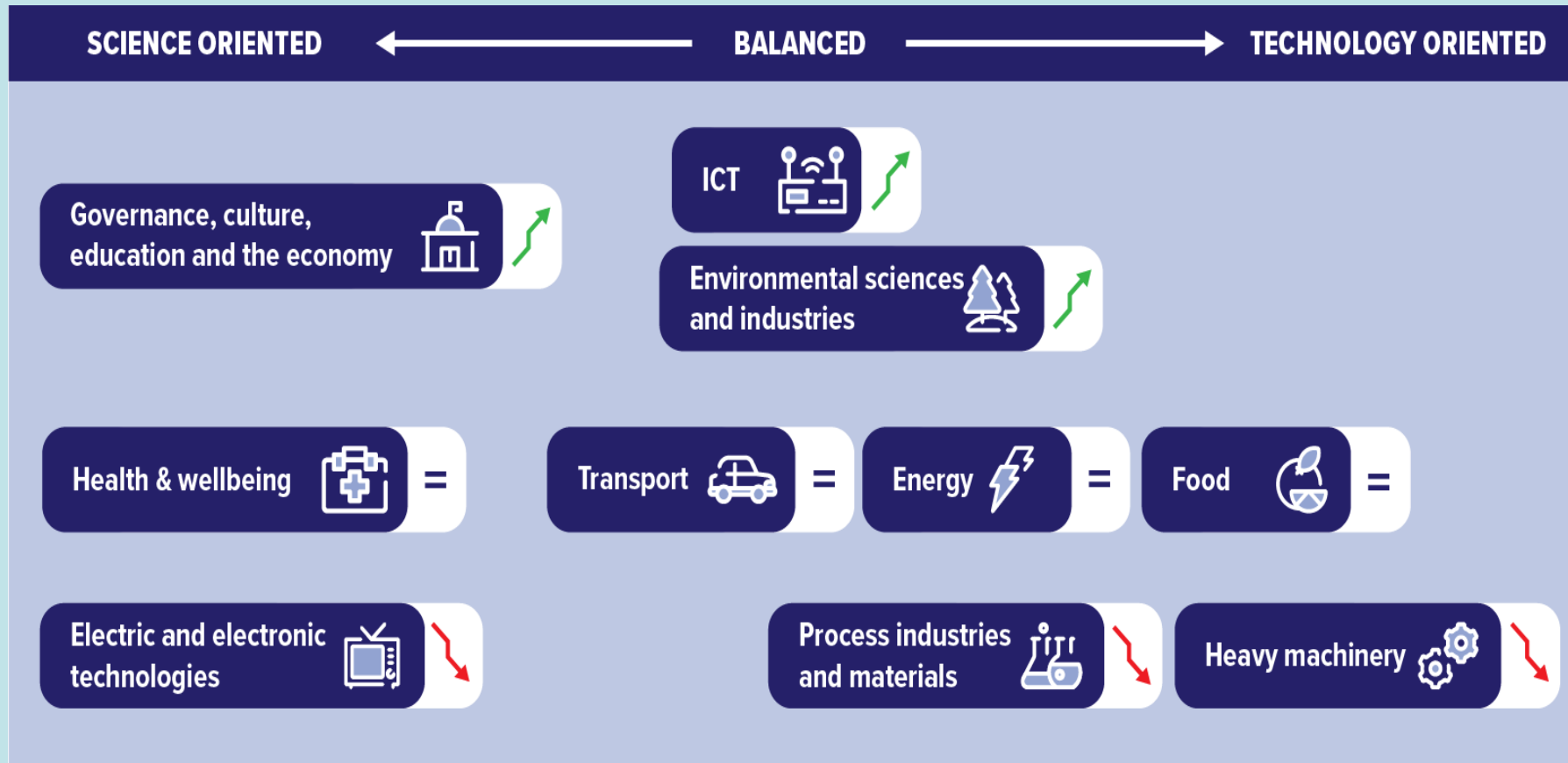
Scientific and technological specialisations



Subspecialisations in science and technology

Evidence for policy-making

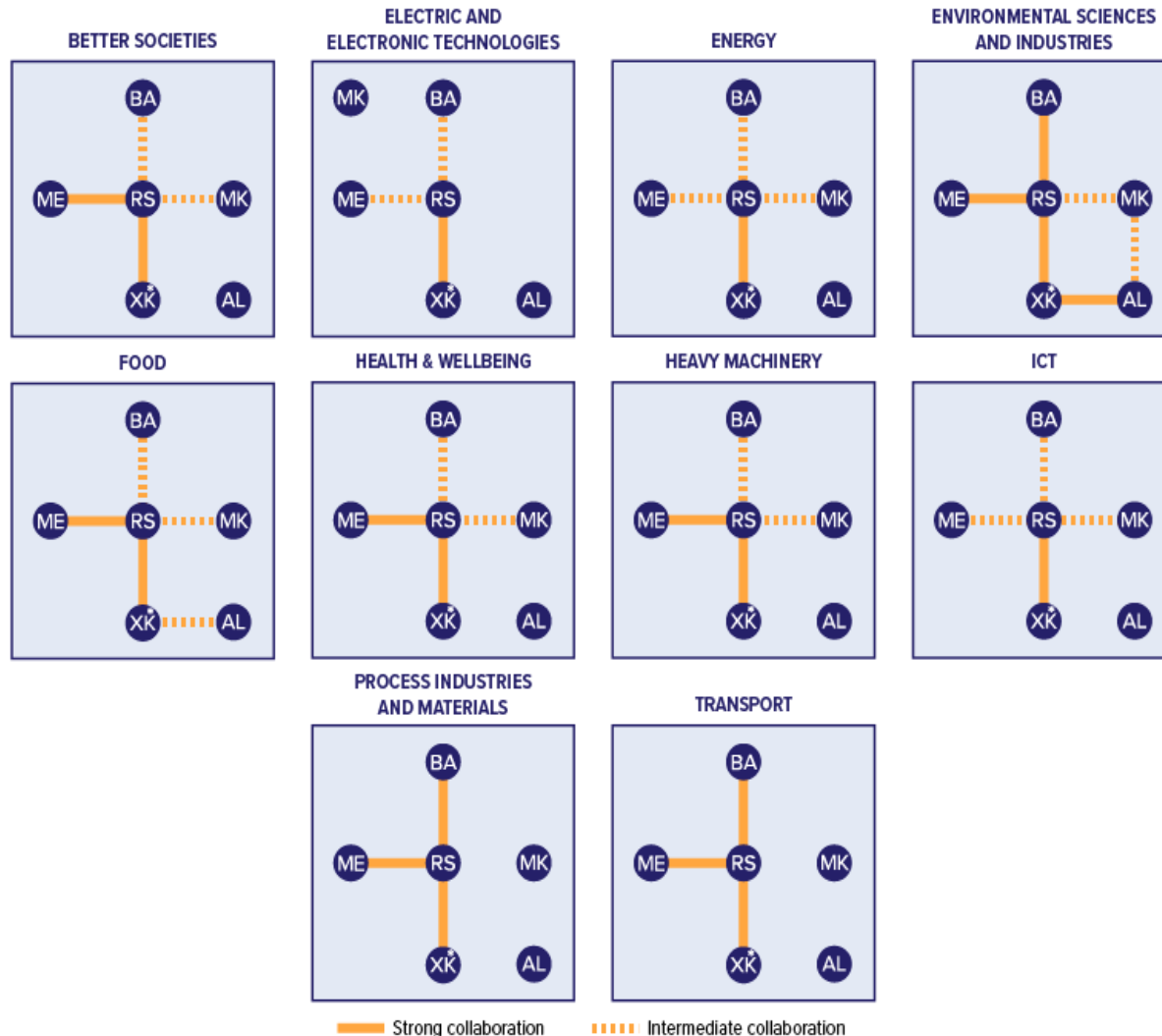
Scientific and technological specialisations



Scientific vs technological specialisations

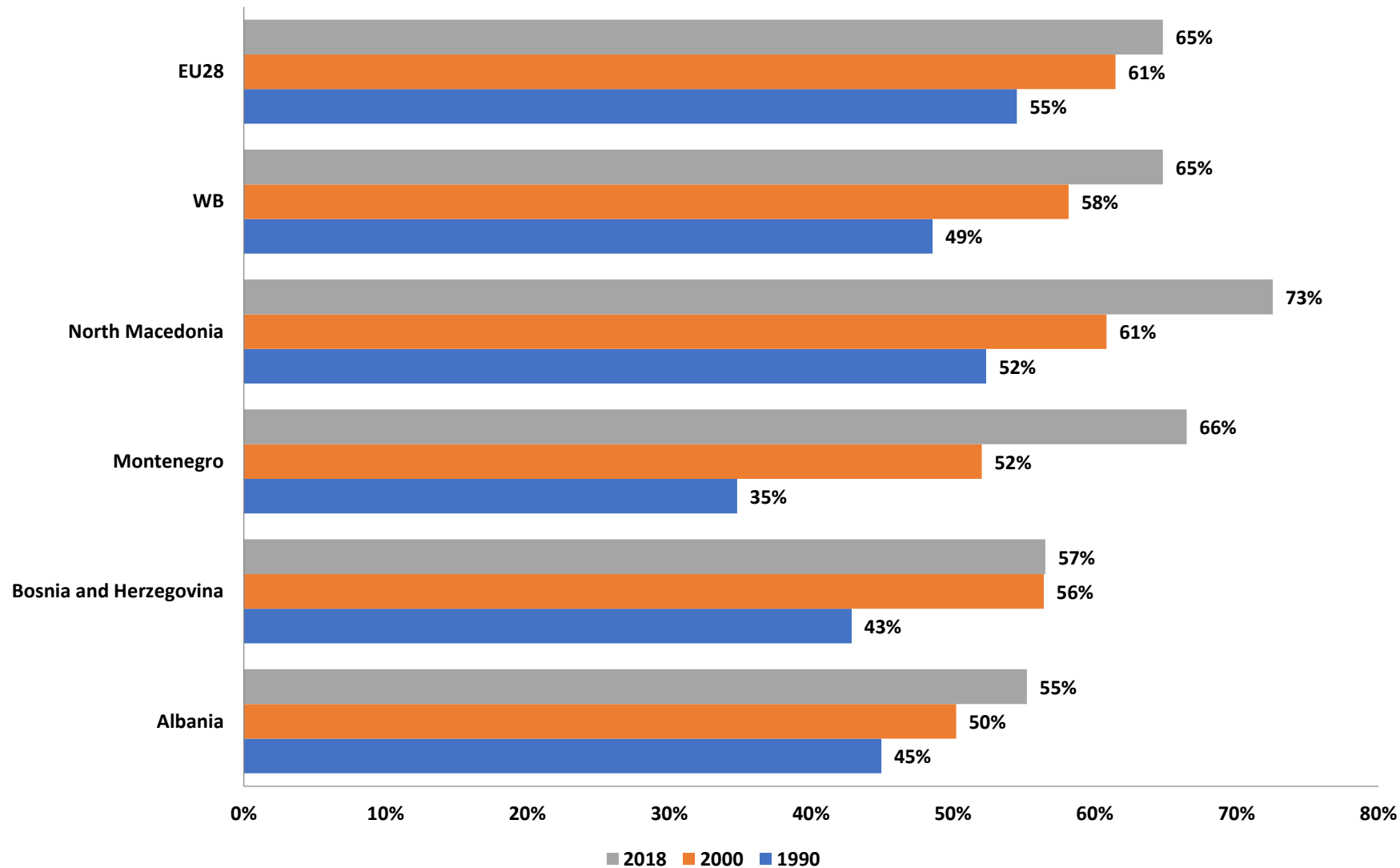
Evidence for policy-making

Scientific and technological collaboration



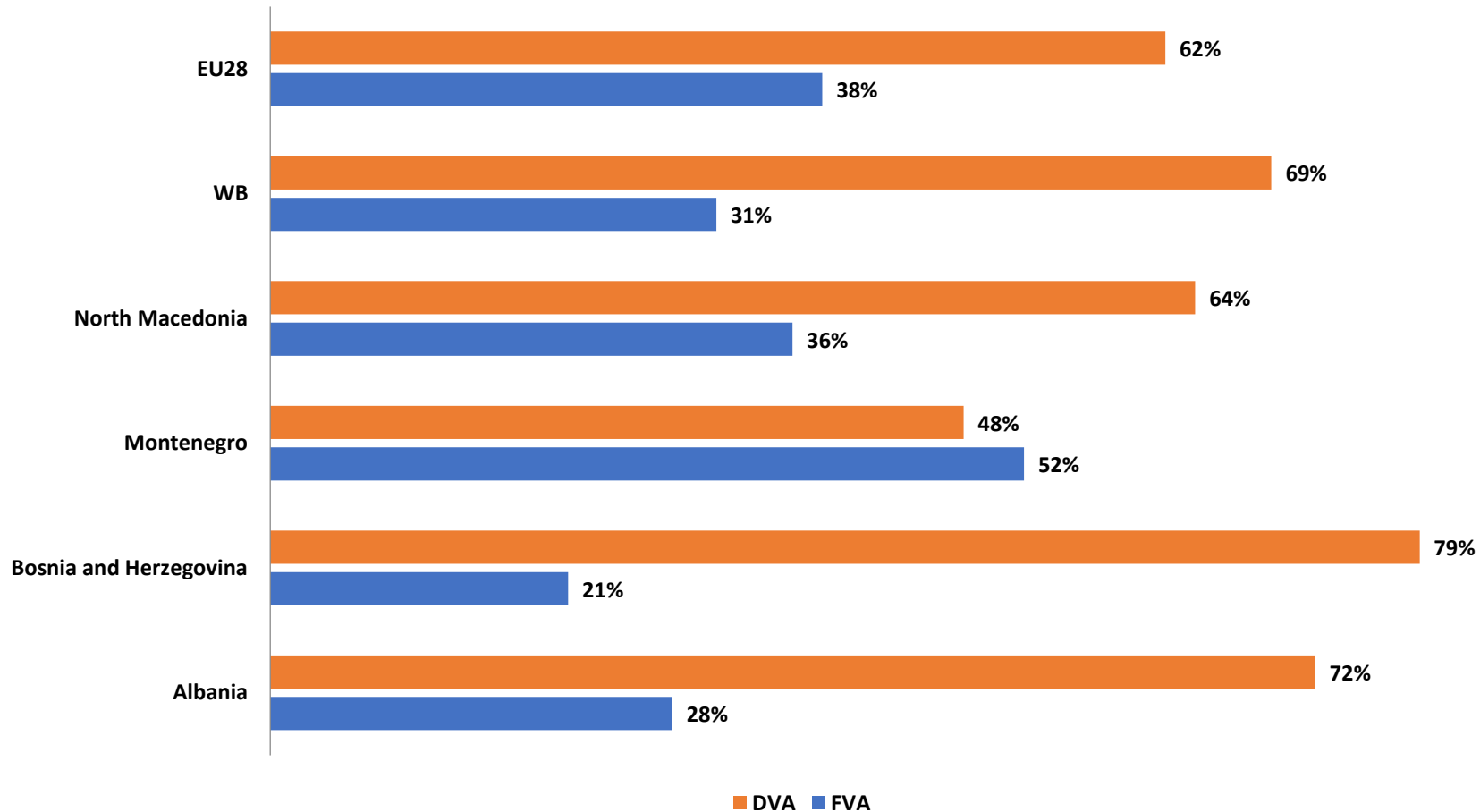
Collaboration network of WB economies by domain

Evidence for policy-making – global value chains



GVC participation rate for
1990, 2000 and 2018)

Evidence for policy-making – global value chains



Gross-Exports broken down into domestic (DVA) and foreign (FVA) value added content for the year 2018

