



# Serbian Infrastructure support & ST Park initiatives

Ministry of Education, Science and Technological Development,  
Republic of Serbia

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Science Technology Park, Belgrade

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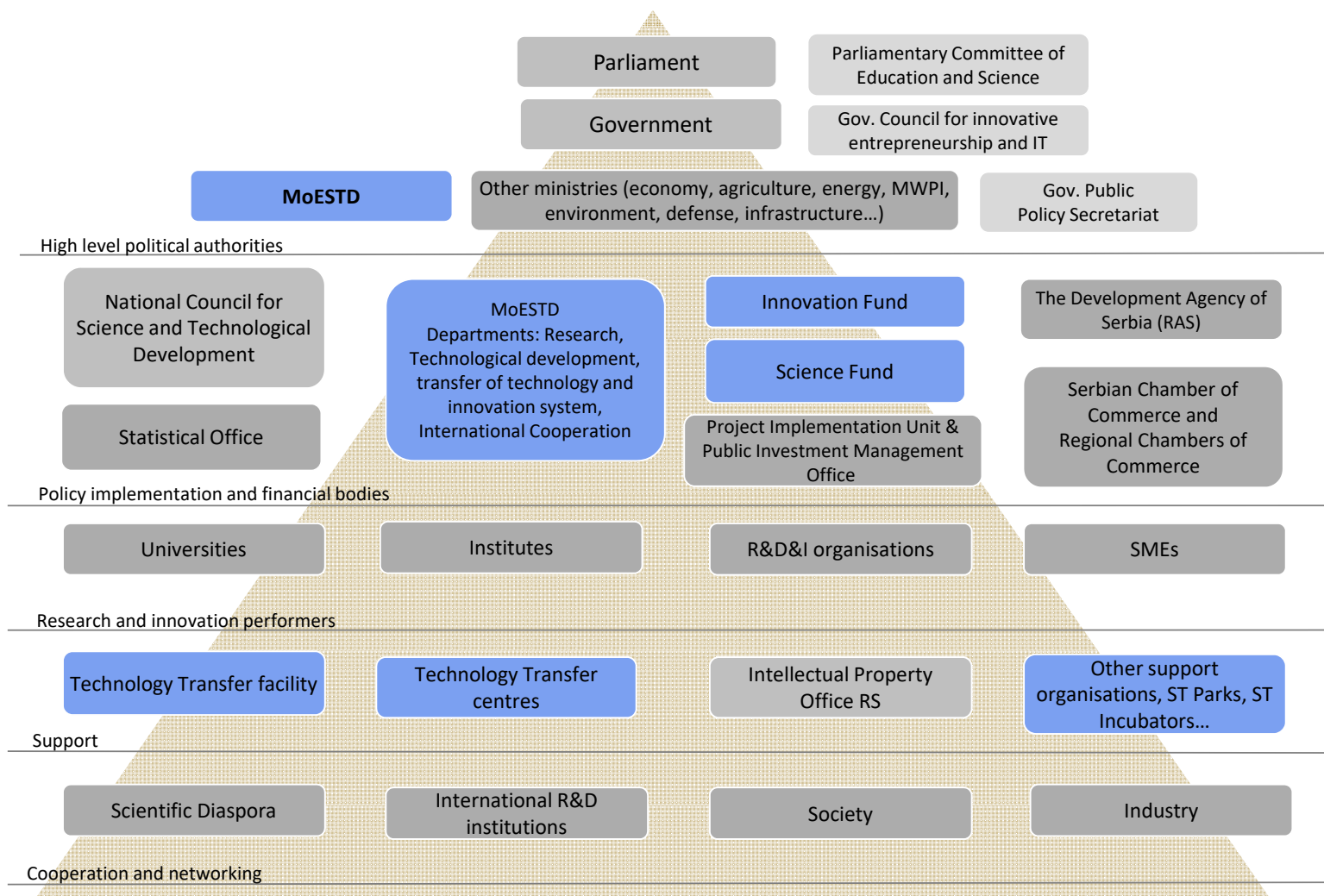
## SOME BACKGROUND INFORMATIONS

### **Global Competitiveness Index 2018 - Rank 65/140**

- Quality of research institutions - Rank 59/140
  - Multi-stakeholder collaboration - Rank 95/137
  - Scientific publications (H Index) - Rank 66/140
  - Innovation capability - Rank 56/140
  - Innovation ecosystem - Rank 57/140
- 
- **R&D expenditures (%GDP) 2018 - 0.92**
  - **2.322 R&D staff per million people 2018 (compared to 5,000 in the EU-28)**



# Institutional Framework





## RDI Policy Framework

- Strategy on Scientific and Technological Development of the Republic of Serbia for the period 2016-2020 - “RESEARCH FOR INNOVATION” (Official Gazette RS, No 25/2016) 03-03-2016
- Action Plan for strategy implementation (Official Gazette RS, No 60/2018)
- [Law on science and research \(Official Gazette RS, No 49/2019\) - adopted in July 2019](#)
- Law on Higher Education (Official Gazette RS, No 88/2017, 27/2018-oth.law, 73/2018 and 67/2019)
- Law on Innovation Activity (Official Gazette RS, No 110/2005, 18/2010 and 55/2013)
- Law on Serbian Academy of Science and Arts (Official Gazette RS, No 18/2010)
- [Law on Science fund \(Official Gazette RS, No 95/2018\) - adopted in December 2018](#)
- [Research Infrastructure Roadmap - adopted in December 2018](#)
- [Smart Specialization Strategy - in preparation](#)



## Research Performers

The scientific research system of the Republic of Serbia comprises the following institutions (Law on science and research):

- Accredited scientific research organisations
  - Faculties which operate exclusively under the Universities
  - Scientific institutes and Research & Development institutes
  - Centers of Excellence
- Serbian Academy of Science and Arts - SASA
- Matica Srpska

Scientific Institutes/ Research-Development Institutes	Higher Education Institutions	Centres of Excellence
63	121	20



## Innovation Performers

Innovation activities performance organisations are (Law on Innovation Activity):

- Development and production centres (Inn SMEs)
- Research and development centres
- Innovation centres
- Organisations for infrastructural support to innovation activity Science-technology Parks (STP) and Business-technology Incubators (BTI)
  - The amount of 0.86 million EUR for 51 project within 8 public calls was allocated in total so far.

Innovation Centres	Research and Development Centres	Development and Production Centres	Support Organisations STP, BTI
7	19	43	11



## R&D sector reform in Serbia



Comprehensive reform of R&D sector in Serbia is underway. Reforms includes:

- Implementation of “Research for Innovation” Strategy which was adopted in 2016;
- **Science Fund** established as an independent implementing agency for research, technology transfer, mobility of researchers and other priority programs;
- Science Fund - **11 different Programs** which will respond to different social challenges;
  - **SF Infrastructure** - Program of support to the establishment, construction, maintenance and improvement of the strategically important laboratories, in accordance with the strategy of scientific and research development of the Republic of Serbia, smart specialization (S3), research infrastructure roadmap and other relevant strategies;
- New **Law on Science and Research** define mix of institutional and project-based funding for research and to promote research excellence and relevance.

This reform is followed by increased investment which is visible in the fact that the funds for 2015-2019 have been increased by 35.8 %.



## R&D Infrastructure

Investments in science and research **infrastructure**:

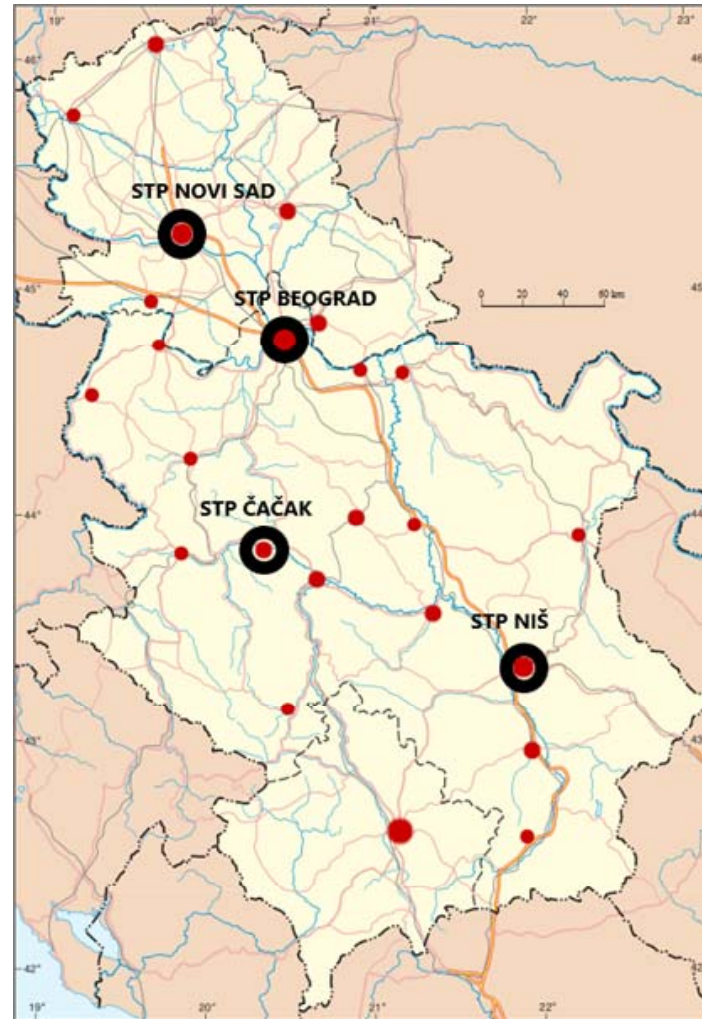
- ~ 34 million EUR for the construction of two Science and Technology Parks (Novi Sad and Niš);
- 5 million EUR for the construction of apartments for young scientists in Kragujevac;
- 10 million EUR for two faculties (Faculty of organisational science UnBg and Faculty of Electronic Engineering UnNi);
- 14 million EUR for the construction of BioSense Institute;
- 5 million EUR for the construction of the Verrocchio Centre of the Institute of Physics in Belgrade.

To make a higher impact of the infrastructural support the Ministry adopted the **Infrastructure Roadmap** (in December 2018).





## SCIENCE TECHNOLOGY PARKs in Serbia





## THE FIRST SCIENCE TECHNOLOGY PARK IN SERBIA



Founded in June, 2015 in **partnership of the Government of Republic of Serbia** (on behalf of Government: Ministry of Education, Science and Technology Development), **City of Belgrade** and **University of Belgrade** with the aim to create the innovation ecosystem for accelerated technology development of Serbia by connecting business to science and encouraging commercialization of innovation.

Provide **services** (all at one place) **based on company needs**: open space business area adjustable to the customers and 5 needs-based business support developed.

- 70 COMPANY MEMBERS
- 700 + EMPLOYEES
- 20 MILLION EUR REVENUE





## Science and Technology Park Novi Sad

Currently under construction:

- Value of the investment is 24 million EUR for the construction and equipment;
- Building surface is 31.350 m<sup>2</sup>;
- The expected completion of works is 2020.





## Science and Technology Park Niš

Currently under construction:

- Value of the investment is 10 million EUR for the construction and equipment;
- Building surface is 14.000 m<sup>2</sup>;
- The expected completion of works is 2020.





## Science and technological park in the city of Čačak

- Founded in 2011
- Through public private partnership of City of Čačak, Fruit Research Institute, Faculty of Agriculture and private sector;
- Building surface is 620 m<sup>2</sup>, invested 385.000 EUR in the works, equipment, activities so far;
- Number of start-up companies that have passed the incubation process is 30 and the number of employees is around 50;
- Current situation: public procurement issued for the preparation of technical documentation for the new building;
- New building surface will be 3.700 m<sup>2</sup>.





## Innovation activities

REPUBLIKA SRBIJA  
FOND ZA  
INOVACIONU  
DELATNOST



**Innovation fund** - founded by the Law on innovation activity to provide financing support for innovation

- Operational since 2011;
- Working under the supervision of the Government of Serbia and Ministry of Education, Science and Technological Development (MoESTD);
- The amount of 18.6 million EUR was allocated for 122 innovative projects and 330 innovation vouchers, so far.

SUPPORT INSTRUMENTS	TARGET GROUP
MINI GRANTS PROGRAM	micro or small sized company, incorporated for no longer than three years at the time of application
MATCHING GRANTS PROGRAM	micro, small and medium enterprises
COLLABORATIVE GRANT SCHEME PROGRAM	SME and academic R&D
TECHNOLOGY TRANSFER FACILITY	academic R&D
INNOVATION VOUCHERS	SME and academic R&D
PROOF OF CONCEPT	academic R&D



## Smart Specialisation Strategy in Serbia



- The Republic of Serbia, as EU candidate country, has started preparation process of Smart Specialization Strategy - 4S on national level;
- Ministry of education, science and technological development coordinates this process with the active engagement of all relevant institutions;
- Strong support of EC JRC;
- **Quantitative analysis** “Mapping the economic, innovative and scientific potential in Serbia” and the **Qualitative analysis** has been prepared;
- **Entrepreneurial discovery process** (EDP) through target dialogue carried out in order to identify priority fields of smart specialisation and to develop the mix of instruments adjusted to the needs and opportunities of each area;
- The identified priority fields of smart specialisation are: Information and communication technologies, Food for the future, Creative industries and Machines and production processes of the future.
- Design of the Smart Specialisation Strategy and priorities for further interventions in Serbia is in process.

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# THANK YOU!

Ministry of Education, Science and Technological Development,  
Republic of Serbia

October, 2019