Smart Specialisation in Georgia

Collaboration with the Joint Research Centre

Kutaisi, 31 May 2022

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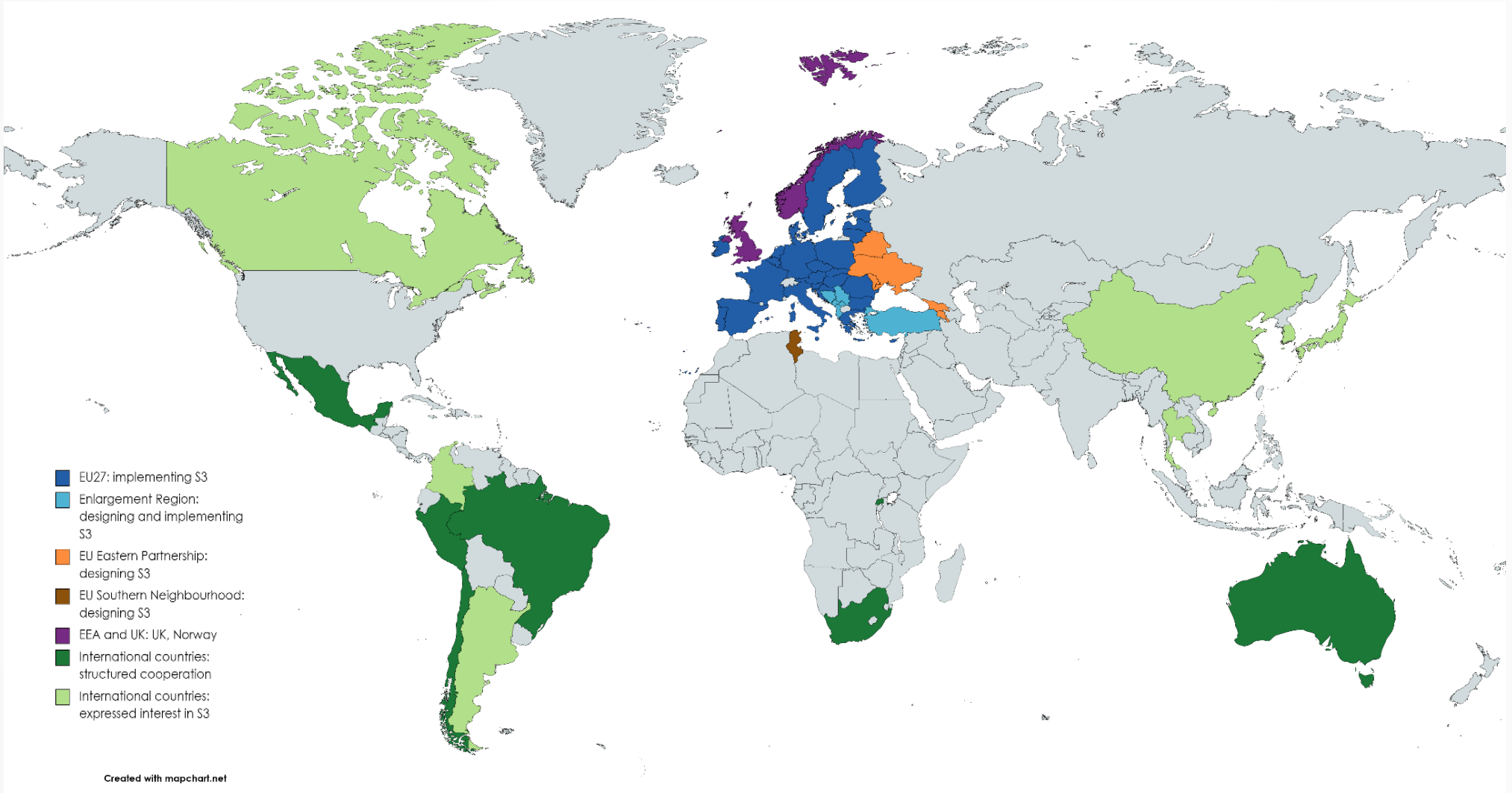
European Commission

Smart Specialisation – EU-born, globally applied



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The Eastern Partnership

The Eastern Partnership (EaP) is a joint initiative involving the EU, its Member States and six Eastern European Partners: Armenia, Azerbaijan, Belarus*, Georgia, the Republic of Moldova and Ukraine.

https://www.universiteitleiden.nl/binaries/content/gallery/ul2/main-images/campus-the-hague/bsk/eap2.png

* - Belarus suspended participation in November 2020

The Eastern Partnership

- Specific Eastern dimension of the European Neighourhood Policy
- Launched in 2009, the EaP is a strategic and ambitious partnership based on common values and rules, mutual interests and commitments, as well as shared ownership and responsibility.
- It aims to strengthen and deepen the political and economic relations between the EU, its Member States and the partner countries, and supports sustainable reform processes in partner countries.
- Key priority areas: (1) stronger economy; (2) stronger governance ; (3) stronger connectivity and (4) stronger society, together with targets for the cross-cutting issues of gender, civil society and strategic communication

Our involvement in EaP

JOINT STAFF WORKING DOCUMENT

Eastern Partnership - 20 Deliverables for 2020 Focusing on key priorities and tangible results

Priority I: Economic development & market opportunities

6 deliverable: The creation of new job opportunities at the local and regional level will be supported via EU programmes aimed at diversifying the economic activity and reducing disparities.

At least one Partner Country committed to develop place-based **smart specialisation strategy** for research and innovation to enhance regional competitiveness.

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Progress so far

Countries are following Smart Specialisation Framework for EU Enlargement and Neighbourhood Region (S3 Framework), developed by JRC in cooperation with partner countries, international experts and policy directorates of European Commission

Steps of S3 Framework	Country progress
1. Institutional capacity building: request and S3 team	Armenia Ukraine (Rivne)
2. Institutional capacity building: place of S3	
3. Mapping: quantitative	Ukraine (Kyiv, Odessa)
4. Mapping: qualitative	
5. Entrepreneurial discovery process	Georgia (Imereti) Ukraine (Donetsk, Kharkiv, Khmelnitsky, Luhansk, Lviv, Ternopil, Zaporizhiya)
6. Institutional capacity for implementation	Moldova
7. Final strategy	

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EaP study

- The study presents a solid basis for the Smart Specialisation process by offering an extensive quantitative analysis of national-level potential in economy, innovation, science and technology
- Based on the available international data
- Upcoming report to be published in 2022

  - What are the subsectorial specialisations of the EaP countries in terms of economic critical mass, emerging sectors and innovative activities of companies?
  - Which of these specialisations are common in the EaP region and which specific to each country?
  - What are the areas of specialisation and excellence of EaP STI system that can be mobilised to support knowledge-based economic transformation?
  - What is the structure of the international and national STI collaboration networks and who are the main stakeholders?
  - Are there possible synergies/concordance between the economic, innovative, scientific and technological specialisations of the countries?

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EaP study results (to be published soon):

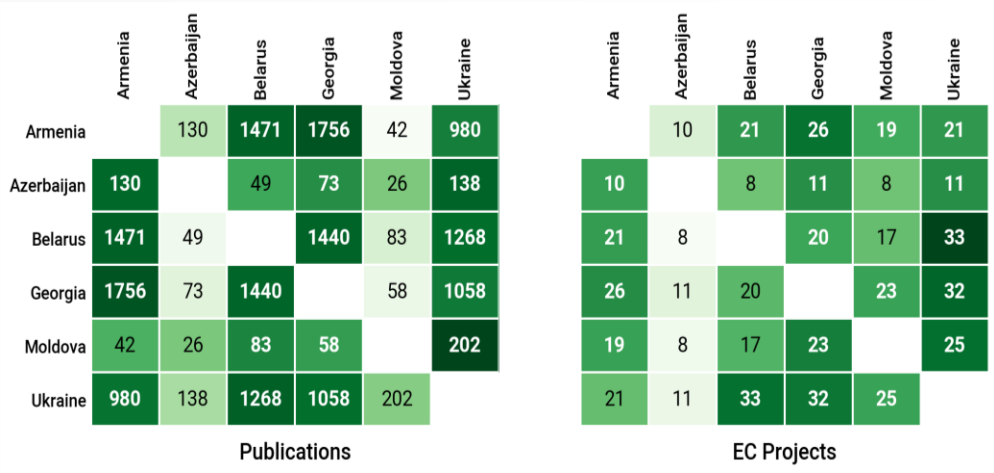
Economic Cluster (i.e. E&I domain)	Corresponding NACE code(s)	Alignement with S&T domain(s)
Food Processing and Manufacturing	10 Manufacture of food products 11 Manufacture of beverages	Agrifood
Tobacco	12 Manufacture of tobacco products	
Leather, Apparel & Footwear	13 Manufacture of textiles 14 Manufacture of wearing apparel 15 Manufacture of leather and related products	Nanotechnology and materials
Wood Products	16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	Chemistry and chemical engineering Nanotechnology and materials
Media Production and Distribution	18 Printing and reproduction of recorded media	
Oil and Gas Production and Transportation	19 Manufacture of coke and refined petroleum products	Chemistry and chemical engineering Energy Nanotechnology and materials
Chemical Products	20 Manufacture of chemicals and chemical products	Agrifood Biotechnology Chemistry and chemical engineering Nanotechnology and materials
Vulcanized and Fired Materials	23 Manufacture of other non-metallic mineral products	Nanotechnology and materials
Metalworking Technology	25 Manufacture of fabricated metal products, except machinery and equipment	Nanotechnology and materials

Economic Cluster (i.e. E&I domain)	Corresponding NACE code(s)	Alignement with S&T domain(s)
Communications Equipment and Services	61 Telecommunications	ICT and computer science
Computer Programming, Information Services and Financial Services	62 Computer programming, consultancy and related activities 63 Information service activities 64 Financial service activities, except insurance and pension funding	
Information Technology and Analytical Instruments	26 Manufacture of computer, electronic and optical products 27 Manufacture of electrical equipment	Electric and electronic technologies Energy Fundamental physics and mathematics ICT and computer science Nanotechnology and materials Optics and photonics
Production Technology and Heavy Machinery	28 Manufacture of machinery and equipment n.e.c.	Agrifood Energy Environmental sciences and industries Fundamental physics and mathematics Mechanical engineering and heavy machinery
Automotive	29 Manufacture of motor vehicles, trailers and semi-trailers	Transportation
Repair and installation of machinery and equipment	33 Repair and installation of machinery and equipment	Nanotechnology and materials
Wholesale Trade	46 Wholesale trade, except of motor vehicles and motorcycles	
Postal and Courier Activities	53 Postal and courier activities	
Hospitality and Tourism	55 Accommodation 56 Food and beverage service activities	

EaP study results (to be published soon):

Smart Specialisation in the Eastern Partnership Countries –

Potential for knowledge-based economic cooperation



Most relevant S&T domains	Countries with high specialisation in the domain
Agrifood	
Biotechnology	
Chemistry and chemical engineering	
Electric and electronic technologies	
Energy	
Environmental sciences and industries	
Fundamental physics and mathematics	
Health and wellbeing	
ICT and computer science	
Mechanical engineering and heavy machinery	
Nanotechnology and materials	
Optics and photonics	
Transportation	

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Additional JRC activities: STI roadmap for SDGs

From practice

Regional inspirations

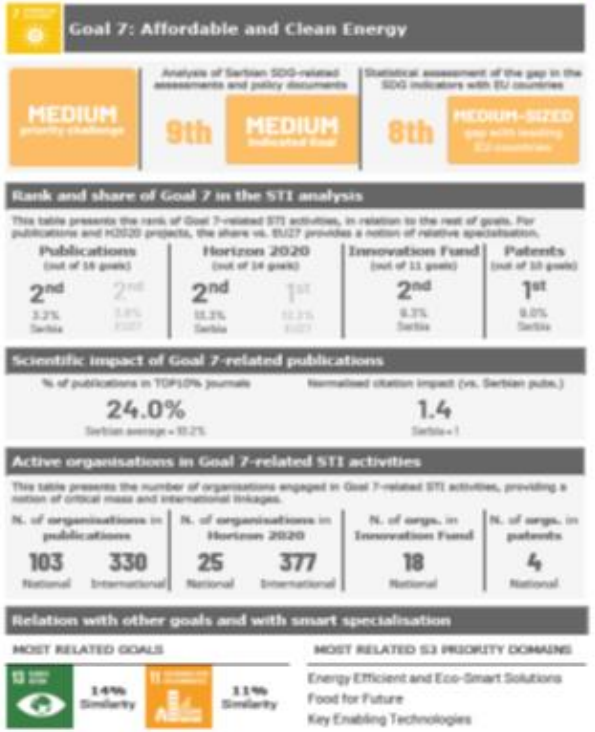
26 cases in Europe and beyond

through science

and cooperation

UN DESA | World Bank | UNESCO | UNCTAD | UNIDO | OECD | TIPC

to piloted methodology



Serbia | Ukraine | Tunisia

Czech Republic

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EC JRC support for Smart Specialisation in Georgia so far:

- Collaboration since 2019
- Support for development of regional Smart Specialisation strategy in one pilot Region - Imereti
- Series of awareness building events in 2019-2020
- Studies of economic and innovation potential for Imereti region
- Training workshops for national and regional teams in 2020 and 2022
- Expert support and Networking activities with other countries/economies in 2022

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Potential for Science and Technology specialisation

Georgia	Critical Mass		Specialisation		Excellence		Summary
S&T Domain	Pubs.	Pat.	Pubs.	Pat.	NCI*	EC projects*	Count of ✓
Agrifood		✓	✓	✓		✓	4
Biotechnology							0
Chemistry and chemical engineering		✓		✓			2
Electric and electronic technologies							0
Environmental sciences and industries	✓	✓	✓	✓	✓	✓	6
Fundamental physics and mathematics	✓		✓		✓		3
Governance, culture, education and the economy	✓		✓	✓		✓	4
Health and wellbeing	✓		✓		✓		3
ICT and computer science				✓	✓	✓	3
Mechanical engineering and heavy machinery		✓		✓			2
Nanotechnology and materials	✓	✓					2
Optics and photonics					✓		1

* NCI = Normalised citation impact

* EC projects = EU-funded R&I projects

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Quantitative and Qualitative Analysis in Imereti

N	Domain	Development potential[13]	R&D Activities[14]	Collaborations with Academic and R&D Institutions[15]	Innovation trends[16]	Export Potential[17]	Linkage with other domains[18]
1	**Mining and Production of Basic Metal Products**	Medium	High	High	High	High	2
2	**Manufacture of Wood and Wood Products**	High	Medium	Medium	Medium	High	1, 5
3	**Production of Meat and Meat Products, Water and Mineral Water**	Low	High	Medium	Medium	Medium	4, 5, 6, 8
4	Local Tourism Related Services, Hotels, and Similar Accommodation	Medium	Medium	High	Low	Low	2, 3, 6, 7, 8
5	Wholesale of Non-agricultural Intermediate Products, Other Specialized Wholesale	Low	Medium	Low	Low	Low	6
6	**Agricultural Production and Related Services**	Low	High	Medium	High	High	2, 4, 8
7	**Manufacture of Wearing Apparel**	Medium	Low	Medium	Low	Medium	4, 5
8	Manufacture of Machinery/Equipment and Electrical Machinery/Apparatus	Low	Medium	Medium	Low	High	2, 3, 4, 5

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S3 Framework
for EU Enlargement and Neighbourhood Region

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WHERE WE ARE NOW

updated May 2022

1 **INSTITUTIONAL CAPACITY BUILDING** (Decision to Start S3 Process) — 2019

2 **INSTITUTIONAL CAPACITY BUILDING** (Analysis of Strategic Mandates) — 2020

3 **DIAGNOSIS** (Quantitative mapping) — 2021

4 **DIAGNOSIS** (Qualitative mapping) — 2022

5 **STAKEHOLDER DIALOGUE** — STARTING NOW

6 **INSTITUTIONAL CAPACITY FOR IMPLEMENTATION**

7 **FINAL S3 STRATEGY**

SMART SPECIALISATION IN

Georgia

European Commission

Thank you for your attention

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