



### SUSTAINABLE DEVELOPMENT GCALS

# STI for SGDs Roadmaps in Serbia – paving the pathways for sustainable recovery and future resilience

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### Serbia: STI reform process





- Comprehensive reform of the STI sector is ongoing process
- New model for financing research activities has been piloted
- Serbian Government adopted the Smart Specialization Strategy (4S) on 27<sup>th</sup> February 2020
- Ministry of education, science and technological development, together with JRC, UNIDO and Cabinet of Serbian Minister in charge for Agenda 2030, organized on 27<sup>th</sup> February 2020 one-day workshop "Smart specialization for sustainable development goals".
- The aim of the workshop was to conduct stakeholder and expert validation of the SDG challenges.
- Within inter-ministerial working group for monitoring the implementation of the 2030 Agenda in Serbia, will be established sub-unit for STI for SDGs.





## Key elements of Serbian STI for SDGs Roadmap

- Based on very inclusive process of Smart Specialization
  Strategy development (mapping of economic, science and innovation potential, qualitative analyses, EDP), with over
  50% of stakeholders from the private sector
- Adapted methodology with an increasing focus on the SDGs as key framework for the strategy
- Identification of the scientific, technological and innovative potential that can be mobilized to answer the main challenges connected with SDGs in Serbia



#### Rank and share of Goal 7 in the STI analysis

This table presents the rank of Goal 7-related STI activities, in relation to the rest of goals. For publications and H2020 projects, the share vs. EU27 provides a notion of relative specialisation.

(out of 16 goals)		(out of 14 goals)		Innovation Fund (out of 11 goals)	Patents (out of 10 goals)
2 <sup>nd</sup>	2 <sup>nd</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>
3.2% Serbia	3.8% EU27	13.3% Serbia	12.2% EU27	9.3% Serbia	9.0% Serbia

Scientific impact of Goal 7-related publications									
% of publications in TOP10% journals				Normalised citation impact (vs. Serbian pubs.)					
<b>24.0</b> %				1.4					
Serbian average = 10-2%				Serbia = 1					
Active organisations in Goal 7-related STI activities									
This table presents the number of organisations engaged in Goal 7-related STI activities, providing a notion of critical mass and international linkages.									
N. of organisations in publications		N. of organisations in Horizon 2020		N. of orgs. in Innovation Fund	N. of orgs. in patents				
103	330	25	377	18	4				
National 1	International	National	International	National	National				
Relation with other goals and with smart specialisation									

11%

Similarity

#### MOST RELATED GOALS

MOST RELATED S3 PRIORITY DOMAINS

13 RAME Similarity

Energy Efficient and Eco-Smart Solutions Food for Future Key Enabling Technologies





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### Lessons learnt so far

- All Serbian smart specialization priority domains (Food for Future, Information and communication Technologies, Creative Industries, Future Machines and Manufacturing Systems, as vertical ones, and Energy Efficient and Eco-Smart Solutions and Key Enabling Technologies as horizontal ones, cross-cutting) can find opportunities and have potential to tackle the SDGs
- Serbian SDG-oriented STI communities are connected internationally with very strong collaboration in the region of South East Europa, with more distant EU countries (Germany, Italy, Spain, Netherlands, France, Belgium), with UK, with lesser degree with USA, and in some specific goals with China, India, Malaysia and Iran)

#### My question to other pilot countries:

• Please identify the major challenges related to the development of STI for SDGs roadmaps in your country as well as to the implementation of it

# Can STI for SDG Roadmap can help in post-Covid sustainable recovery and building future resilience to crises?

• In case of Serbia it was visible that STI sector has been one of the major support pillar to the society at large in fighting with consequences of Covid 19 disease.

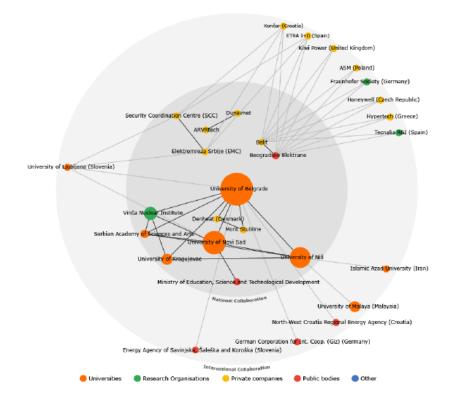




Goal 7: Affordable and Clean Energy

#### **SDG-**oriented **STI** collaboration networks

The following schema presents the collaboration network of the top 15 national and top 15 international actors engaged in Goal 7, classified by typology of organisation.







## More information on the STI for SDGs Roadmap and 4S

- https://rsjp.gov.rs/en/news/smart-specialisation-a-modern-approach-to-economicdevelopment/
- https://s3platform.jrc.ec.europa.eu/pilot-methodology

