



SMART
SPECIALISATION
STRATEGY
SERBIA

THE ACTION PLAN

FOR THE PERIOD 2021-2022

FOR THE IMPLEMENTATION **OF**
THE SMART SPECIALISATION
STRATEGY IN THE REPUBLIC
OF SERBIA

FOR THE PERIOD 2021-2027

THE ACTION PLAN

FOR THE PERIOD
2021-2022



INTRODUCTION

The Government adopted the Smart Specialisation Strategy in the Republic of Serbia for the period 2020–2027 (hereinafter: Strategy) at its session held on 27 February 2020. Adoption of the Strategy ended a three-year long period of its elaboration, launched in 2017 by the Ministry of Education, Science and Technological Development (hereinafter: MoESTD) and the Republic Public Policy Secretariat. With the support of the Joint Research Centre (JRC) and through close monitoring of the methodological framework for the elaboration of the Strategy, the MoESTD and other partners worked thoroughly to identify the needs of all stakeholders. As the result of conducted analyses and the consultative process – EDP¹, priority areas, general goal, specific objectives and associated measures of the Strategy have been identified.

Proper implementation of measures and hence achievement of the Strategy goals will largely depend on the Action Plan for the period 2021–2022 for the implementation of the Smart Specialisation Strategy in the Republic of Serbia for the period 2020–2027 (hereinafter: Action Plan) and its contents. For this reason, the development of the Action Plan is one of the key priorities of the Government and of the MoESTD. Shortly after the adoption of the Strategy, a crisis caused by the global COVID-19 pandemic started and significantly hindered and slowed down the process of drafting the Action Plan. In light of the new challenge, MoESTD representatives decided to avail themselves of the longer time it took to draft the Action Plan to make all necessary changes that will enable all actors in the priority areas to better respond to the new reality.

¹ EDP implies targeted dialogue, gathering participants from different sectors to identify priority areas of smart specialisation and develop a suitable policy mix for their implementation;

The Action Plan, as a public policy document that is an integral part of the Strategy, contains all the measures and activities necessary to achieve the general and specific goals of the Strategy. The Action Plan has been developed for the period 2021–2022 to enable a timely revision of the goals and identified measures, in continuous dialogue with all stakeholders and institutions implementing the measures. Approach taken so far has made the Republic of Serbia an example of good practice in the Western Balkans as regards the ways to implement the smart specialization framework. Continuing along the same path with a realistic and comprehensive Action Plan is the goal of all parties involved.

The following chapters are presented in textual form further in this document:

- Relevant events in the period following the adoption of the Strategy until the completion of the Action Plan;
- Impact of the COVID-19 crisis on further implementation of the Strategy;
- Contribution of the Strategy to sustainable development goals;
- Monitoring and evaluation framework;
- Analysis of financial effects.

The textual part is followed by the following tables:

- Framework for monitoring the implementation of measures and achievement of 4S goals at the level of priority areas (Table 3);
- Framework for monitoring output indicators at the level of priority areas (Table 4);
- The Action Plan for the implementation of the Smart Specialisation Strategy in the Republic of Serbia for the period 2021–2022 (Table 5).



METHODOLOGY OF ACTION PLAN DRAFTING



Implementation and relevant events in the period following the adoption of the Strategy until the completion of the Action Plan

Given the time period that elapsed from the adoption of the Strategy to the finalization of the Action Plan, the Action Plan contains certain adjustments in relation to the Package of Measures defined in the Strategy, which are to some extent a reflection of the changed perspective on the development of science and economy areas that are in the focus of the Strategy after the outbreak of the pandemics, as well as events relevant to meeting the Strategy goals that have occurred in the meantime.

As a result of harmonization with the recommendations and comments on the text of the Strategy by the Joint Research Centre of the European Commission, the Action Plan contains a more comprehensive set of measures and indicators, implying adjustment and improvement in relation to the measures and indicators contained in the Strategy. In addition to the expert support received from the Joint Research Centre of the European Commission, the goals, measures and indicators of the Action Plan are also harmonized with the relevant institutions in the Republic of Serbia responsible for monitoring and oversight of the Action Plan implementation.

The structure of the Action Plan follows one general goal and five specific objectives set out in the Strategy, which have largely remained unchanged, except for the specific objective 2, which is further supplemented with the intention to indicate that future economic development will be based on innovation, in addition to previously emphasized research and development and cooperation among the quadruple helix participants.

The measure implying an amendment to the Rulebook on the procedure, manner of evaluation and quantitative presentation of scientific research results of researchers was added within the specific objective 1, as it was concluded that the implementation of the amendment to the Rulebook will significantly contribute to research excellence and focussing of scientific activities to Strategy priorities.

Measures within the specific objective 2 have been further improved through reallocation of existing measures within other objectives or through the definition of additional ones, in cooperation with the relevant ministries in charge of implementing the Strategy. New measures have been added, the implementation of which will contribute to greater investment of the business sector in R&D as well as more intensive use of public research infrastructure by private entities in priority areas. In addition, additional measures were defined in cooperation with the Ministry of Agriculture, Forestry and Water Management (hereinafter: MoAFW), and relate to investments in physical assets concerning processing and marketing of agricultural and fishery products (IPARD measure 3) and farm diversification and business development (IPARD measure 7).

Measures under specific objectives 3 and 4 have been further improved and supplemented. Within objective 3, three new measures are defined which foresee the development of models for internships in companies within the programmes of basic and higher levels of studies, as well as the adoption of a rulebook on the procedure for submitting an application and for evaluation of technical solutions and defining the legal framework for the implementation of industrial doctorates. In addition to the measure that implies the analysis of administrative procedures in terms of its relevance for the development of priority areas of the Strategy, objective 4 is supplemented by measures to optimize and digitize identified procedures in the areas of the Strategy and improve the Register of administrative procedures according to end user needs, thus further enhancing the set of measures within this objective.

Objective 5 is supplemented with three measures that will significantly contribute to greater internationalization of the economy through its inclusion in regional and global value chains. Additional measures will be implemented in cooperation with the Ministry of Economy, and include the following: Identification and encouragement of export-oriented sectors of industry of higher stages of processing; Support programme for internationalization of industrial economic entities and Support programme for industrial economic entities for entering the supply chains of multinational companies. These measures are also contained in the Action Plan of the Industrial Policy Strategy of the Republic of Serbia from 2021 to 2030, representing an important aspect of linking and synergy between the two strategies. The added measures will significantly contribute to the realization of objective 5.

The indicators of effects at the level of the general goal, the indicators of outcomes at the level of specific objectives and the output indicators at the level of measures have been significantly improved in relation to the indicators defined in the Strategy. The new indicators reflect the outcome of the

consultation process carried out with the consultants and institutions in charge of implementing the measures. An improved set of indicators defined in the Action Plan will contribute to a quality process of monitoring the degree of achievement of general and specific goals of the Strategy.

In the meantime, several measures envisaged by the Strategy have been implemented or their implementation has started.

Policy measure 2.1: In 2020, the Innovation Fund carried out the call for the award of innovation vouchers. Out of a total of 118 approved innovation vouchers, worth 60 million dinars, 72% were in the priority areas determined by the Smart Specialization Strategy.

Policy measures 2.3 and 2.6: Innovation Fund's public call for the Early Development (Mini Grants) Programme and the Innovation Co-financing (Matching Grants) Programme announced in 2020 was harmonized with the Smart Specialization Strategy in the Republic of Serbia. The manuals for these programs define that at least 50% of the available funds for the public call will be allocated to projects in priority areas, if sufficient quality projects are available. The budget allocated for this public call was EUR 5.3 million from the budget of the Republic of Serbia. The total number of applications was 322, of which 253 for the Mini Grants Programme and 69 for the Matching Grants Programme. After the first phase of project evaluation, the Expert Commission made a decision to shortlist a total of 66 projects, of which 46 for the Mini Grants Programme and 20 for the Matching Grants Programme. In December 2020, all shortlisted projects were presented directly to the members of the Expert Commission. After the presentation of the projects, the Expert Commission made a decision on financing 21 projects within the Mini Grants Programme and 14 projects within the Matching Grants Programme. Out of a total of 35 projects, 34 were from the priority areas defined by the Smart Specialization Strategy.

Policy measure 2.8: In coordination with the MoESTD and the Innovation Fund, USAID announced the first public call and allocated funds in the amount of 4 million dinars to companies that will, in cooperation with the IT sector, improve their business and product and packaging design.

Policy measure 3.2: In 2020, MoESTD issued a call, selected and approved for implementation 41 projects for the improvement and development of curricula in higher education institutions with a focus on innovating existing study programs to follow the needs of the labour market, developing entrepreneurial skills of students and improving cooperation between higher education institutions and business sector and other interested actors in the local community, increasing the use of information technology in teaching and learning, etc. The total budget for the support of these projects in 2020 amounted to 13 million dinars, and an additional 17 million dinars have been allocated for 2021.

Policy measure 3.4: In 2020, MoAFW, together with USAID and UNDP, with the total amount of nearly one million dinars supported the national student competition which aims to encourage student innovation and creativity in the production of new food products with added value, with additional focus on environmental protection. The winner of the national competition represented our country at the European competition.

Policy measure 3.5: MoESTD announced a public call, made a selection and financially supported two new study programmes of master's academic studies aimed at creative industries, i.e. connecting art and information technologies, in the total amount of 11 million dinars. Projects of the University of Arts in Belgrade and the Faculty of Mathematics of the University of Belgrade "Art and Design of Video Games" and the University of Kragujevac "Development of Computer Games" were supported.

In addition, during 2020, MoESTD announced a public competition, selected and approved for financing four study programmes of master's academic studies in the field of artificial intelligence, i.e. machine learning "Artificial Intelligence and Machine Learning" in the total amount of 12 million dinars. Projects of the University of Novi Sad (Faculty of Engineering Sciences and Faculty of Sciences), the University of Niš (Faculty of Sciences and Mathematics) and the University of Kragujevac were supported.



Contribution of the Strategy to sustainable development goals

Parallel with the activities of creating the Strategy and the Action Plan, MoESTD recognized the importance of the United Nations Global Programme for creating a Roadmap in the field of science, technology and innovation in order to achieve the Sustainable Development Goals. The Republic of Serbia is one of the 5 countries in the world that participates in this pilot programme. During the stakeholder consultation process, it was concluded that all priority areas of the Strategy have the potential to address the identified global challenges and to contribute to the sustainable development goals.

The “Food for Future” priority area of the Strategy and especially its sub-area “Sustainable Food Production Chain” directly contributes to the second Sustainable Development Goal “World without Hunger”. Specific internal capacities to contribute to this goal exist in machines for the agricultural and food industry as well as in improved production processes and new food products. In addition to its direct contribution, the Food for Future area has the potential to create positive externalities on poverty and inequality (goals 1 and 10), better health (goal 3) and sustainable development research (goals 6, 11, 12, 13, 14, 15).

Information and communication technologies (ICTs) have a horizontal contribution to the development of industry, innovation and infrastructure (goal 9) and employment increase (goal 8). Through adequate education, training and employment policies, ICTs contribute to increasing employment opportunities

and thus address the challenges of poverty (goal 1), inequality (goal 10) and gender equality (goal 5). Through a significant role in the development of medical devices, e-health and digital health, ICTs provide great opportunities and contribute to general health and well-being (goal 3). Similarly, ICTs create opportunities for the development and availability of renewable energy (goal 7) and sustainable cities (goal 11), especially in the domains of energy efficiency, smart grids, smart cities and sustainable and efficient transportation.

Creative industries have two direct links to the Sustainable Development Goals: sub-areas: “Creative audio-visual production” and “Video games and interactive media” have an important contribution to quality education (goal 4) in the field of digital education. The “Smart Packaging” sub-area directly contributes to goal 12 – Responsible Consumption and Production. In addition, similarly to ICT, it can make an indirect contribution to goals 1, 5, 8, 9 and 10 through its horizontal impact on design, creativity and entrepreneurship.

The area “Future Machines and Manufacturing Systems” has a horizontal impact on the development of industry, innovation and infrastructure (goal 9) and employment increase (goal 8). Vertically, it contributes to the creation of new products and innovations in production processes in industries that contribute to goals 2, 11 and 12.

Energy efficient and eco-smart solutions directly contribute to achieving the goal of affordable and renewable energy (goal 7). Energy efficient and eco-smart solutions have an indirect positive impact on most social and environmental goals (goals 9, 13 and 15). Key enabling technologies play an important role in achieving goals 2, 3, 6, 7, 9, 11, 12 and 13.

As a summary of these information, Table 1 shows the impact of the Strategy’s priority areas on sustainable development goals defined by the United Nations. Depending on the intensity of the contribution, the impact of priority areas is defined as direct and indirect.

	Information and Communication Technologies	Food for Future	Creative Industries	Future Machines and Manufacturing Systems	Energy Efficiency and Eco-smart Solutions	Key Enabling Technologies
SDG 1 No Poverty	Indirect	Indirect				
SDG 2 Zero Hunger		Direct	Indirect	Indirect	Indirect	Indirect
SDG 3 Good Health and Well-being	Direct		Indirect		Indirect	Indirect
SDG 4 Quality Education	Direct		Direct			
SDG 5 Gender Equality	Indirect		Indirect			
SDG 6 Clean Water and Sanitation		Indirect		Indirect		Indirect
SDG 7 Affordable and Clean Energy	Direct	Indirect	Indirect	Indirect	Direct	Indirect
SDG 8 Decent Work and Economic Growth	Indirect	Indirect	Indirect	Indirect	Indirect	Indirect
SDG 9 Industry, Innovation and Infrastructure	Direct	Indirect	Indirect	Direct	Indirect	Direct
SDG 10 Reduced Inequalities	Indirect		Indirect			
SDG 11 Sustainable Cities and Communities	Indirect			Indirect	Indirect	Indirect
SDG 12 Responsible Consumption and Production		Indirect	Direct		Indirect	Indirect
SDG 13 Climate Action		Indirect	Indirect	Indirect	Indirect	Indirect

Table 1. Potential contribution of the priority areas of the Strategy to sustainable development goals
Source: European Commission (2019). Pilot methodology for mapping Sustainable Development Goals (SDGs) in the context of Smart Specialization Strategies, JRC/SVQ/2019/LVP/1645, SIRIS Academic S.L.

Impact of the COVID-19 crisis on the Strategy implementation

The year 2020 was marked by a pandemic of SARS-CoV2 virus, which fully affected all segments of society in an extremely short period of time. Therefore, it was necessary to launch urgent activities in order to mitigate and channel the health and economic consequences of this condition in the best possible way. For all economies, including the Republic of Serbia, it is necessary to address challenges continuously in order to enable the fastest recovery in the best possible way when conditions allow.

In light of the pace of events related to the pandemic, it is expected that during 2021, which will be marked by mass vaccination of the population and other activities in the fight against the pandemic, significant positive effects on the micro- and macroeconomic environment will be achieved locally and globally. All four helix chains are affected in a very specific way by pandemic events, so it is necessary to communicate with stakeholders through EDP workshops in order to, among other things, analyse the following:

a) impact of the pandemic on various spheres of the economy and society

- operation of businesses;
- new models implemented in education;
- science and innovations;
- adjustment of the public sector to new circumstances;
- civil sector function;

b) pandemic in 2021 and beyond

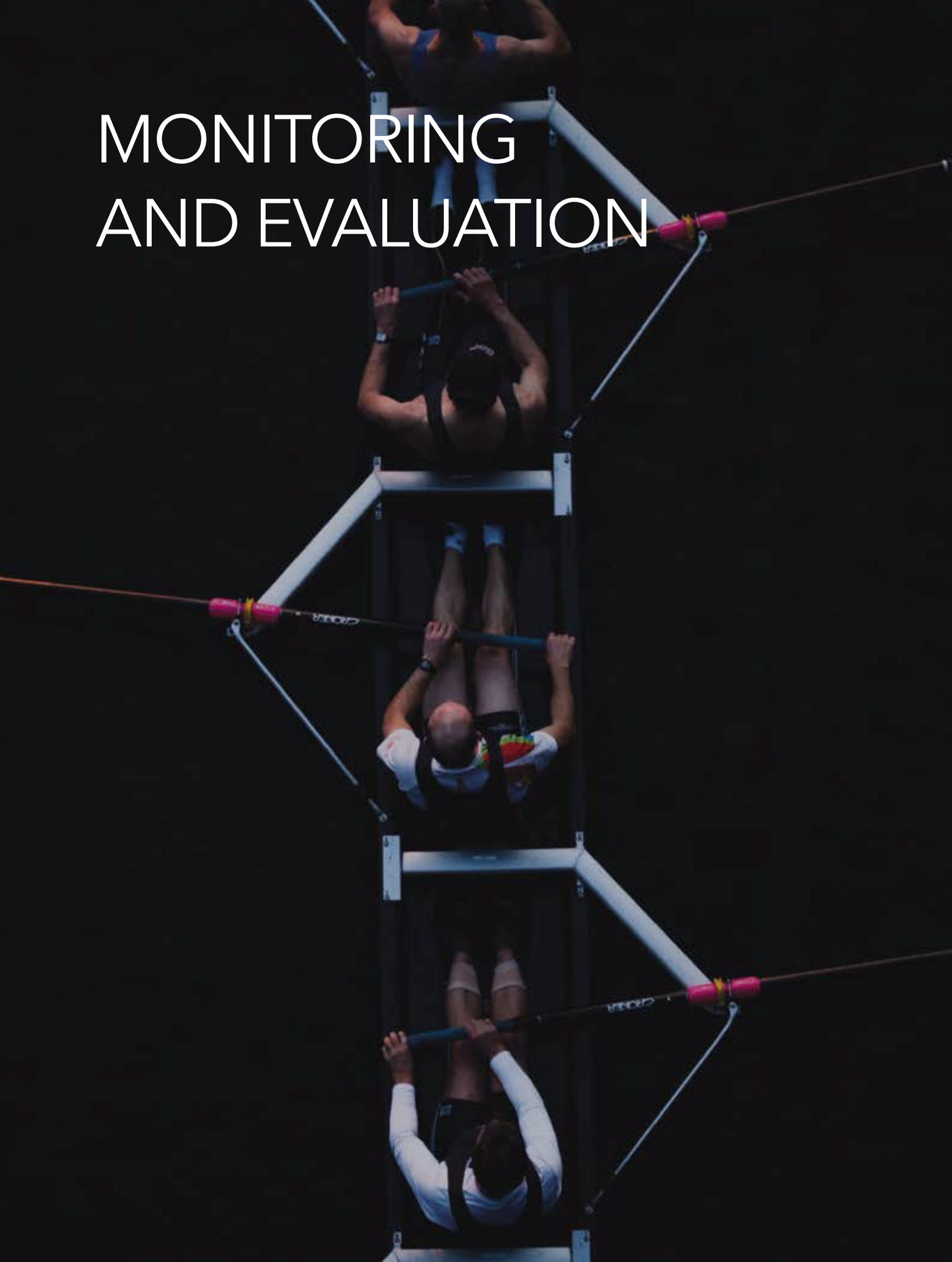
- application of previous experiences, including innovative solutions, to reduce losses, adjust and improve the quality of work in the private, academic, public and civil sector.

Given the complexity of the situation in which the global market and humanity find themselves, it is extremely important to find effective solutions, including innovative approaches, enabling the participants of the quadruple helix to respond to the complex challenges.

The industrial sector, including the IT sector, practically overnight refocused part of its activities on products and services necessary in the health sector. Science has turned to the search for and development of new testing methods, the development of vaccines and medicines. Innovative companies are undertaking to search for solutions to burning problems. The analysis of the speed and depth with which the pandemic took over the global economy, affecting the economy of the Republic of Serbia too, should provide answers to the expected depth of recession and speed and models of economic recovery, including interventions of policy makers in the years to come.



MONITORING AND EVALUATION



The Action Plan is a public policy document of the highest level of detail, which elaborates the Strategy, in order to manage the pace of the implementation of public policy measures that contribute to the achievement of its general and specific goals. Proper monitoring of the Action Plan and its elements will ensure a fully inclusive process that will guarantee the continuous participation of all stakeholders.

The Action Plan is revised as necessary, in line with the results of implementation monitoring and the results of the ex-post analysis of public policy effects. A formal obligation of the MoESTSD set forth by the Law on the Planning System (“Official Gazette of the RS”, No. 30/18) includes reporting to the Government on the results of the implementation of the Action Plan on an annual basis, as well as the final report after the period for the implementation of the public policy document expires.

To enable a transparent and sustainable process, MoESTD has developed an operational plan that will focus on sustainable dialogue through the continuation of EDP workshops. EDP actors will participate in amending or revising the Strategy measures that do not produce adequate results and will help with their expertise and experience in defining all future measures and goals in the next iteration of the Action Plan that will most likely be developed in 2023. EDP workshops are planned to be held at least twice a year in each priority area, with room for increasing the annual number of workshops. Since all major gatherings have been suspended due to the current epidemiological situation in the country, in 2021, the MoESTD will enable EDP workshops to be held online.

In order to maintain the pace of these activities, MoESTD has developed a schematic overview of monitoring and evaluation activities (Table 2. Timeframe of monitoring and evaluation activities), covering the timeframe of the Action Plan.

Activities	2021			2022			2023		
Meetings of the Strategy Implementation Working Group									
EDP workshops									
Reporting on Strategy implementation results									
Summary implementation report									
External evaluation (assessment)									

Table 2. Timeframe of monitoring and evaluation activities

As can be seen in the table above, the timing of mandatory EDP workshops and meetings of the Strategy Implementation Working Group will be coordinated with the timing of reporting on the implementation results. The reason for this coordinated timing is to enable all actors and the general public to gain timely insight into all implementation results.

In addition, the Strategy Implementation Working Group will be an important link between the implementation, monitoring and the wider community participating in the EDP. This group will consist of representatives of all bodies in charge of implementing the measures in the Strategy, as well as members of the new internal unit within the MoESTD, established by the SAIGE Project, which is in charge of monitoring the implementation of the Strategy. MoESTD will also include EDP coordinators of each priority area in the work of this group. In this way, the voice of all actors who participated in the development of the Strategy and who will continue to participate in all future activities related to the EDP will be directly ensured. Meetings of the working group are planned to be held quarterly, leaving room to increase this frequency as needed.

External evaluation will be organized after the end of each Action Plan cycle, meaning that the first external Strategy implementation evaluation report will be due in 2023. MoESTD understands the need for the evaluation to be impartial and the financing of external experts who will perform the evaluation will be provided through the World Bank's SAIGE Project. As with the implementation results reports, the timing of mandatory EDP workshops and meetings of the Strategy Implementation Working Group will be coordinated with the timing of the external evaluation, to enable all actors to participate with their inputs and to further ensure transparency of the entire evaluation process.

ANALYSIS OF FINANCIAL EFFECTS



The Action Plan for the implementation of the Smart Specialization Strategy in the Republic of Serbia for the period 2021–2022 covers the period from 2021 to 2022, and the funds are or will be provided from the budget of the Republic of Serbia and from donor funds. Activities in the Action Plan are coordinated with the activities of donors (EU, World Bank, USAID, UNDP), so that donor funds are included in its implementation.

In addition to MoESTD, the key actors for the implementation of activities within the implementation of measures include the Innovation Fund – IF, the Science Fund of the Republic of Serbia – Science Fund of RS, Centre for the Promotion of Science – CPS, Republic Public Policy Secretariat – RPPS, Ministry of Economy, Development Agency of Serbia – DAS, Ministry of Culture and Information, Office for Information Technologies and e-Government – OITEG, Ministry of Agriculture, Forestry and Water Management – MoAFW, Ministry of Trade, Tourism and Telecommunications – MTTT, Serbian Chamber of Commerce and Industry – CCIS and Ministry of Finance.

Individual measures and activities, with estimated funds for their implementation, which contribute to the achievement of specific goals defined by the Action Plan, are presented in detail in tabular form within the Action Plan itself.

For the achievement of specific objective 1: Focusing scientific activity on 4S priorities, within Heading 26 – MoESTD, funds will be allocated within the following appropriations:

- Programme 0007 (Heading 26) – Funds are allocated within the existing budget – regular allocations of MoESTD, no special funding is required, the measure refers to the monitoring of indicators;
- Programme 0006 (Heading 26) – Support to the operation of the Centre for the Promotion of Science. Funds are allocated within the existing budget of the Centre for the Promotion of Science;
- IPA 2019 Programme (Heading 26) – Financial Agreement between the European Commission, on behalf of the European Union, on the one hand, and the Republic of Serbia, represented by the Government, on the other hand, regarding the IPA Action Programme for the Republic of Serbia for the year 2019. Funds will be distributed by the Law on the Budget of the Republic of Serbia for the year 2022;
- Programme 0013 (Heading 26) – Support to the operation of the Science Fund of the RS. Funds are allocated within the existing budget of the Science Fund.

For the achievement of specific objective 2: Economic development supported through innovation, research and development and cooperation among the participants of the quadruple helix, within Heading 26 – MoAFW, within Heading 21 – Ministry of Economy, within Heading 24 – MoAFW, within

Heading 38 – Republic Public Policy Secretariat and within Heading 29 – Ministry of Culture and Information, funds will be allocated within the following appropriations:

- Programme 0005 (Heading 26) – Support to the operation of the IF. Funds are allocated within the existing IF budget;
- Programme 4004 (Heading 26) – IPA 2018 – Competitiveness, Direct IF grant. Funds will be allocated within the existing budget to 4S priorities. The projected funds concerning the IPA 18 programme activity refer to the total estimated contractually committed funds and are related to the proposed indicators for this measure;
- Programme 4011 (Heading 26) – World Bank’s SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project – MoESTD and IF components. Funds have been allocated and the implementation of activities has begun;
- Programme 4005 (Heading 24) – IPARD measure: Technical assistance. Incorporation of smart specialization priorities into the IPARD programme for the Republic of Serbia for the programming period from 2022. Funds are allocated within the existing budget;
- Programme 7047 (Heading 38) – Competitiveness and Jobs (C&J) Project – MoESTD components. Funds are allocated within the existing budget;
- (Heading 29) – Funds are allocated within the existing budget;
- (Heading 21) – No funds needed.

For the achievement of specific objective 3: Education focussed on innovation and entrepreneurship, within Heading 26 – MoESTD and within Heading 24 – MoAFW funds will be allocated within the following appropriations:

- Programme 0001 (Heading 24) – Support to the realization of general interest in scientific and research activity. No funds have been allocated, the measure is awareness-raising and educational;
- Programme 0014 (Heading 26) – Support to higher education;
- Programme (Heading 26) – Support for the implementation of master studies at universities. Funds are allocated within the existing budget;
- Programme 4011 (Heading 26) – World Bank’s SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project – MoESTD component. Funds have been allocated.

For the achievement of specific objective 4: Improved business conditions through optimization and digitalization of procedures, within Heading 26 – MoESTD, within Heading 21 – Ministry of Economy, within Heading 38 – RPPS and within Heading 3.24 – OITEG, funds will be allocated within the following appropriations:

- Programme 0001 (Heading 3.24) – Development of IT and e-government systems. Funds are allocated within the existing budget;
- IPA 2019 Programme – Financial Agreement between the European Commission, on behalf of the European Union, on the one hand, and the Republic of Serbia, represented by the Government, on the other hand, regarding the IPA Action Programme for the Republic of Serbia for the year 2019. Funds will be distributed by the Law on the Budget of the Republic of Serbia for the year 2022;
- Programme 7047 (Heading 38) – Competitiveness and Jobs (C&J) Project – MoESTD components. Funds are allocated within the existing budget;
- Programme 4011 (Heading 26) – World Bank’s SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project – MoESTD component. Funds are allocated within the existing budget.

For the achievement of specific objective 5: Internationalization of the economy through inclusion in regional and global value chains in 4S areas, within Heading 26 – MoESTD, within Heading 17 – Ministry of Foreign Affairs and within Heading 21 – Ministry of Economy, funds will be allocated within the following appropriations:

- Programme 0007 (Heading 26) – Funds are allocated within the existing budget – regular allocations of MoESTD, no special funding is required;
- Programme 1509 (Heading 21) – Incentives for the development of economic competitiveness. Funds will be allocated within the existing budget;
- Programme 1510 – (Heading 21) – Attracting investment;
- (Heading 17) – Support to the Cultural and Information Centre in London.

Note: Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank’s SAIGE Project approved under the Loan Agreement (Serbia Accelerating Innovation and Growth Entrepreneurship Project), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law Ratifying the Loan Agreement (“Official Gazette of the RS – International Agreements”, No. 3/20). In addition, the European Commission, considering the World Bank as a reliable partner, has decided to implement its donor funds from IPA 2019 for Competitiveness, through the World Bank within the components defined by the SAIGE Project.

Table 3. Framework for monitoring the implementation of measures and achievement of 4S goals at the level of priority areas²

Priority area: Food for Future					
Expected effects: Added value increased in the food production chain					
Outcome indicator	Unit	Verification source	Baseline	Baseline year	Target value in 2022
Total revenues from the sale of products and services in the Food for Future area (market value)	Mill. EUR	Statistical Office of the Republic of Serbia – SORS	6,241	2019	6,750
Total value added per employee in the Food for Future area	EUR	SORS	17,352	2019	18,800
Total exports in the Food for Future area	Mill. EUR	SORS	2,932	2019	3,200
Share of companies that have investments in R&D in the total number of companies in the Food for Future area	%	SORS	1.5	2019	2.5
Number of employees in the Food for Future area	Number	SORS	97,638	2019	105,000
Share of innovative companies in the total number of companies in the Food for Future area	%	SORS	59.2	2019	62

² The methodological framework for monitoring 4S indicators is defined in Annex 1 of the Action Plan;

Priority area: Information and Communication Technologies

Expected effects: Domestic ICT market developed

Outcome indicator	Unit	Verification source	Baseline	Baseline year	Target value in 2022
Total revenues from the sale of products and services in the ICT area (market value)	Mill. EUR	SORS	3,890	2019	4,200
Total value added per employee in the ICT area	EUR	SORS	37,662	2019	40,000
Total exports of ICT products and services	Mill. EUR	SORS	841	2019	950
Share of companies that have investments in R&D in the total number of companies in the ICT area	%	SORS	2	2019	3.5
Number of employees in the ICT area	Number	SORS	52,086	2019	56,500
Share of innovative companies in the total number of companies in the ICT area	%	SORS	66.5	2019	70

Priority area: Creative Industries

Expected effects: Strengthening creative industries through focus on intellectual property protection

Outcome indicator	Unit	Verification source	Baseline	Baseline year	Target value in 2022
Total revenues from the sale of products and services in the Creative Industries area (market value)	Mill. EUR	SORS	2,155	2019	2,400
Total value added per employee in the Creative Industries area	EUR	SORS	24,610	2019	27,000
Total exports in the Creative Industries area	Mill. EUR	SORS	64	2019	75
Share of companies that have investments in R&D in the total number of companies in the Creative Industries area	%	SORS	1.7	2019	3
Number of employees in the Creative Industries area	Numbert	SORS	37,423	2019	40,000
Share of innovative companies in the total number of companies in the Creative Industries area	%	SORS	63.7	2019	66

Priority area: Future Machines and Manufacturing Systems

Expected effects: Enhanced R&D capacities of the business sector through cooperation of science and economy

Outcome indicator	Unit	Verification source	Baseline	Baseline year	Target value in 2022
Total revenues from the sale of products and services in the Future Machines and Manufacturing Systems area (market value)	Mill. EUR	SORS	3,808	2019	4,200
Total value added per employee in the Future Machines and Manufacturing Systems area	EUR	SORS	12,819	2019	15,000
Total exports in the Future Machines and Manufacturing Systems area	Mill. EUR	SORS	4,794	2019	5,150
Share of companies that have investments in R&D in the total number of companies in the Future Machines and Manufacturing Systems area	%	SORS	3.7	2019	4.5
Number of employees in the Future Machines and Manufacturing Systems area	Number	SORS	83,342	2019	87,000
Share of innovative companies in the total number of companies in the Future Machines and Manufacturing area	%	SORS	68.1	2019	71

Table 4. Framework for monitoring output indicators at the level of priority areas³

Priority area: Food for Future		
Output indicator	Unit	Verification source
Number of companies that responded to calls for funding 4S projects and funding through other support schemes	Number	MoESTD
Number of projects awarded to companies	Number	MoESTD
Number of projects awarded to scientific and research organisations	Number	MoESTD
Number of joint projects (economy and academia)	Number	MoESTD
Projects award rate (Food for Future)	%	MoESTD
Input indicator (financial resources)	Unit	Verification source
Total financial resources invested into projects and schemes	EUR	MoESTD

Priority area: Information and Communication Technologies		
Output indicator	Unit	Verification source
Number of companies that responded to calls for funding 4S projects and funding through other support schemes	Number	MoESTD
Number of projects awarded to companies	Number	MoESTD
Number of projects awarded to scientific and research organisations	Number	MoESTD
Number of joint projects (business and academia)	Number	MoESTD
Projects award rate (ICT)	%	MoESTD
Input indicator (financial resources)	Unit	Verification source
Total financial resources invested into projects and schemes	EUR	MoESTD

³ Output indicators at the level of priority areas will be monitored *ex post*;

Priority area: Creative Industries		
Output indicator	Unit	Verification source
Number of companies that responded to calls for funding 4S projects and funding through other support schemes	Number	MoESTD
Number of projects awarded to companies	Number	MoESTD
Number of projects awarded to scientific and research organisations	Number	MoESTD
Number of joint projects (economy and academia)	Number	MoESTD
Projects award rate (Creative Industries)	%	MoESTD
Input indicator (financial resources)	Unit	Verification source
Total financial resources invested into projects and schemes	EUR	MoESTD

Priority area: Future Machines and Manufacturing Systems		
Output indicator	Unit	Verification source
Number of companies that responded to calls for funding 4S projects and funding through other support schemes	Number	MoESTD
Number of projects awarded to companies	Number	MoESTD
Number of projects awarded to scientific and research organisations	Number	MoESTD
Number of joint projects (business and academia)	Number	MoESTD
Projects award rate (Future Machines and Manufacturing Systems)	%	MoESTD
Input indicator (financial resources)	Unit	Verification source
Total financial resources invested into projects and schemes	EUR	MoESTD

Table 5. Action Plan for the period 2021–2022 for the implementation of the Smart Specialisation Strategy in the Republic of Serbia for the period 2020–2027.

PP document:	Action Plan for the period 2021–2022 for the implementation of the Smart Specialisation Strategy in the Republic of Serbia for the period 2020–2027.					
Action Plan:	Action Plan for the period 2021–2022 for the implementation of the Smart Specialisation Strategy in the Republic of Serbia for the period 2020–2027.					
Coordination and reporting:	MoESTD					
PP umbrella document:	/					
General goal: Directed development of the Republic of Serbia towards a highly competitive economy through research, development, innovations, and entrepreneurial initiatives in the 4S areas						
Monitoring and oversight entity: MoESTD						
Indicator(s) at the general goal level (impact indicators)	Unit	Verification source	Baseline	Baseline year	Target value in 2022	Last year of AP validity
Gross expenditures on R&D as percentage of GDP	%	SORS	0.89	2019	1.1	2022
Value Added per employee	EUR	SORS	15,540	2018	17,000	2022
Employment in medium - and high-tech industries as percentage of total employment	%	Eurostat	5	2019	5.5	2022
Employment in knowledge-intensive services as percentage of total employment	%	Eurostat	27.4	2019	28.5	2022
Share of high-tech exports in the total exports	%	Eurostat	1.9	2018	2.2	2022
Business expenditures on R&D as percentage of GDP	%	SORS	0.35	2019	0.45	2022
Entrepreneurial culture index	Number	GCI	47,4	2019	48,5	2022

Specific objective 1: R&D activities focused on 4S priorities					
Monitoring and oversight entity: MoESTD					
Indicator(s) at the specific objective level (outcome indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2022
Share of R&D papers in 4S fields in the total number of R&D papers on an annual basis	%	MoESTD	26.5	2019	30
Share of citations in the total world citations on an annual basis	%	Web of Science	0.202	2019	0.23
Share of citations in 4S areas in the total world citations on an annual basis	%	Web of Science	0.24	2019	0.28
Total number of citations per year of researchers in the Republic of Serbia	Number	Web of Science	215,504	2019	250,000
Total number of citations in 4S areas per year	Number	Web of Science	36,080	2019	45,000
Total number of international projects in which domestic researchers participated (aggregate: H2020 + HEU)	Number	MoESTD	67	2019	145 ⁴
Total number of international projects in which domestic researchers participated (COST)	Number	MoESTD	37	2019	114 ⁵
Total number of international projects in which domestic researchers participated (EUREKA)	Number	MoESTD	9	2019	29 ⁶
Share of funds from abroad for R&D in total R&D financing	%	SORS	21,6	2019	25
Share of published papers with foreign co-authors in the total number of published papers in 4S areas on an annual basis	%	Web of Science	44.7	2019	50

⁴ Target value for this indicator implies cumulative value (2020 + 2021 + 2022);

⁵ Target value for this indicator implies cumulative value (2020 + 2021 + 2022);

⁶ Target value for this indicator implies cumulative value (2020 + 2021 + 2022);

Policy measure 1.1: Competitive calls aimed at 4S areas within the "Development" programme						
Entity responsible for the implementation (coordination of implementation) of the measure: Science Fund; MoESTD						
Implementation period: 2021-2022				Type of policy measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported projects (per year)	Number	Science Fund	0	2021	0	60
Number of researchers involved (per year)	Number	Science Fund	0	2021	0	800

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
World Bank's SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project, including MoESTD IPA 2019	0201 – 4011	-	240,000

⁷ Financial Agreement between the European Commission, on behalf of the European Union, on the one hand, and the Republic of Serbia, represented by the Government, on the other hand, regarding the IPA Action Programme for the Republic of Serbia for the year 2019. Funds will be distributed by the Law on the Budget of the Republic of Serbia for the year 2022;

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
1.1.1. Development of criteria for calls according to the findings of the smart specialization strategy	Science Fund	World Bank	Q3 2021	World Bank's SAIGE Project	0201 - 4011	-	-
1.1.2. Stakeholder consultations within EDP	MoESTD	World Bank	Q3 2021	World Bank's SAIGE Project	0201 - 4011	-	-
1.1.3. Publishing of calls and selection of applied ⁸ projects	Science Fund	World Bank's SAIGE Project	Q4 2021, Q1 2022	World Bank's SAIGE Project, IPA 2019	0201 - 4011	0	240.000
1.1.4. Evaluation of calls	Science Fund	World Bank's SAIGE Project	Q2 and Q3 2022	World Bank's SAIGE Project	0201 - 4011	-	-

⁸ The Science Fund withdraws project loan funds to a special dedicated account opened with the NBS, in accordance with the SAIGE Agreement and the Supplementary Agreement concluded by the Science Fund with the Republic of Serbia as a borrower (signed by the minister of finance and the minister of education, science and technological development);

Policy measure 1.2: Programme for the development of projects in the field of artificial intelligence						
Entity responsible for the implementation (coordination of implementation) of the measure: Science Fund; MoESTD						
Implementation period: 2021-2022				Type of policy measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported basic research projects (per year)	Number	Science Fund	6	2020	6	6
Number of supported applied research projects (per year)	Number	Science Fund	6	2020	6	6
Number of researchers involved (per year)	Number	Science Fund	119	2020	119	119

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MoESTD	0201 - 0013	116,400	62,400
World Bank's SAIGE Project, Loan Agreement - Serbia Accelerating Innovation and Growth Entrepreneurship Project ⁹	0201 - 4011	-	-

⁹ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank's SAIGE Project approved under the Loan Agreement (Serbia Accelerating Innovation and Growth Entrepreneurship Project), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law Ratifying the Loan Agreement ("Official Gazette of the RS – International Agreements", No. 3/20);

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
1.2.1. Development of call criteria	Science Fund	-	Q2 2022	RS budget	0201 - 0013	-	-
1.2.2. Publishing of calls and selection of applied projects	Science Fund	-	Q3 2022	RS budget	0201 - 0013	116,400	62,400
1.2.3. Evaluation of calls	Science Fund	World Bank	Q4 2022	World Bank's SAIGE Project	0201 - 4011	-	-

Policy measure 1.3: Adoption of regulations to govern the amount of institutional funding to R&D organisations to promote relevance and excellence in 4S fields

Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD

Implementation period: 2021-2022

Type of policy measure: Regulatory

Regulations to be amended/adopted to implement the measure:

Programme on institutional financing of institutes

Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Document that will regulate the allocation of institutional funding for R&D organisations adopted	0 - No 1 - Yes	MoESTD	0	2020	1	-

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MoESTD regular allocations	0201 - 0007	0	0

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
1.3.1. Preparation of the Programme on institutional financing of institutes	MoESTD	-	Q2 2021	RS budget	0201 - 0007	-	-

Policy measure 1.4: A programme to support experimental and innovative projects that combine art and science/technology

Entity responsible for the implementation (coordination of implementation) of the measure: Centre for the Promotion of Science (MoESTD)

Implementation period: 2020-2022

Type of policy measure: Incentive

Regulations to be amended/adopted to implement the measure:

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Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported projects (per year)	Number	CPS	3	2020	3	4
Number of researchers involved (per year)	Number	CPS	15	2020	18	24

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
Budget of the Republic of Serbia CPS	0201 - 0006	1,800	2,400

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
1.4.1. Call for submission of applications for the programme to support experimental and innovative projects that combine art and science/ technology	CPS	-	Q2 2021	RS budget	0201 - 0006	1,800	2,400

Policy measure 1.5: Amendments to the Rulebook on the procedure, manner of evaluation and quantitative presentation of scientific research results of researchers

Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD

Implementation period: 2021

Type of policy measure: Regulatory

Regulations to be amended/adopted to implement the measure:

Rulebook on acquisition of research and scientific titles ("Official Gazette of RS" No. 159.20)

Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Amendments to the Rulebook on the procedure, manner of evaluation and quantitative presentation of scientific research results of researchers adopted	0 - No 1 - Yes	MoESTD	0	2020	1	-

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget MoESTD regular allocations	0201 - 0007	0	0

World Bank SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project ¹⁰	0201 – 4011	-	-
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Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
1.5.1. Analysis of the draft rulebook relative to the goals of the Smart Specialization Strategy	MoESTD	-	Q4 2021	RS budget	0201 - 0007	-	-
1.5.2. Stakeholder consultations within EDP	MoESTD	World Bank	Q4 2021	World Bank's SAIGE Project	0201-4011	-	-
1.5.3. Adoption of the Rulebook	MoESTD	-	Q4 2021	RS budget	0201 - 0007	-	-

¹⁰ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank's SAIGE Project approved under the Loan Agreement (Serbia Accelerating Innovation and Growth Entrepreneurship Project), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law Ratifying the Loan Agreement ("Official Gazette of the RS – International Agreements", No. 3/20);

Policy measure 1.6: Research infrastructure support programme (Infrastructure Programme)						
Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD, Science Fund						
Implementation period: 2021-2022				Type of policy measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported projects (per year)	Number	Science Fund	0	2020	60	/

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
World Bank SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project ¹¹	0201 – 4011	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
1.6.1. Development of criteria for calls according to the findings of the smart specialization strategy	Science Fund of the RS	World Bank's SAIGE Project	Q2 2021	World Bank's SAIGE Project	0201 – 4011	-	-

¹¹ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank's SAIGE Project approved under the Loan Agreement (Serbia Accelerating Innovation and Growth Entrepreneurship Project), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law Ratifying the Loan Agreement ("Official Gazette of the RS – International Agreements", No. 3/20);

1.6.2. Stakeholder consultations within EDP	MoESTD	World Bank's SAIGE Project	Q2 2021	World Bank's SAIGE Project	0201 - 4011	-	-
1.6.3. Publication and implementation of calls	Science Fund	World Bank's SAIGE Project	Q2 2021	World Bank's SAIGE Project	0201 - 4011	-	-
1.6.4. Evaluation of calls	Science Fund	World Bank's SAIGE Project	Q3/Q4 2021	World Bank's SAIGE Project	0201 - 4011	-	-

Specific objective 2: Economic growth supported through innovation, research and development and cooperation among quadruple helix participants

Monitoring and oversight entity: MoESTD

Indicator(s) at the specific objective level (outcome indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2022
Index of cooperation among the quadruple helix participants	Number	GCI	3,6	2019	3.75
Number of developed innovative products or services created as a result of supported projects	Number	IF	196	2019	435
Total number of technology transfers as an outcome of the proof of concept programme	Number	IF	0	2019	7
Survival rate of supported start-ups after 2 years	%	IF	83	2019	85
Average annual growth rate of funded start-ups	%	IF	20	2019	25
Total number of newly-created public-private partnerships established through 4S funding schemes	Number	IF	0	2019	10
Number of newly-founded start-ups through calls of the Innovation Fund - IF	Number	IF	68	2019	100

Policy measure 2.1: 4S voucher programme						
Entity responsible for the implementation (coordination of implementation) of the measure: Innovation Fund, MoESTD						
Implementation period: 2020-2022				Type of policy measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of newly-awarded innovation vouchers during the year	Number	IF	118	2020	354	554
4S funding / total funding ratio	%	IF	72	2020	73	73

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MoESTD	0201 - 0005	120,000	120,000
World Bank SAIGE Project, Loan Agreement - Serbia Accelerating Innovation and Growth Entrepreneurship Project ¹²	0201 - 4011	-	-
World Bank's Competitiveness and Jobs Project (C&J) ¹³	0610-7047	-	-

¹² Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank's SAIGE Project approved under the Loan Agreement (Serbia Accelerating Innovation and Growth Entrepreneurship Project), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law Ratifying the Loan Agreement ("Official Gazette of the RS - International Agreements", No. 3/20);

¹³ World Bank's Competitiveness and Jobs Project - Funds for EDP have been allocated within measure 2.13, and also relate to activity 2.1.2;

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.1.1. Development of criteria for calls according to the findings of the smart specialization strategy	IF	World Bank	Q2 2021	World Bank's SAIGE Project	0201-4011	-	-
2.1.2. Stakeholder consultations within EDP	MoESTD	World Bank	Q3 2021	World Bank's SAIGE Project World Bank's C&J Project	0201-4011 0610-7047	¹⁴	-
2.1.3. Publication and implementation of calls	IF	-	Q3 2021	RS budget	0201-0005	120,000	120,000
2.1.4. Evaluation of calls	IF	World Bank	Q4 2022	World Bank's SAIGE Project	0201-4011	-	-

Policy measure 2.2: Programme of the Innovation Fund to co-finance cooperation between R&D entities and businesses in 4S areas (Collaborative Grant Scheme Programme)

Entity responsible for the implementation (coordination of implementation) of the measure: Innovation Fund, MoESTD

Implementation period: 2021-2022

Type of policy measure: Incentive

Regulations to be amended/adopted to implement the measure:

/

Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported consortia	Number	IF	0	2020	20	40
4S funding / total funding ratio	%	IF	0	2020	50	55

¹⁴ Funds for EDP workshops have been allocated and listed under measure 2.13;

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget	0201 - 0005	290,000	290,000
MoESTD IPA 2018 ¹⁵	0201 - 4004	82,084	175,000
World Bank SAIGE Project, Loan Agreement - Serbia Accelerating Innovation and Growth Entrepreneurship Project ¹⁶	0201 - 4011	-	-
World Bank's Competitiveness and Jobs Project (C&J) ¹⁷	0610 - 7047	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.2.1. Development of criteria for calls according to the findings of the smart specialization strategy	IF	World Bank	Q2 2021	World Bank's SAIGE Project	0201-4011	-	-

¹⁵ The projected funds concerning the IPA 18 programme activity refer to the total estimated contractually committed funds and are related to the proposed indicators for this measure;

¹⁶ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank's SAIGE Project approved under the Loan Agreement (Serbia Accelerating Innovation and Growth Entrepreneurship Project), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law Ratifying the Loan Agreement ("Official Gazette of the RS – International Agreements", No. 3/20);

¹⁷ World Bank's Competitiveness and Jobs Project – Funds for EDP have been allocated within measure 2.13, and also relate to activity 2.2.2;

2.2.2. Stakeholder consultations within EDP	MoESTD	World Bank	Q3 2021	World Bank's SAIGE Project World Bank's C&J Project	0201-4011 0610-7047	18	-
2.2.3. Publication and implementation of calls	IF	-	Q3 2021	RS budget EU IPA	0201 - 0005 0201 - 4004	290,000 82,084	290,000 175,000
2.2.4. Evaluation of calls	IF	World Bank	Q4 2022	World Bank's SAIGE Project	0201 - 4011	-	-

Policy measure 2.3: Innovation Fund Programme to co-finance innovative development projects of companies in 4S areas (Matching Grants Programme)

Entity responsible for the implementation (coordination of implementation) of the measure: Innovation Fund, MoESTD

Implementation period: 2020-2022

Type of policy measure: Incentive

Regulations to be amended/adopted to implement the measure:

/

Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported projects	Number	IF	14	2020	29	54
4S funding / total funding ratio	%	IF	50	2020	55	55

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget	0201 - 0005	-	290,000
IPA 2018 ¹⁹	0201 - 4004	82,083	175,000

¹⁸ Funds for EDP workshops have been allocated and listed under measure 2.13;

¹⁹ The projected funds concerning the IPA 18 programme activity refer to the total estimated contractually committed funds and are related to the proposed indicators for this measure;

World Bank's SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project ²⁰	0201 - 4011	-	-
World Bank's Competitiveness and Jobs Project (C&J) ²¹	0610 - 7047	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.3.1. Development of criteria for calls according to the findings of the smart specialization strategy	IF	World Bank	Q2 2021	World Bank's SAIGE Project	0201-4011	-	-
2.3.2. Stakeholder consultations within EDP	MoESTD	World Bank	Q3 2021	World Bank's SAIGE Project World Bank's C&J Project	0201-4011 0610-7047	²²	-
2.3.3. Publication and implementation of calls	IF	-	Q3 2021	RS budget EU IPA	0201 - 0005 0201 - 4004	- 82,083	290,000 175,000
2.3.4. Evaluation of calls	IF	World Bank	Q4 2022	World Bank's SAIGE Project	0201-4011	-	-

²⁰ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank's SAIGE Project approved under the Loan Agreement (Serbia Accelerating Innovation and Growth Entrepreneurship Project), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law Ratifying the Loan Agreement ("Official Gazette of the RS – International Agreements", No. 3/20);

²¹ World Bank's Competitiveness and Jobs Project – Funds for EDP have been allocated within measure 2.13, and also relate to activity 2.3.2;

²² Funds for EDP workshops have been allocated and listed under measure 2.13;

Policy measure 2.4: Accelerator in the Innovation Fund, a sub-programme intended for start-ups in 4S areas						
Entity responsible for the implementation (coordination of implementation) of the measure: Innovation Fund, MoESTD						
Implementation period: 2021-2022				Type of policy measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
4S funding / total funding ratio	%	IF	0	2020	50	50
Number of supported companies	Number	IF	0	2020	10	25

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget	0201 - 0005	40,000	60,000
World Bank's SAIGE Project, Loan Agreement - Serbia Accelerating Innovation and Growth Entrepreneurship Project ²³	0201 - 4011	-	-

²³ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank's SAIGE Project approved under the Loan Agreement (Serbia Accelerating Innovation and Growth Entrepreneurship Project), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law Ratifying the Loan Agreement ("Official Gazette of the RS – International Agreements", No. 3/20);

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.4.1. Development of criteria for calls according to the findings of the smart specialization strategy	IF	World Bank	Q2 2021	World Bank's SAIGE Project	0201-4011	-	-
2.4.2. Stakeholder consultations within EDP	MoESTD	World Bank	Q3 2021	World Bank's SAIGE Project	0201-4011	-	-
2.4.3. Publication and implementation of calls	IF	-	Q3 2021	RS budget	0201 - 0005	40,000	60,000
2.4.4. Evaluation of calls	IF	World Bank	Q4 2022	World Bank's SAIGE Project	0201-4011	-	-

Policy measure 2.5: Proof of Concept Programme for researchers at R&D facilities						
Entity responsible for the implementation (coordination of implementation) of the measure: Innovation Fund, MoESTD						
Implementation period: 2020-2022				Type of policy measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of approved projects (per year)	Number	IF	93	2020	93	93
Number of researchers involved (per year)	Number	IF	413	2020	413	413

Source of measure funding	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget	0201 - 0005	153,000	-
World Bank's SAIGE Project, Loan Agreement - Serbia Accelerating Innovation and Growth Entrepreneurship Project ²⁴	0201 - 4011	-	-
World Bank's Competitiveness and Jobs Project (C&J) ²⁵	0610 - 7047	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.5.1. Development of criteria for calls according to the findings of the smart specialization strategy	IF	World Bank	Q2 2021	World Bank's SAIGE Project	0201-4011	-	-
2.5.2. Stakeholder consultations within EDP	MoESTD	World Bank	Q3 2021	World Bank's SAIGE Project World Bank's C&J Project	0201-4011 0610-7047	²⁶	-

²⁴ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank's SAIGE Project approved under the Loan Agreement (Serbia Accelerating Innovation and Growth Entrepreneurship Project), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law Ratifying the Loan Agreement ("Official Gazette of the RS – International Agreements", No. 3/20);

²⁵ World Bank's Competitiveness and Jobs Project – Funds for EDP have been allocated within measure 2.13, and also relate to activity 2.5.2;

²⁶ Funds for EDP workshops have been allocated and listed under measure 2.13;

2.5.3. Publication and implementation of calls	IF	-	Q3 2021	RS budget	0201-0005	153,000	-
2.5.4. Evaluation of calls	IF	World Bank	Q4 2021	World Bank's SAIGE Project	0201-4011	-	-

Measure 2.6: Mini Grants Programme						
Entity responsible for the implementation (coordination of implementation) of the measure: Innovation Fund, MoESTD						
Implementation period: 2020-2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Ratio of financing 4S / total financing	%	IF	50	2020	60	60
Number of supported start-ups	Number	IF	21	2020	91	161

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MoESTD	0201 - 0005	192,000	192,000
MoESTD IPA 2018 ²⁷	0201 - 4004	82,083	175,000

²⁷ The projected funds related to the IPA 18 program activity refer to the total estimated contracted funds and are related to the proposed indicators for this measure;

World Bank SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project in the Republic of Serbia ²⁸	0201 – 4011	-	-
World Bank Competitiveness and Jobs Project “C&J”	0610 – 7047	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.6.1. Development of call criteria according to the findings of the smart specialisation strategy	IF	World Bank	Q2 2021	World Bank SAIGE Project	0201-4011	-	-
2.6.2. Stakeholder consultations within EDP	MoESTD	World Bank	Q3 2021	World Bank SAIGE Project World Bank C&J Project	0201-4011 0610-7047	²⁹	-
2.6.3. Announcement and implementation of calls	IF	-	Q3 2021	RS budget	0201 – 0005 0201 – 4004	192,000 82,083	192,000 175,000
2.6.4. Evaluation of calls	IF	World Bank	Q4 2022	World Bank SAIGE Project	0201-4011	-	-

²⁸ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement (“Official Gazette of the RS – International Agreements”, No. 3/20);

²⁹ Funds for holding EDP workshops have been determined and listed under measure 2.13;

Measure 2.7: Incentives for research and development within the agricultural and food industry						
Entity responsible for the implementation (coordination of implementation) of the measure: MAFWM						
Implementation period: 2021-2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				Rulebook on Incentives for Improving the System of Creation and Transfer of Knowledge through the Development of Technical-Technological, Applied, Developmental and Innovative Projects in Agriculture and Rural Development ("Official Gazette of the RS", No. 76/20).		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of signed contracts (per year)	Number	MAFWM	21	2020	30	30

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MAFWM	0103 - 0002	180,000	180,000
RS budget - MAFWM regular allocations / salaries of employees	0	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.7.1. Development of call criteria according to the findings of the smart specialisation strategy	MAFWM	MoESTD	Q2 2021	RS budget	-	-	-

2.7.2. Amendment to the Rulebook on Incentives for Improving the System of Creation and Transfer of Knowledge through the Development of Technical-Technological, Applied, Developmental and Innovative Projects in Agriculture and Rural Development	MAFWM	MoESTD	Q2 2021	RS budget	-	-	-
2.7.3. Stakeholder consultations within EDP	MoESTD	MAFWM	Q3 2021	RS budget	-	-	-
2.7.4. Announcement and implementation of calls	MAFWM	MoESTD	Q3 2021	RS budget	0103-0002	180,000	180,000
2.7.5. Evaluation of calls	MAFWM	MoESTD	Q4 2022	RS budget	-	-	-

Measure 2.8: Pilot project of connecting fast-growing companies in the food industry with the sectors of creative industries and ICT						
Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD						
Implementation period: 2021-2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported companies (annually)	Number	MoESTD	2	2020	2	/

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
USAID – donor funds	-	4,680	-
World Bank SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project in the Republic of Serbia ³⁰	0201 – 4011	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.8.1. Evaluation of pilot call and proposal of criteria for the new call	MoESTD	World Bank, USAID, IF	Q2 2021	World Bank SAIGE Project	0201-4011	-	-
2.8.2. Announcement of a new call with improved criteria	MoESTD	USAID, IF	Q2 2021	USAID	-	4,680	-
2.8.3. Evaluation of calls and proposal for inclusion in MoESTD programmes through a new call of IF	MoESTD	World Bank, USAID, IF	Q4 2022	World Bank SAIGE Project	0201-4011	-	-

³⁰ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement (“Official Gazette of the RS – International Agreements”, No. 3/20);

Measure 2.9: Competitive call to further stimulate research contracts in 4S areas between SRO and research beneficiaries (Innovation Programme)

Entity responsible for the implementation (coordination of implementation) of the measure: Science Fund, MoESTD

Implementation period: 2021-2022

Type of measure: Incentive

Regulations to be amended/adopted to implement the measure:

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Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of research contracts	Number	Science Fund	0	2020	30	30
Number of researchers	Number	Science Fund	0	2020	350	350

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
World Bank SAIGE Project, Loan Agreement - Innovation Acceleration Project and Encouragement of Entrepreneurship Growth in the Republic of Serbia ³¹	0201 - 4011	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.9.1. Development of call criteria according to the findings of the smart specialisation strategy	Science Fund	World Bank	2022	World Bank SAIGE Project	0201-4011	-	-
2.9.2. Stakeholder consultations within EDP	MoESTD	World Bank	2022	World Bank SAIGE Project	0201-4011	-	-

Measure 2.10: Development of a public procurement system aimed at procurement for innovative solutions with piloting in 4S (Pilot)						
Entity responsible for implementation (coordination of implementation) of the measure: PPSP, MoESTD, IF						
Implementation period: 2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of conducted pilot public procurements	Number	MoESTD	0	2020	0	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MoESTD regular allocations	0201 - 0007	-	-
World Bank SAIGE Project, Loan Agreement - Serbia Accelerating Innovation and Growth Entrepreneurship Project in the Republic of Serbia ³²	0201 - 4011	-	-

³¹ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement ("Official Gazette of RS - International Agreements", No. 3/20);

³² Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement ("Official Gazette of the RS - International Agreements", No. 3/20);

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.10.1. Forming a working group for implementation of innovative public procurements	MoESTD	PPS, Public Procurement Administration, Ministry of Finance, IF	Q4 2021	RS budget	0201 - 0007	-	-
2.10.2. Definition of call criteria	MoESTD	PPS, Public Procurement Administration, Ministry of Finance, IF	Q3 2022	RS budget	0201 - 0007	-	-
2.10.3. Identifying an appropriate pilot project	MoESTD	PPS, Public Procurement Administration, Ministry of Finance, IF	Q3 2022	RS budget	0201 - 0007	-	-
2.10.4. Implementation of calls	MoESTD	PPS, Public Procurement Administration, Ministry of Finance, IF	Q4 2022	RS budget	0201 - 0007	-	-
2.10.5. Evaluation of calls	MoESTD	World Bank, IF	Q4 2023	World Bank SAIGE Project	0201 - 4011	-	-

Measure 2.11: Creative hub - "Ložionica"						
Entity responsible for the implementation (coordination of implementation) of the measure: Ministry of Culture and Information						
Implementation period: 2021-2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Architectural solution made	0 - No 1 - Yes	Ministry of Culture and Information	0	2020	0	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
Credit CEB (in accordance with the loan agreement)	-	17,550	819,000

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.11.1. Forming a project team of the office for public investments	Ministry of Culture and Information / Office for Public Investments	Office of the Prime Minister, Office Serbia Creates	2021	Council of Europe Development Bank	-	-	-
2.11.2. Development of an architectural solution and the beginning of works	Ministry of Culture and Information	Office of the Prime Minister, Office Serbia Creates	2021-2022	Council of Europe Development Bank	-	17,550	819,000

2.11.3. Development of programme strategy and annual programme	Ministry of Culture and Information	Office of the Prime Minister, Office Serbia Creates	2021	Council of Europe Development Bank	-	-	-
2.11.4. Beginning of implementation	Ministry of Culture and Information	Office of the Prime Minister, Office Serbia Creates	2022	Council of Europe Development Bank		-	-

Measure 2.12: Publicly available Roadmap of research infrastructure and within it the types of research needed by the economy, which are relevant for 4S, and which can be done in the Republic of Serbia

Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD

Implementation period: 2021-2022

Type of measure: Informative and educational

Regulations to be amended/adopted to implement the measure:

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Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
The Roadmap of Research Infrastructures publicly available and functional	0 - No 1 - yes	MoESTD	0	2020	1	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MoESTD regular allocations	0201 - 0007	0	0

World Bank SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project in the Republic of Serbia ³³	0201 – 4011	-	-
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Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.12.1. Updating the Roadmap of Research Infrastructures for 2018	MoESTD	World Bank	Q4 2021	World Bank SAIGE Project RS budget	0201-4011 0201-0007	-	-
2.12.2. Development of a digitalised publicly available database of research infrastructure in the areas of 4S	MoESTD	World Bank	Q4 2021	World Bank SAIGE Project	0201 – 4011	-	-

³³ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement (“Official Gazette of the RS – International Agreements”, No. 3/20);

Measure 2.13: Establishment of a framework and implementation of activities to improve the dialogue between the actors of the quadruple helix						
Entity responsible for the implementation (coordination of implementation) of the measure: PPS						
Implementation period: 2020-2022				Type of measure: Informative and educational		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of EDP workshops held (annually)	Number	MoESTD	1	2020	4	5
Number of new organisations included in EDP workshops (annually)	Number	MoESTD	0	2020	25	30

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
World Bank SAIGE Project, Loan Agreement - Innovation Acceleration Project and Encouragement of Entrepreneurship Growth in the Republic of Serbia ³⁴	0601-7047	5,500	-

³⁴ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement ("Official Gazette of the RS - International Agreements", No. 3/20);

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.13.1. Definition of EDP workshop plan	PPS	World Bank "SAIGE", World Bank Project "C&J"	Q2 2021	World Bank SAIGE Project, World Bank S&J Project	0201-4011 0610-7047	2,500	-
2.13.2. Campaign and call for the involvement of new stakeholders in the EDP	PPS	World Bank	Q2 2021	World Bank SAIGE Project, World Bank S&J Project	0201-4011 0610-7047	500	-
2.13.3. Implementation of EDP workshops	PPS	World Bank	Q4 2021	World Bank SAIGE Project, World Bank S&J Project	0201-4011 0610-7047	2,500	-

Measure 2.14: Popularisation and increased use of newly implemented tax relief packages for R&D						
Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD						
Implementation period: 2021-2022				Type of measure: Informative and educational		
Regulations to be amended/adopted to implement the measure:				Application of the provisions of Article 124 of the Law on Science and Researches		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of users of tax reliefs – physical persons	Number	Tax Administration of the Republic of Serbia	25,000	2020	27,000	30,000
Number of users of tax reliefs – legal persons	Number	Tax Administration of the Republic of Serbia	11,000	2020	11,500	12,000

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget – ME regular allocations	-	0	0
World Bank Competitiveness and Jobs Project C&J	0610 - 7047	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.14.1. Presentation of a package of tax reliefs at EDP workshops	MoESTD	World Bank	-	World Bank C&J Project	0610-7047	35	-

³⁵ Funds for holding EDP workshops have been determined and listed under measure 2.13;

2.14.2. Promotion of the brochure Guide through Measures of Support to Innovative Economy	Chamber of Commerce and Industry of Serbia	ME, IF, Intellectual Property Office, Science and Technology Parks Belgrade, Niš, Čačak and Novi Sad, Strategic Project Implementation Unit, Office of the Prime Minister	-	-	-	-	-
2.14.3. Updating and promotion of the Entrepreneurship Portal	ME	Strategic Project Implementation Unit, Office of the Prime Minister	-	RS budget	-	-	-
2.14.4. Online chatbox on use of incentives	Strategic Project Implementation Unit, Office of the Prime Minister	-	-	-	-	-	-
2.14.5. Advertising campaign to promote incentives	Strategic Project Implementation Unit, Office of the Prime Minister	-	-	-	-	-	-

2.14.6 Professional workshops with relevant target groups	Strategic Project Implementation Unit, Office of the Prime Minister	-	-	-	-	-	-
2.14.7 Development of Instructions for the use of incentives	Strategic Project Implementation Unit, Office of the Prime Minister	-	-	-	-	-	-

Measure 2.15: Analysis of needs and possibilities for the use of public research infrastructures by private entities in the areas of 4S

Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD

Implementation period: 2021-2022

Type of measure: Provision of goods and provision of services

Regulations to be amended/adopted to implement the measure:

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Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Published analysis	0 - No 1 - Yes	MoESTD	0	2020	0	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
World Bank SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project in the Republic of Serbia ³⁶	0201 - 4011	-	-

³⁶ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement ("Official Gazette of the RS - International Agreements", No. 3/20);

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.15.1. Development of an analysis of needs and opportunities for the use of public research infrastructures in the areas of 4S	MoESTD	World Bank UNDP	Q2 2022	World Bank SAIGE Project	0201 – 4011	0	-
2.15.2. Presentation of the analysis at EDP workshops	MoESTD	World Bank UNDP	Q3 2022	World Bank SAIGE Project	0201 – 4011	0	-
2.15.3. Development of a plan for a pilot programme for the use of public research infrastructures by the private sector in one of the priority areas	MoESTD	World Bank UNDP	Q4 2022	World Bank SAIGE Project	0201 – 4011	0	-

Measure 2.16: Investments in physical assets of agricultural holdings (IPARD measure 1)

Entity responsible for the implementation (coordination of implementation) of the measure: MAFWM

Implementation period: 2021-2022

Type of measure: Incentive

Regulations to be amended/adopted to implement the measure:

Rulebook on IPARD incentives for investments in physical property of agricultural holdings ("Official Gazette of the RS", Nos. 84/17, 112/17, 98/18 and 67/19).
Programme on amendments to the IPARD programme for the Republic of Serbia for the period 2014-2020 ("Official Gazette of the RS", Nos. 30/16, 84/17, 20/19 and 55/19).

Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported projects (annually)	Number	MAFWM	124	2020	200	289

Number of farms/ enterprises modernising their production (annually)	Number	MAFWM	103	2020	167	241
Number of farms/ enterprises progressing to reach EU standards (annually)	Number	MAFWM	64	2020	106	153

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MAFWM	0103 - 4005	576,375	561,375
IPARD II	0103 - 4005	1,729,125	1,684,125

Activity title:	Implemen- ting entity	Partner bodies in the implemen- tation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.16.1. Monitoring the effects of implementation of measures under IPARD II programme	MAFWM	MoESTD	2024	RS budget	0101- 4005	-	4,000
2.16.2. Incorporation of Smart Specialisation Strategy priorities into the IPARD III programme	MAFWM	MoESTD	2022	-	-	-	-
2.16.3. Implementation of the call of the IPARD III Programme which includes criteria related to the Smart Specialisation Strategy	MAFWM	MoESTD	2022	-	-	-	-

Measure 2.17: Investments in physical assets related to processing and marketing of agricultural and fishery products (IPARD measure 3)

Entity responsible for the implementation (coordination of implementation) of the measure: MAFWM

Implementation period: 2021-2022

Type of measure: Incentive

Regulations to be amended/adopted to implement the measure:

Rulebook on IPARD incentives for investments in physical property related to processing and marketing of agricultural and fishery products ("Official Gazette of the RS", Nos. 84/17, 23/18, 98/18 and 82/19).

Programme on amendments to the IPARD programme for the Republic of Serbia for the period 2014-2020 ("Official Gazette of the RS", Nos. 30/16, 84/17, 20/19 and 55/19).

Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2021
Number of supported projects (annually)	Number	MAFWM	45	2020	45	54
Number of farms/ enterprises modernising their production (annually)	Number	MAFWM	45	2020	45	54
Number of farms/ enterprises progressing to reach EU standards (annually)	Number	MAFWM	45	2020	45	54

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MAFWM	0103 - 4005	703,106	718,106
IPARD II	0103 - 4005	2,109,319	2,154,319

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.17.1. Monitoring the effects of implementation of measures under IPARD II programme	MAFWM	MoESTD	2024	RS budget	0101-4005	-	4,000
2.17.2. Incorporation of Smart Specialisation Strategy priorities into the IPARD III programme	MAFWM	MoESTD	2022	-	-	-	-
2.17.3. Implementation of the call of the IPARD III Programme which includes criteria related to the Smart Specialisation Strategy	MAFWM	MoESTD	2022	-	-	-	-

Measure 2.18: Diversification of agricultural holdings and business development (IPARD measure 7)						
Entity responsible for the implementation (coordination of implementation) of the measure: MAFWM						
Implementation period:				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				Rulebook on IPARD incentives for diversification of agricultural holdings and business development ("Official Gazette of the RS", No. 76/20), Programme on amendments to the IPARD programme for the Republic of Serbia for the period 2014-2020 ("Official Gazette of the RS", Nos. 30/16, 84/17, 20/19 and 55/19).		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported projects (annually)	Number	MAFWM	103	2020	90	90
Total value of supported investments in physical assets per user (annually)	EUR	MAFWM	14.460.818	2020	20,000,000	14,933,333
Number of agricultural holdings / enterprises developing additional or diversified sources of income in rural areas (annually)	Number	MAFWM	67	2020	60	60
Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars				
				In year 2021	In year 2022	
RS budget - MAFWM	0103 - 4005			294,019	294,019	
IPARD II	0103 - 4005			882,056	882,056	

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.18.1. Monitoring the effects of implementation of measures under IPARD II programme	MAFWM	MoESTD	QIV 2024	RS budget	0101-4005	-	4.000
2.18.2. Incorporation of Smart Specialisation Strategy priorities into the IPARD III programme	MAFWM	MoESTD	QIV 2022	-	-	-	-
2.18.3. Implementation of the call of the IPARD III Programme which includes criteria related to the Smart Specialisation Strategy	MAFWM	MoESTD	QIV 2022	-	-	-	-

Measure 2.19: Innovation and Digital Transformation Support Programme in the Republic of Serbia						
Entity responsible for the implementation (coordination of implementation) of the measure: PPS, MoESTD, National Alliance for Local Economic Development (NALED)						
Implementation period: 2021-2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of supported projects	Number	NALED	0	2020	30	30

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
Donor funds (Philip Morris International – STARTECH Project)	-	114,000	114,000

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
2.19.1. Announcement and implementation of calls in 2021	PPS	NALED, MoESTD	Q2 2021	-	-	-	-
2.19.2. Evaluation of calls	PPS	NALED, MoESTD	Q3 2021	-	-	-	-
2.19.3. Award of grants	PPS	NALED, MoESTD	Q3 2021	-	-	-	-
2.19.4. Announcement and implementation of calls in 2022	PPS	NALED, MoESTD	Q2 2022	-	-	-	-
2.19.5. Evaluation of calls	PPS	NALED, MoESTD	Q3 2022	-	-	-	-
2.19.6. Award of grants	PPS	NALED, MoESTD	Q4 2022	Donor funds	-	114,000	114,000

Specific goal 3: Education oriented towards innovation and entrepreneurship					
Institution responsible for monitoring and control of implementation: MoESTD					
Indicator(s) at the level of the specific objective (outcome indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2022
Number of newly established project partnerships between the business and academic sectors	Number	MoESTD	36	2020	70
Total number of technical solutions (on an annual level)	Number	MoESTD (Report on situation in science)	263	2019	280
Number of established economic entities whose founders/owners are young people up to 30 years of age	Number	BRA	9,000	2020	10,000
Participation of patents and technical solutions in total scientific results	%	MoESTD (Report on situation in science)	1.8	2019	2.3

Measure 3.1: Trainings for researchers aimed at strengthening the cooperation of researchers in the market						
Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD						
Implementation period: 2021-2022				Type of measure: Provision of goods and provision of services		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of researchers who have undergone trainings	Number	MoESTD	0	2020	-	50
Number of different trainings	Number	MoESTD	0	2020	-	2

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
Donor funds – Joint Research Centre of the EC ³⁷	-	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
3.1.1. Analysis of necessary trainings and criteria for implementation (needs research among NIO and researchers)	MoESTD	OIC EC	Q1 2022	EC donor funds	-	-	-
3.1.2. Public call to training implementers and implementation of calls	MoESTD	OIC EC	Q2 2022	EC donor funds	-	-	-
3.1.3. Evaluation of held trainings	MoESTD	OIC EC	Q4 2022	EC donor funds	-	-	-

³⁷ The funds are provided as part of the budget of the Joint Research Centre of the European Commission;

Measure 3.2: Call of the MoESTD for awarding grants to higher education institutions (hereinafter referred to as: HEIs) for the development of curricula in the field of entrepreneurship and related skills, with the inclusion of guest lecturers from practice

Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD

Implementation period: 2021-2022

Type of measure: Incentive

Regulations to be amended/adopted to implement the measure:

/

Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of HEIs that have introduced courses in the field of entrepreneurship (annually)	Number	MoESTD	0	2020	5	5

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MoESTD	2005 - 0014	4,000	4,000

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
3.2.1. Development of criteria for new curricula that would include the representation of entrepreneurship and related skills	MoESTD	HEI, National Entity for Accreditation and Quality Assurance - NEAQA	Q2 2022	RS budget	-	500	500
3.2.2. Consultations with universities	MoESTD	HEI	Q2 2022	RS budget	-	-	-
3.2.3. Public call with changed criteria	MoESTD	HEI	Q3 2022	RS budget	-	3,500	3,500

Measure 3.3: Development of a model for the involvement of practitioners in the educational process						
Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD						
Implementation period: 2021				Type of measure: Informative and educational		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Developed analysis	0/1	MoESTD	0	2020	1	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MoESTD	-	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
3.3.1. Analysis of best practices and recommendations for the inclusion of experts in the educational process	MoESTD	HEI	Q2 2022	RS budget	-	-	-
3.3.2. Consultations with universities	MoESTD	HEI	Q2 2022	RS budget	-	-	-
3.3.3. Development of a pilot programme plan	MoESTD	HEI	Q4 2022	RS budget	-	-	-

Measure 3.4: Student competition to promote student innovation, entrepreneurship and environmental awareness (pilot)						
Entity responsible for the implementation (coordination of implementation) of the measure: MAFWM						
Implementation period: 2020-2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of new eco-innovative products (on an annual level)	Number	MAFWM and MoESTD	4	2020	7	8

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MAFWM	-	200	200
Donor funds - UNDP and USAID	-	600	600
World Bank SAIGE Project, Loan Agreement - Serbia Accelerating Innovation and Growth Entrepreneurship Project in the Republic of Serbia ³⁸	0201 - 4011	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
3.4.1. Development of call criteria	MAFWM	USAID, UNDP	Q2 2021	-	-	-	-

³⁸ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement ("Official Gazette of the RS - International Agreements", No. 3/20);

3.4.2. Implementation of calls	MAFWM	USAID, UNDP	Q4 2021		-	600	600
3.4.3. Evaluation of calls	MAFWM	USAID, UNDP World Bank	Q4 2022	World Bank SAIGE Project	0201 – 4011	-	-

Measure 3.5: Master programme for connecting art and information technologies						
Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD						
Implementation period: 2021-2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of master students (per year)	Number	MoESTD	35	2020	70	70

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget – MoESTD	2005-0014	3,000	3,000

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
3.5.1. Evaluation of master programme	MoESTD	HEI, NEAQA	Q4 2022	RS budget	2005-0014	3,000	3,000
3.5.2. Consultations about the possibility for new master programmes	MoESTD	HEI, NEAQA	Q4 2022	RS budget	2005-0014	-	-

Measure 3.6: Development of models for practices in companies, within the programme of basic and higher levels of studies in the fields of 4S

Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD

Implementation period: 2021-2022

Type of measure: Informative and educational

Regulations to be amended/adopted to implement the measure:

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Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Developed model for professional practices	0 - No 1 - Yes	MoESTD	0	2020	1	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget regular allocations	-	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
3.6.1. Development of an analysis of good practices and recommendations for the model of professional practices	MoESTD	HEI	Q2 2022	RS budget	-	-	-
3.6.2. Consultations with interested companies and universities	MoESTD	HEI, NEAQA, Chamber of Commerce and Industry of Serbia - CCIS	Q2 2022	RS budget	-	-	-
3.6.3. Development of a pilot programme of professional practices	MoESTD	HEI	Q4 2022	RS budget	-	-	-

Measure 3.7: Adoption of the rulebook on the procedure of application and evaluation of technical solutions						
Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD						
Implementation period: 2021-2022				Type of measure: Regulatory		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Adopted rulebook on the procedure of application and evaluation of technical solutions	0 - No 1 - Yes	MoESTD	0	2020	0	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in RSD 000	
		In year 2021	In year 2022
RS budget – MoESTD regular allocations	0201 - 0007	0	0
World Bank SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project in the Republic of Serbia ³⁹	0201 - 4011	-	-

³⁹ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement (“Official Gazette of the RS - International Agreements”, No. 3/20);

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
3.7.1. Analysis of draft rulebook	MoESTD	-	Q4 2021	RS budget	0201 - 0007	-	-
3.7.2. Consultations with stakeholders	MoESTD	World Bank	Q4 2021	World Bank SAIGE Project	0201 - 4011	-	-
3.7.3. Adoption of the rulebook	MoESTD		Q2 2022	RS budget	0201 - 0007	-	-

Measure 3.8: Definition of the legal framework for the procedure of implementation of industrial doctorates						
Entity responsible for implementation (coordination of implementation) of the measure: MoESTD, CONUS						
Implementation period: 2022				Type of measure: Regulatory		
Regulations to be amended/adopted to implement the measure:				Regulation		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Adopted legal framework	0 - No 1 - Yes	MoESTD	0	2020	0	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in RSD 000	
		In year 2021	In year 2022
RS budget - MoESTD regular allocations	-	0	0

World Bank SAIGE Project, Loan Agreement – Innovation Acceleration Project and Encouragement of Entrepreneurship Growth in the Republic of Serbia ⁴⁰	0201 - 4011	-	-
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Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
3.8.1. Analysis of legal regulations that need to be amended	MoESTD	CONUS	Q2 2022	RS budget	-	-	-
3.8.2. Consultations with stakeholders	MoESTD	World Bank, CONUS	Q3 2022	World Bank SAIGE Project	0201 - 4011	-	-
3.8.3. Adoption of legal document	MoESTD	CONUS	Q4 2022	RS budget	-	-	-

⁴⁰ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement (“Official Gazette of the RS - International Agreements”, No. 3/20);

Measure 3.9: Promotion of innovations, innovators and Serbia as an investment destination						
Entity responsible for the implementation (coordination of implementation) of the measure: PPS, MoESTD, NALED						
Implementation period: 2021-2022				Type of measure: Informative and educational		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Implemented campaign "Serbia Innovates"	0/1	NALED	0	2020	1	0
Implemented campaign "Why Do Business in Serbia"	0/1	NALED	0	2020	0	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
Donor funds (Philip Morris International - STARTECH Project)	-	8,537	7,313

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
3.9.1. Preparatory activities for the beginning of the campaign "Serbia Innovates"	PPS	-	Q2 2021	Donor funds	-	2,135	1,828
3.9.2. Implementation of the campaign "Serbia Innovates"	PPS	-	Q4 2021	Donor funds	-	2,135	1,828

3.9.3. Preparatory activities for the beginning of the campaign "Why Do Business in Serbia"	PPS	-	Q1 2022	Donor funds	-	2,135	1,828
3.9.4. Implementation of the campaign "Why Do Business in Serbia"	PPS	-	Q4 2022	Donor funds	-	2,135	1,828

Specific goal 4: Improved business conditions through optimisation and digitalisation of administrative procedures in 4S areas

Institution responsible for monitoring and control of implementation: PPS

Indicator(s) at the level of the specific goal (outcome indicator)	Unit	Verification source	Baseline	Source of funding	Baseline year	Target value in 2022
Share of total administrative costs in GDP	%	Report on measuring administrative costs in the Republic of Serbia	3.11	European Union donations – IPA 2019	2018	2.9
Total savings for the economy due to optimisation and digitalisation of procedures in the 4S areas	%	PPS	0	-	2019	10

Measure 4.1: Analysis of administrative procedures from the point of view of relevance for the development of priority areas 4S

Entity responsible for the implementation (coordination of implementation) of the measure: PPS

Implementation period: 2021-2022				Type of measure: Informative and educational		
Regulations to be amended/adopted to implement the measure:				It will be determined through activity 4.1.2.		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of identified procedures in 4S areas	Number	PPS	0	2020	-	50

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
European Union donations – IPA 2019	-	-	3,500
World Bank SAIGE Project, Loan Agreement – Serbia Accelerating Innovation and Growth Entrepreneurship Project in the Republic of Serbia ⁴¹	0201 - 4011	-	-
World Bank Competitiveness and Jobs Project C&J	0610 - 7047	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
4.1.1. Consultations with stakeholders within EDP workshops	MoESTD	PPS, World Bank	Q2 2022	World Bank SAIGE Project	0201 – 4011	⁴²	-
4.1.2. Identification of all relevant business procedures in the 4S areas	PPS	-	Q4 2022	-	-	-	-

⁴¹ Funds for the implementation of activities under Programme 4011 (Heading 26) of the Action Plan are planned from the World Bank SAIGE Project approved under the Loan Agreement (Project to accelerate innovation and stimulate entrepreneurship growth in the Republic of Serbia), signed between the Republic of Serbia and the International Bank for Reconstruction and Development, No. IBRD 90290YF, in accordance with the Law ratifying the Loan Agreement (“Official Gazette of the RS – International Agreements”, No. 3/20);

⁴² Funds for holding EDP workshops have been determined and listed under measure 2.13;

4.1.3. Prioritisation of procedures according to the degree of complexity	PPS	-	Q4 2022	-	-	-	-
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Measure 4.2: Optimisation and digitalisation of identified procedures in 4S areas						
Entity responsible for the implementation (coordination of implementation) of the measure: PPS						
Implementation period: 2021-2022				Type of measure: Regulatory		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of optimised procedures	Number	Register of administrative procedures	0	2020	0	30

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
European Union donations - IPA 2019	-	-	52,650

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
4.2.1. Selection of the most complex procedures for optimisation and digitalisation	PPS	Intellectual Property Institute of Serbia, MoAFW, OITEG, Accreditation Body of Serbia (ABS), MTTT, MoESTD	Q2 2022	European Union donations - IPA 2019	-	-	-

4.2.2. Optimisation of 30 procedures	PPS	Intellectual Property Institute of Serbia, MoAFW, OITEG, Accreditation Body of Serbia (ABS), MTTT, MoESTD	Q4 2022	European Union donations - IPA 2019	-	-	-
4.2.3. Selection of 20 procedures that need to be digitalised	PPS	Intellectual Property Institute of Serbia, MoAFW, OITEG, Accreditation Body of Serbia (ABS), MTTT, MoESTD	Q4 2022	European Union donations - IPA 2019	-	-	-

Measure 4.3: Improvement of the Register of administrative procedures according to the needs of end users						
Entity responsible for the implementation (coordination of implementation) of the measure: PPS, ITE						
Implementation period: 2022				Type of measure: Provision of goods and provision of services		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of created business episodes in 4S fields	Number	Register of administrative procedures	0	2020	0	4

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
European Union donations - IPA 2019	-	-	14,000

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
4.3.1. Testing the Register and consultations with end users	PPS	-	Q3 2022	European Union donations - IPA 2019	-	-	-
4.3.2. Creating business episodes in 4S fields	ITE	PPS	Q4 2022	European Union donations - IPA 2019	-	-	-

Specific goal 5: Internationalisation of the economy through involvement in regional and global value chains in the 4S areas

Institution responsible for implementation monitoring and control: MoESTD, ME

Indicator(s) at the level of the specific goal (outcome indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2022
Coverage of imports by exports in the medium/high tech industry	%	SORS	84	2018	88
Total exports of services	Mill. EUR	NBS	4,170	2019	5,000
Total exports of products and goods in the areas of 4S	Mill. USD	SORS	9,063	2019	10,000

Measure 5.1: Establishment of interregional partnerships within the thematic platforms of smart specialisation						
Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD						
Implementation period: 2021-2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of established partnerships within the thematic platforms of smart specialisation	Number	MoESTD	0	2020	0	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget regular allocations	0201 - 0007	-	-

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
5.1.1. Identification of possibilities for establishing partnerships within thematic platforms	MoESTD	-	Q4 2021	RS budget	0201 - 0007	-	-
5.1.2. Organisation of a sectoral EDP workshop on thematic platforms and opportunities for cooperation	MoESTD	-	Q4 2021	RS budget	0201 - 0007	-	-

5.1.3. Initiating communication and developing programs with identified potential partner regions	MoESTD	-	Q4 2022	RS budget	0201 - 0007	-	-
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Measure 5.2: Establishment of cooperation with countries in the region within the framework of smart specialisation						
Entity responsible for the implementation (coordination of implementation) of the measure: MoESTD						
Implementation period: 2021-2022				Type of measure: Incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Cooperation agreement established	0 - No 1 - Yes	MoESTD	0	2020	0	1

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - MoESTD regular allocations	0201 - 0007	0	0

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
5.2.1. Participation in thematic activities and workshops organised by the JRC	MoESTD	OIC EC	Q2 2022	RS budget	0201 - 0007	-	-

5.2.2. Identifying complementary priorities in the region and space for cooperation	MoESTD	-	Q2 2022	RS budget	0201 - 0007	-	-
5.2.3. Implementation of joint projects	MoESTD	-	Q4 2022	RS budget	0201 - 0007	-	-

Measure 5.3: Identification and encouragement of export-oriented sectors of industry of higher stages of processing						
Institution responsible for implementation: ME						
Implementation period: 2021-2022				Type of measure: Informative and educational		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of companies that have undergone training	Number	ME, CCIS	0	2020	25	30

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - Ministry of Economy	1509 - 4008	10,000	10,000

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
5.3.1. Identification of companies with export potential in the field of higher processing phase, as well as their needs, primarily in the sectors identified in the Smart Specialisation Strategy	ME	-	Q4 2023	RS budget	1509 - 4008	-	-
5.3.2. Organisation of educational workshop with identified companies with export potential in the field of higher processing phase, primarily in sectors identified in the Smart Specialisation Strategy	ME	-	Q4 2023	RS budget	1509 - 4008	10,000	10,000

Measure 5.4: Programme of support for internationalisation of industrial economic entities						
Institution responsible for implementation: ME						
Implementation period: 2021-2022				Type of measure: incentive		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Value of exports of the processing industry	Mill. EUR	SORS	16,109	2019	16,500	17,600

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - Ministry of Economy	1510 - 0001	75,000	100,000

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
5.4.1. Implementation of annual export promotion support programmes of targeted sectors	RAS	CCIS	Q4 2023	RS budget	1510 - 0001	-	-
5.4.2. Continuous diagnostics of business performance of support programme users	RAS	CCIS	Q4 2023	RS budget	1510 - 0001	-	-
5.4.3. Organisation of national stands at international fairs	RAS	CCIS	Q4 2023	RS budget	1510 - 0001	-	-
5.4.4. Development of sectoral and market analyses	RAS	CCIS	Q4 2023	RS budget	1510 - 0001	75,000	75,000

Measure 5.5: Support programme for industrial economic entities to enter the supply chains of multinational companies

Institution responsible for implementation: ME

Implementation period: 2021-2023

Type of measure: incentive

Regulations to be amended/adopted to implement the measure:

/

Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of new suppliers of MNC from the Republic of Serbia on an annual level	Number	RAS	0	2018	6	9

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - Ministry of Economy	1510 - 0001	234,504	300,000

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
5.5.1. Implementation of annual programmes of support for joining supplier chains	RAS	CCIS, Clusters	Q4 2023	RS budget	1510 - 0001	-	-
5.5.2. Continuous diagnostics of business performance of support program users and development of related improvement plans and implementation of improvement plans for the establishment and expansion of cooperation with MNK	RAS	CCIS, Clusters	Q4 2023	RS budget	1510 - 0001	-	-

5.5.3. Continuous holding of "Supplier Days" and holding of B2B meetings	RAS	CCIS, Clusters	Q4 2023	RS budget	1510 - 0001	-	-
5.5.4. Presentation of standards for international operations to companies	ME	CCIS, Clusters	Q4 2023	RS budget	1510 - 0001	-	-

Measure 5.6: Cultural Information Centre in London						
Entity responsible for the implementation (coordination of implementation) of the measure: MFA						
Implementation period: 2021-2022				Type of measure:		
Regulations to be amended/adopted to implement the measure:				/		
Indicator(s) at the level of the measure (output indicator)	Unit	Verification source	Baseline	Baseline year	Target value in 2021	Target value in 2022
Number of annual programmes held	Number	Ministry of Foreign Affairs	0	2020	0	-

Source of funding the measure	Link to programme budget	Total estimated financial resources in 000 dinars	
		In year 2021	In year 2022
RS budget - Ministry of Foreign Affairs	43	-	-

⁴³ In 2020, RSD 59,000,000.00 was invested, and for 2022, the amount of a total of RSD 25,000,000.00 will be planned/provided for the appropriate programme activity.

Activity title:	Implementing entity	Partner bodies in the implementation of activity	Deadline for completion	Source of funding	Link to programme budget	Total estimated financial resources by source in 000 dinars	
						2021	2022
5.6.1. Completion of infrastructure works and equipping of space	Ministry of Foreign Affairs	Office of the Prime Minister, Office Serbia Creates and the Ministry of Culture and Information / Cultural Information Centre in London	59,000 invested in 2020	RS budget	-	-	-
5.6.2. Area open for the public	Ministry of Foreign Affairs / Embassy in London	Office of the Prime Minister, Office Serbia Creates	2021-2022	RS budget	-	-	-
5.6.3. Adoption of the programme Strategy and management plan	Ministry of Foreign Affairs / Embassy in London	Office of the Prime Minister, Office Serbia Creates	Q4 2021	RS budget	-	-	-

FINAL PART



ANNEX 1 – Classification of priority areas according to NACE activities

Priority area: Food for future	
Class	Description of the class
0111	Growing of cereals (except rice), leguminous crops and oil seeds
0113	Growing of vegetables and melons, roots and tubers
0116	Growing of fibre crops
0119	Growing of other non-perennial crops
0121	Growing of grapes
0124	Growing of pome fruits and stone fruits
0125	Growing of other tree and bush fruits and nuts
0126	Growing of oleaginous fruits
0127	Growing of beverage crops
0128	Growing of spices, aromatic, drug and pharmaceutical crops
0129	Growing of other perennial crops
0130	Plant propagation
0141	Raising of dairy cattle
0142	Raising of other cattle and buffaloes
0143	Raising of horses and other equines

0145	Raising of sheep and goats
0147	Raising of poultry
0149	Raising of other animals
0150	Mixed farming
0161	Support activities for crop production
0162	Support activities for animal production
0163	Post-harvest crop activities
0164	Seed processing for propagation
0170	Hunting, trapping and related service activities
0210	Silviculture and other forestry activities
0220	Logging
0230	Gathering of wild growing non-wood products
1011	Processing and preserving of meat
1012	Processing and preserving of poultry meat
1013	Production of meat and poultry meat products
1020	Processing and preserving of fish, crustaceans and molluscs
1031	Processing and preserving of potatoes
1032	Manufacture of fruit and vegetable juice
1039	Other processing and preserving of fruit and vegetables
1041	Manufacture of oils and fats
1051	Operation of dairies and cheese making

1052	Manufacture of ice cream
1061	Manufacture of grain mill products
1062	Manufacture of starches and starch products
1071	Manufacture of bread; manufacture of fresh pastry goods and cakes
1072	Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes
1073	Manufacture of macaroni, noodles, couscous and similar farinaceous products
1081	Manufacture of sugar
1082	Manufacture of cocoa, chocolate and sugar confectionery
1083	Processing of tea and coffee
1084	Manufacture of condiments and seasonings
1085	Manufacture of prepared meals and dishes
1086	Manufacture of homogenised food preparations and dietetic food
1089	Manufacture of other food products n.e.c.
1091	Manufacture of prepared feeds for farm animals
1092	Manufacture of prepared pet foods
1101	Distilling, rectifying and blending of spirits
1102	Manufacture of wine from grape
1104	Manufacture of other non-distilled fermented beverages
1105	Manufacture of beer
1106	Manufacture of malt
1107	Manufacture of soft drinks; production of mineral waters and other bottled waters

7211	Research and experimental development on biotechnology
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Priority area: Information and communication technologies	
Class	Description of the class
2611	Manufacture of electronic components
2612	Manufacture of loaded electronic boards
2620	Manufacture of computers and peripheral equipment
2630	Manufacture of communication equipment
2640	Manufacture of consumer electronics
2680	Manufacture of magnetic and optical media
2711	Manufacture of electric motors, generators and transformers
4651	Wholesale of computers, computer peripheral equipment and software
4652	Wholesale of electronic and telecommunications equipment and parts
4741	Retail sale of computers, peripheral units and software in specialised stores
4742	Retail sale of telecommunications equipment in specialised stores
5821	Event catering activities
5829	Other food service activities
6110	Wired telecommunications activities
6120	Wireless telecommunications activities
6130	Satellite telecommunications activities
6190	Other telecommunications activities

6201	Computer programming activities
6202	Computer consultancy activities
6203	Computer facilities management activities
6209	Other information technology and computer service activities
6311	Data processing, hosting and related activities
6312	Web portals
9511	Repair of computers and peripheral equipment
9512	Repair of communication equipment

Priority area: Creative industries	
Class	Description of the class
3212	Manufacture of jewellery and related articles
5811	Book publishing
5814	Publishing of journals and periodicals
5819	Other publishing activities
5821	Publishing of computer games
5829	Other software publishing
5911	Motion picture, video and television programme production activities
5912	Motion picture, video and television programme post-production activities
5913	Motion picture, video and television programme distribution activities
5914	Motion picture projection activities

5920	Sound recording and music publishing activities
6010	Radio broadcasting
6020	Television programming and broadcasting activities
6201	Computer programming activities
6202	Computer consultancy activities
7021	Public relations and communication activities
7111	Architectural activities
7311	Advertising agencies
7312	Media representation
7410	Specialised design activities
7420	Photographic activities
9001	Performing arts
9002	Support activities to performing arts
9003	Artistic creation
9004	Operation of arts facilities
9101	Library and archives activities
9102	Museums activities

Priority area: **Machines and manufacturing processes of the future**

Class	Description of the class
2530	Manufacture of steam generators, except central heating hot water boilers

2711	Manufacture of electric motors, generators and transformers
2712	Manufacture of electricity distribution and control apparatus
2720	Manufacture of batteries and accumulators
2731	Manufacture of fibre optic cables
2732	Manufacture of other electronic and electric wires and cables
2733	Manufacture of wiring devices
2740	Manufacture of electric lighting equipment
2751	Manufacture of domestic appliances
2752	Manufacture of non-electric domestic appliances
2790	Manufacture of other electrical equipment
2811	Manufacture of engines and turbines, except aircraft, vehicle and cycle engines
2812	Manufacture of fluid power equipment
2813	Manufacture of other pumps and compressors
2814	Manufacture of other taps and valves
2815	Manufacture of bearings, gears, gearing and driving elements
2821	Manufacture of ovens, furnaces and furnace burners
2822	Manufacture of lifting and handling equipment
2823	Manufacture of office machinery and equipment (except computers and peripheral equipment)
2824	Manufacture of power-driven hand tools
2825	Manufacture of non-domestic cooling and ventilation equipment
2829	Manufacture of other general-purpose machinery n.e.c.

2830	Manufacture of agricultural and forestry machinery
2841	Manufacture of metal forming machinery
2849	Manufacture of other machine tools
2891	Manufacture of machinery for metallurgy
2892	Manufacture of machinery for mining, quarrying and construction
2893	Manufacture of machinery for food, beverage and tobacco processing
2894	Manufacture of machinery for textile, apparel and leather production
2895	Manufacture of machinery for paper and paperboard production
2899	Manufacture of other special-purpose machinery n.e.c.
2910	Manufacture of motor vehicles
2920	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
2931	Manufacture of electrical and electronic equipment for motor vehicles
2932	Manufacture of other parts and accessories for motor vehicles
3250	Manufacture of medical and dental instruments and supplies

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