



**The Republic of Serbia
GOVERNMENT**

**Action Plan for the Implementation
of the National Disaster Risk
Management Programme
(2017-2020)**

List of abbreviations

Environmental Protection Agency	EPA
Geological Institute of Serbia	GIRS
Global Facility for Disaster Reduction and Recovery	GFDRR
Global environmental facility	GEF
Mountain Rescue Service	MRS
Directorate for E-Government	DEG
Delegation of the European Union to the Republic of Serbia	DEURS
European Union	EU
Institute for Improvement of Education	IIE
Local Self-Government Units	LSGs
Water Public Utility Company	WPUC
European Integration Office	SEIO
UN Office for Disaster Risk Reduction	UNISDR
Public Investment Management Office	PIMO
Office for Cooperation with the Civil Society Organizations	OCCSO
UN Capacity for Disaster Reduction Initiative	CADRI
Ministry of Finance	MF
Ministry of Agriculture and Environmental Protection	MAEP
Ministry of Construction, Transport and Infrastructure	MCTI
Ministry of Mining and Energy	MME
Ministry of Trade, Tourism and Telecommunications	MTTT
Ministry of Public Administration and Local Self-Governments	MPALSG
Ministry of Culture and Information	MCI
Ministry of Interior	MI
Ministry of the Interior – Sector for Emergency Management	MI SEM
Ministry of Defence and Army of Serbia	MD and AS
Ministry of Defence and Army of Serbia - Military Geographical Institute	A-MGI
Ministry of Foreign Affairs	MFA
Ministry of Education, Science and Technological Development	MESTD
Ministry of Health	MH
Ministry of Labour, Employment, Veteran and Social Affairs	MLEVSA
National Training Centre	NTC
National Disaster Risk Management Programme	NDRMP
Entity in Charge of Risk Management	ECRM
Civil Society Organizations	CSOs
United Nation Development Programme	UNDP
United Nation Environment Programme	UNEP
Support for Improvement in Governance and Management – initiative of the European Union and Organization for Economic Cooperation and Development	SIGMA
Republic Geodetic Authority	RGA
Republic Hydro-Meteorological Institute	RHMI
Republic Water Directorate	RWD

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Seismological Survey of the Republic Serbia	SSRS
Statistical Office of the Republic of Serbia	SORS
Seismological Institute of Serbia	SIS
Human Resource Management Service	HRMS
World Bank	WB
World Health Organization	WHO
Entities within the Risk Reduction and Risk Management System ¹	ERRRMS
Swedish International Development Cooperation Agency	SIDA
Standing Conference of Towns and Municipalities – Association of Towns and Municipalities	SCTM
Training of Trainers	ToT
Administration for Agricultural Land	AAL
Forestry Administration	FA
Veterinary Administration	VA
Administration for Agrarian Payments	AAP
Treasury Administration	TA
United Nations Children's Fund	UNICEF
Swiss Cooperation Office	SDC

¹Entities within the system are all public administration entities, entities of the Autonomous Province and local self-government units, public services, companies and other legal entities and entrepreneurs, civil society organizations, high educational institutions and scientific and research institutes and other which in line with laws, other general acts, plans, programmes and other documents take part in setting the measures and activities of importance for risk reduction and emergency situation management.

Strategic Basis and Background for the Development of the Action Plan

In May 2014, Republic of Serbia was affected by the most severe floods in the past 120 years. The floods affected more than 1.6 million people, precisely 22% of the total population, in 38 municipalities in the central and western Serbia. In parallel with the urgent measures undertaken to eliminate any direct threat to lives and health of people and assets of greater value, the Government, with the support of the EU, United Nations and World Bank, initiated the procedure to assess the damages incurred, and considered and proposed measures for recovery and rehabilitation of the flood affected areas.

Likewise, it focused on identification and setting the measures that would ensure that planning and realization of investments undertaken to secure higher degree of protection of people and assets from any possible flood of higher intensity, i.e. measures that would reduce as much as possible the risk of large-scale damaging consequences, be based on a good assessment and awareness of those risks. To that end, in December 2014, the Government adopted the National Disaster Risk Management Programme (Conclusion 05 Number 217-16233/2014-1 of 19 December 2014)².

The objective of the adoption of the National Programme is a development of an adequate, long-term disaster risk management system in the Republic of Serbia which would be the basis for cooperation among different institutions, as well as the basis for their joint work on risk reduction and efficient response to disasters. The National Programme, also, represents the general framework for the development of a comprehensive disaster protection programme, as well as for coordination, directing and management over funds and implementation of risk reduction related activities. The National Programme shall be financed through different mechanisms, including the special dedicated Multi-donor fund. This fund was established with the aim of securing more efficient funds from the international donors, better coordination among donors and key stakeholders in charge of the implementation of the activities set within the National Programme, as well as for directing the investments in line with the priorities.

In line with the National Programme, the Action Plan for its implementation covering the period from 2017 till 2020 was prepared. The Action Plan is fully aligned with the Sendai Framework for Disaster Risk Reduction 2015-2030, which was adopted on the Third UN World Conference on Disaster Risk Reduction (hereinafter referred to as: the Sendai Framework) on 18 March 2015. That Framework represents the document build upon the Hyogo Framework and its adoption aims to achieve much higher reduction of disaster related risks which produce losses of lives, lead to poor livelihood, health protection and losses in the economic, physical, cultural and ecological assets of people, companies, communities and countries. In order to fulfil such a goal, the document states that it is necessary that political leadership in each country, at all levels, be very dedicated and involved in the implementations of all commitments envisaged in the Framework. It is also necessary to make an impact on creation of favourable and enabling environment striving to prevent new and reduce current disaster risks through the implementation of integrated and inclusive economic, structural, legal, social, health, cultural, educational, ecological, technological, political and institutional measures that prevent and reduce exposure to hazards and disaster risks, increase readiness and recovery and thereby increase resilience of the society as a whole.

The Action Plans is also aligned with the following relevant documents: National Strategy for Protection and Rescue in Emergencies ("Official Gazette of the RS", number 86/2011), National Environmental Protection Programme ("Official Gazette of the RS", number 12/10), National Strategy for Sustainable Development („Official Gazette of the RS", number 57/08), Action Plan for the Chapter 24 and the Programme for Meteorological and Hydrological Developmental Research related Activities for the period 2013-2017 („Official Gazette of the RS", number 106/13).

Action Plan Development Process

² The document is available at the internet page of the Public Investment Management Office
<http://www.obnova.gov.rs/uploads/useruploads/Documents/Nacionalni%20program%20upravljanja%20rizikom%20od%20elementarnih%20nepogoda.pdf>

The Public Investment Management Office (hereinafter referred as to: the Office), as the legal successor of the Office for Reconstruction and Flood Relief, was in charge of the coordination of the development of this Action Plan and it was, in this endeavour, supported by the World Bank and UNDP through the CADRI programme. The Ministry of the Interior, Sector for Emergency Management and representatives of all institutions designated as competent or partner institutions for the realization of the set activities within the Action Plan also provided support to the Office. The work on the development of the Action Plan was organized as a participatory process and also in several stages. In the first stage, CADRI programme experts developed the first draft and the list of all activities as guidelines for the development of all sectoral planning documents that need to be developed in line with the new legal framework which would be established based upon the activities set in the Action Plan. The Draft Action Plan was afterwards given to all relevant institutions for their comments, and two-day workshop was held and representatives of all institutions in charge of the implementation of the activities planned within the Draft Action Plan participated in that workshop. Additionally, CADRI programme experts, World Bank experts and member of the Draft Action Plan Team from the Office organized more than 30 meetings with the aim of improving the document based on the received suggestions and their tailoring to the needs of the Republic of Serbia. In the final stage, additional consultations were held and additional alignment was made with all institutions in charge of the implementations of the activities within the Action Plan.

Methodological Approach for the Development and Structure of the Action Plan

General methodological result-based approach was applied for the development of the Action Plan. First, for the purpose of attainment of the general objective of the National Programme, specific objectives are set for each of the six components of the National Programme and they are aligned with the four Sendai framework priorities.

Measures to be implemented for each specific goal are set, and consistent, aligned results are then formulated for each measure which should be attained after its implementation. Each set result indicates a change in the real state to be attained by a certain action and in line with that it does not represent specific or direct result of a specific activity.

Results are, to a certain degree, broadly defined depending upon the level of the development of the planning process in a certain area. In those areas where it is necessary to do all analyses and do specific planning, the results are more of a general nature and less developed, while in those areas where the results to be attained are quite known, the formulated results are more specific. Certain degree of inconsistency was caused by the alignment process among a large number of different institutions.

When it comes to the structure of the Action Plan, all results are set as a baseline for defining all activities to be implemented for their attainment. In that regards, a number of key activities are defined for each result. The set number of activities is formulated in a broad sense so as to enable an easy adaptation to actual situation in the course of detailed planning for their implementation. Detailed planning of the implementation of the set activities shall be done through annual operational planning, in which process all milestones shall be determined and procedural indicators for the planned outputs.

For the purpose of monitoring the progress made in terms of attainment of the set general objective of the National Programme, i.e. the Action Plan, indicators for monitoring the long-term impact are defined, whereas outcome indicators are set for specific objectives. Given the fact that the Action Plan is result-oriented, outcome indicators are set for result-based monitoring – RBM. Exceptionally, in certain cases where it was not possible to define appropriate outcome indicator, an indicator based on an output is defined. Each indicator has its baseline values (BV), which represent its values at the beginning of 2017, and target values (TV) by the end of 2020. Exceptionally, in certain cases other time determinants are set for BV and TV. With a view to having as efficient monitoring as possible, quantitative indicator values are also set.

The Action Plan also sets time limits for the realization of the activities planned within the set results. Time limits are set so as to provide for clear guidance for detailed planning and procedural monitoring of the progress made in the realization of the planned activities and they are set on a quarterly basis in line with the preference to periodically monitor interim results. The time limit quarterly presented implies that it is mandatory to have the planned activities implemented by the mentioned quarter.

Likewise, the Action Plan sets the lead institutions in charge of attainment of the set results through the implementation of the adequate activities. The institutions indicated as leading (implementing) institutions are those institutions which either have prevailing competence to undertake actions for the attainment of the results or shall be accountable for coordination in planning and implementation of the activities for the attainment of these results. In that context, these institutions shall be accountable for communication with the other competent institutions, annual operational planning and reporting on the progress made in the realization of the planned activities. Additionally, being the partners in the implementation, institutions that might be expected to be included in some part of the implementation, either as lead or partner institutions in the implementation of the activities, are also mentioned. In that sense, partner to the realization of the activities implemented through the technical assistance support are also mentioned, as well as other partners, such as civil society organizations.

The Action Plan also contains estimates of the resources required for the implementation of the Action Plan which exclusively refers to additional costs compared to the current material and staff capacities. In case when budgetary costs for the implementation of certain measures and attainment of certain results are not expressed, that does not imply that budgetary resources will not be used for their implementation at all, but that need for resources from the budget of the Republic of Serbia would be planned within the limitations of the funds allocated to lead institutions in 2017 and subsequent years. The estimate of additional funds required is primarily made for the level of activities, while where it was not possible to give any estimate at the level of activities, the estimate was made at the level of results. When it comes to certain disaster risk reduction projects which support the broader scope of the reform and last for a longer period of time, as well as for certain number of activities for attainment of a certain result, it was not possible to make any estimate of funds required for their implementation or such an estimate was just roughly made. The Action Plan also indicates the sources of financing, except in certain cases which might be considered as a basis for defining priorities for further donors and budgetary support for the establishment of the sustainable disaster and other hazard risk management system.

Objectives, Measures and Results of the Action Plan

The general objective of the Action Plan is that by 2020, the Republic of Serbia has a disaster risk management system developed, a solid inter-institutional coordination system established, is resilient to disasters and other hazards and is capable to do retrofitting after disaster or any other hazard.

Specific objectives are set so as to be able to attain the general objective, and each specific objective is defined in line with one of the six components of the National Programme. The components are set in line with the four priorities of the Sendai Framework. Specific objectives are developed as measures which are formulated so as to, as much as possible, indicate the results to be attained.

Component 1: Institutional building and development

This component addresses the Priority for Action 2 of the Sendai Framework for Disaster Risk Reduction 2015-2030:
Strengthening governance and institutions to manage disaster risk

Disaster risk governance at the national, regional and global levels is of great importance for an effective and efficient management of disaster risk. Clear vision, plans, competence, guidance and coordination within and across sectors as well as participation of relevant stakeholders are needed. Strengthening disaster risk governance for prevention, mitigation, preparedness, response, recovery, and rehabilitation is therefore necessary and fosters collaboration and partnership across mechanisms and institutions for the implementation of instruments relevant to disaster risk reduction and sustainable development.

Component 2: Identifying and monitoring disaster risks

This component addresses the Priority for Action 1 of the Sendai Framework for Disaster Risk Reduction 2015-2030:
Understanding disaster risk

Policies and practices for disaster risk management should be based on an understanding of disaster risk in all its dimensions of vulnerability, capacity, exposure of persons and assets, hazard characteristics and the environment. Such knowledge can be leveraged for the purpose of pre-disaster risk assessment, for prevention and mitigation and for the development and implementation of appropriate preparedness and effective response to disasters.

Component 3: Structural and non-structural risk reduction

This component addresses the Priority for Action 3 of the Sendai Framework for Disaster Risk Reduction 2015-2030:
Investing in economic, social, cultural, and environmental resilience

Public and private investment in disaster risk prevention and reduction through structural and non-structural measures are essential to enhance the economic, social, health and cultural resilience of persons, communities, countries and their assets, as well as the environment. These can be drivers of innovation, growth and job creation. Such measures are cost-effective and instrumental to save lives, prevent and reduce losses and ensure effective recovery and rehabilitation.

Component 4: System for early warning and preparedness

This component addresses the Priority for Action 4 of the Sendai Framework for Disaster Risk Reduction 2015-2030:
Enhancing preparedness for effective response, and building back better in recovery and reconstruction

The steady growth of disaster risk, including the increase of people and assets exposure, combined with the lessons learned from past disasters, indicates the need to further strengthen disaster preparedness for response, take action in anticipation of events, integrate disaster risk reduction in response preparedness and that ensure capacities are in place for effective response and recovery at all levels. Empowering women and persons with disabilities to publicly lead and promote gender equality and universally accessible response, recovery rehabilitation and reconstruction approaches is crucial. Disasters have demonstrated that the recovery, rehabilitation and reconstruction phase, which needs to be prepared ahead of the disaster, is a critical opportunity to build back better, including through integrating disaster risk reduction into development measures, making nations and communities resilient to disasters.

Component 5: Strategies for risk financing

This component addresses the Priority for Action 3 of the Sendai Framework for Disaster Risk Reduction 2015-2030: Investing in economic, social, cultural, and environmental resilience

Public and private investment in disaster risk prevention and reduction through structural and non-structural measures are essential to enhance the economic, social, health and cultural resilience of persons, communities, countries and their assets, as well as the environment. These can be drivers of innovation, growth and job creation. Such measures are cost-effective and instrumental to save lives, prevent and reduce losses and ensure effective recovery and rehabilitation.

They promote mechanisms for disaster risk transfer and insurance against that risk, risk share, retention and financial protection of both public and private investments according to situation, so as to minimize financial impacts on the governments and society, in both urban and rural areas.

Component 6: Resilient recovery

This component addresses the Priority for Action 4 of the Sendai Framework for Disaster Risk Reduction 2015-2030: Enhancing preparedness for effective response, and building back better in recovery and reconstruction.

„Disasters have demonstrated that the recovery, rehabilitation and reconstruction phase, which needs to be prepared ahead of the disaster, is a critical opportunity to build back better, including through integrating disaster risk reduction into development measures, making nations and communities resilient to disasters.“

Monitoring and Evaluation

The Office is in charge of coordination over the application, progress monitoring and coordination of reporting on the attained results in the implementation of the Action Plan. Monitoring the Action Plan implementation progress shall be made periodically based upon the progress made in the implementation of the set activities, and based upon the annual reports submitted by all lead and partner institutions/organizations. The reports shall be prepared based upon the procedural indicators defined in the course of operational planning of the activities for the attainment of the set results, on a six-month basis (milestones). The Office shall prepare the structure of the report so as to have all reports standardized. Based upon the individual reports submitted, the Office shall prepare one consolidated annual report on all implemented activities and progress made in the implementation of the annual operational plans.

The report on the attained results and objectives of the Action Plan shall be prepared once a year based upon the set outcome indicators, which are made on the basis of the data submitted by the institutions/organizations in charge of the set indicators monitoring.

In the course of 2017, the analysis of the situation regarding monitoring of the data on indicators set by the Action Plan is planned, as well as development of a database on the “passport of indicators”, which will enable to centrally gather all information on all success indicators defined, include some of new critical institutional aspects, for instance which institution is in charge of gathering data for measuring which indicators and how often it does that. Afterwards the resources required would be determined so as to ensure introduction of monitoring the indicators which have not been properly monitored in the Republic of Serbia so far. “Passport of indicators” shall be regularly revised (at least once in a year time) so as to update information within the database and to prepare the report on the progress made in the attainment of the results and fulfilment of the objectives of the Action Plan based upon the current values of the set indicators.

The annual report on the implementation of the activities of the Action Plan shall be submitted to all lead and partner institutions and shall represent the basis for any changes in the next cycle of the operational planning of activities and resources required. The annual report of the attained result and the level of the fulfilment of the objectives of the Action Plans shall be submitted to the Government for its adoption.

Evaluation/assessment of the Action Plans shall serve to reach the conclusions about the degree of fulfilment of the set objectives, the level of the efficiency in its implementation and how efficient the set measures and activities were in attainment of the set objectives. The first evaluation of the Action Plan is planned for the beginning of the year of 2018 at the latest, and it will represent the midterm evaluation. At the same time, it will represent the midterm evaluation of the implementation of the National Programme. In line with the evaluation on the progress and recommendations given after the evaluation, it is possible to revise the Action Plan in order to improve it so as to manage to attain set specific objectives and general objectives of the Action Plan.

Ex-post evaluation shall be made upon the termination of the Action Plan implementation period in 2020, and shall represent the basis for the revision of the National Programme.

Resources required for the Implementation of the AP

The total necessary resources for the implementation of the activities contained in the Action Plan for the period 2017-2020 are EUR 1,111,036,558. The amount of EUR 223,000 will be secured from the budget of the Republic of Serbia, EUR 69,524,338 from the international development assistance and loans, while the resources that have not been secured amount to EUR 1,041,289,220 . For those estimated required funds which have not yet been allocated, the talks on the support to the implementation of the AP will be organized with the donors, CSOs and other stakeholders.

Funds specified under the Action Plan column "resources required" are known in line with the studies and analyses and plans made so far. After the development of the National Risk Assessment and other needed analyses (in the course of the evaluation of the AP), the funds needed for the implementation of further activities from the AP for building a society more resilient to future disasters and other hazards would be known.

Component 1: Institutional building and development

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
General objective: By 2020, the Republic of Serbia has a disaster risk management system developed, a solid inter-institutional coordination system established, is more resilient to disasters and other hazards and is capable to do retrofitting after disaster or any other hazard					Indicator: In 2020, Serbia has made a significant progress in the implementation of the development assistance and humanitarian assistance policy, including further development and preparation of the national anti-disaster system. BV (2015): Certain progress (per annual EC progress report 2015) TV (2020): Significant progress (per annual EU progress report 2020)			
Specific objective 1: Republic of Serbia has an adequate legal and institutional disaster and other hazard risk management framework in line with the international standards					Indicator: Percentage of laws and regulations regulating disaster and other hazard risk management aligned with the international standards BV (2015) ³ : 40% TV (2020): 100%			
Measure 1.1: Building an institutional and legal framework in line with the international standards for disaster and other hazard risk management								
Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
1.1.1. Legal and regulatory framework for disaster and other hazard risk management is improved	1. Preparation of the draft law on disaster and other hazard risk management.	Republic of Serbia has disaster risk management framework which is fully	MI SEM	PIMO UNDP EU RHMI	Q1 of 2017	/	UNDP BSPR Project USD 10,000	/

³Assessment made by a legal team against the check list of the UNISDRR for the legal disaster risk reduction framework

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
		aligned with the Sendai Framework for Disaster Risk Reduction 2015-2030 Yes/No					(EUR 9,100)	
1.1.2. National legislation (sectoral laws) for disaster and other hazard risk reduction are improved and harmonized with the umbrella law and <i>acquis communautaire</i>	1. Analysis of the applicable legislation related to disaster and other hazard risk management so as to harmonize it with the new legal framework and to improve sectoral legislation in order to align it with <i>acquis communautaire</i> regulating the disaster and other hazard risk management subject matter ⁴ .	Percentage of the implemented recommendations form the analysis of the activity 1. BV 2015: 0% TV 2020: 50%	ECRM PIMO	MCTI; MME MAEP; VA, MH, MD; MF, MPALSG, MESTD SEIO RHMI	Q4 of 2017	/	/	EUR 15,000
	2. Development of a glossary so as to clearly define all terminology of importance for disaster and other hazard risk management.		ECRM PIMO	MFA UNDP WB UNISDR ⁵ RHMI	Q4 of 2017	/	/	EUR 5,200
1.1.3. Adequate capacities for drafting national and local disaster and other hazard risk reduction regulations are built within	1. Development of a programme for professional development training for the purpose of improving capacities for drafting legislative acts on disaster and other hazard risk	Number of trained staff in drafting national and local regulations for	ECRM	HRMS SCTM	Q4 of 2017	/	/	EUR 6,500

⁴ List all regulations that need to be harmonized and where DRM component is to be incorporated. Pay a special attention to the legislation on rehabilitation/reconstruction of the infrastructure, in accordance with the adequate standards for the risk management process, including measures for risk reduction with the build back better principle.

⁵Representatives of the Government of the Republic of Serbia to participate in the work of the UNISDR inter-governmental working group for development of indicators and terminology for the needs of the implementation of the Sendai Framework for DRR 2015-2030

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
all relevant institutions and at all governmental levels	management.	disaster and other hazard risk management TV: at least 10 training sessions organized						
	2. Organizing professional development training sessions for the purpose of improving capacities for drafting legislative acts on disaster and other hazard risk management.		HRMS	SCTM	2017-2019	/	/	EUR 2,500
	3. Development of a professional development training curriculum in accordance with the objectives of the Strategy for Professional Development of LSG employees for the purpose of strengthening capacities for development of disaster and other hazard risk management documents.		MI SEM NTC	SCTM MPALSG RHMI	Q4 of 2017	/	/	EUR 6,500
	4. Adequate capacities for drafting national and local disaster and other hazard risk reduction regulations are built within all relevant institutions and at all governmental levels		MI SEM, NTC	SCTM	Q4 of 2017	/	/	EUR 13,000

Measure 1.2: Building an institutional framework in line with the international disaster and other hazard risk management standards

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
<p>1.2.1. Special institution for disaster and other hazard risk management is established at both national and LSG organizational unit levels⁶</p> <p>At the national level of government such institution would be established from the existing capacities, through reorganization and there are no additional financial implications for the budget of the RS.</p> <p>At the local level of government such internal organizational unit has no additional financial implications for the budget of the RS, is established in line with the Law on employees of autonomous provinces and local government units ("Official Gazette of the Republic of Serbia", no. 21/2016)</p>	1. Performing a functional analysis with the recommendations for the future structure and organization of a body to be in charge of disaster and other hazard risk management.	Special institution is functional and performs all its tasks in line with the law	PIMO	MI SEM World Bank	Q1 of 2017	/	Funds secured from the WB Project and PIMO EUR 7,000	/
	2. Drafting legal acts for establishment of the institution ⁷ to be in charge of disaster and other hazard risk management ⁸ .	BV: 0 TV: 1	MI SEM PIMO	UNDP EU World Bank	Q1 of 2017	/	/	/
	3. Establishment of internal organizational units within the LSGs administration to be in charge of coordination of disaster and other hazard risk management.		LSGs	MI SEM PIMO SCTM MAEP-VA	Q2 of 2017	/	/	/
	4. Performing functional analysis and job description for establishment of internal organizational capacities within LSGs administration to be in charge of disaster and other hazard risk management.		SCTM	MPALSG MI SEM PIMO, VA (MAEP)	Q3 of 2017	/	Funds secured within the Project implemented by SCTM with SIDA EUR 1,500	/

⁶ In line with the Conclusion of the Government of the RS number 05 Number: 021-10860/2015.

⁷ Special organization or Government service

⁸This institution shall coordinate all activities related to disaster and other hazard risk management with the relevant ministries, special organizations, institutions and other stakeholders.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
1.2.2. System for staff training in disaster and other hazard risk management is established at all governmental levels	1. Performing functional analysis with the recommendations for the improvement of the National Training Centre.	Percentage of the implemented recommendations from the functional analysis for the NTC improvement BV: 0% TV 2020: 60%	ECRM PIMO	Caritas Serbia ORFR	Q3 of 2017	/	Disaster Risk Reduction Project Caritas Serbia EUR 20,000	/
	2. Purchase of equipment for hall to be used for theoretical training session in the NTC.		ECRM PIMO	/	Q4 of 2017	/	/	EUR 50,000
	3. Development of an annual curricula for professional development of NTC per thematic modules ⁹ covering all disaster and other hazard risk management processes dedicated to all civil servants, LSGs employees and other entities and forces of the protection and rescue system.		ECRM PIMO	Entities within the protection and rescue system	Q4 of 2017			EUR 13,000

⁹ Pay special attention when developing the training programme per thematic modules to include treatment of the most vulnerable categories of population, children, youth, women, persons with disabilities and the elderly

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
	4. Testing the competencies of the staff of a newly-established special institution in charge of disaster and other hazard risk management		ECRM	Human Resource Management Service	Q4 of 2017	/	/	/
	5. Training of trainers (ToT) from among civil servants in the process of disaster and other risk management. Ensure gender balance in the training.		ECRM	HRMS UNDP World Bank EU	Q4 of 2017			EUR 10,000
	6. Conducting two pilot professional development training sessions in line with the annual training curriculum for civil servants (activity 3). Ensure gender balance in the training.		ECRM	Caritas Serbia	Q4 of 2017	/	EUR 4,200 Caritas Serbia Disaster Risk Reduction Project	/
	7. Conducting two pilot professional development training sessions in line with the annual training curriculum for civil society organizations (activity 3). Ensure gender balance in the training.		ECRM	Caritas Serbia	Q4 of 2017	/	EUR 4,200 Caritas Serbia Disaster Risk Reduction Project	/
	8. Conducting two pilot professional development training sessions in line with the annual training curriculum for LSGs employees (activity 3) ¹⁰ . Ensure gender balance in the training.		ECRM	SCTM	Q4 of 2017			EUR 4,200

¹⁰It is planned to hold 8 training sessions (2 sessions per one quarter) at the annual level, each one would be for 25 trainees

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
1.2.3. Coordination mechanism for national and local institutions within the disaster and other hazard risk management system is established in compliance with decentralization principle	1. Design of a register of all relevant institutions being a part of the disaster and other hazard risk management chain.	Number of relevant institutions (from the register, the activity 1) complying with all procedures and assignment of roles and responsibilities to all actors involved within the disaster risk management	ECRM	RGA, GIRS, RHMI, SSRS, SORS, VA (MAEP)	Q2 of 2017	/	/	/
	2. Improvement of coordination structure – drafting proposal of the Act on the Establishment of the National Platform for Disaster Risk Management in line with the law regulating this subject-matter and Sendai Framework for Disaster Risk Reduction 2015-2030.		ECRM	Entities within the system	Q2 of 2017	/	/	/
	3. Organizing roundtables for the purpose of affirming CSOs, in particular those CSOs dealing with issues of gender equality and their proportional representation in the process of disaster risk management. Organize 4 roundtable in the course of one year.		ECRM	OCOCD UNDP SCTM	continuous	/	/	EUR 4,000
1.2.4. Systematic approach focusing on raising awareness of all heads and MPs on disaster and other hazard risk management at national level is established. Gender equality issue should be part of each component.	1. Development of an education programme for heads and MPs in disaster and other hazard risk management at the national level	Increase in number of participants in each subsequent year BV: 0 TV: 20%	ECRM	PIMO		/	/	EUR 4,700
	2. Design a manual/brochure on disaster and other hazard risk management system in PDF format which would be available online.		ECRM	PIMO	Q4 of 2017	/	/	EUR 4,700
	3. Organizing roundtables and inter-ministerial conferences. At least		ECRM	/	continuous	/	/	EUR 2,000

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
	once a year. 4. Conduct experience exchange with foreign countries and develop regional cooperation in this field.	participation of the less presented gender in the total number of participants covered by education TV: 30%	MI SEM	PIMO	continuous	annual contribution amounts to EUR 25,000, i.e. RSD 3,000,000) ¹¹	/	EUR 75,000
1.2.5. Cooperation between the central governmental level and scientific institutions is improved with the aim of exchanging experience, information and improving knowledge in the area of risk management	1. Development of a protocol on cooperation among the relevant national institutions with university and scientific and research institutes.	Number of faculties and scientific and research institutes which signed and are implementing the Protocol on Cooperation with the national institutions BV: 0% TV: 5 Number of students who attended certain course in the area of Risk Management	MESTD ECRM	Universities in Belgrade, Novi Sad, Kragujevac, Niš, Novi Pazar, Kosovska Mitrovica	Q4 of 2019	/	/	/

¹¹ Disaster Preparedness and Prevention Initiative for South Eastern Europe (DPPI SEE), where the Rrepublic of Serbia is a member state.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
		TV: min. 30						
Total budget for Component 1:						EUR 25,000	EUR 46,000	EUR 216,300

Component 2: Disaster risk identification and monitoring

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
Specific objective 2: The Republic of Serbia has a consolidated system for disaster risk identification, assessment and monitoring					Indicator: Disaster risk assessments are made at the national and local governmental level, and are timely monitored and updated. BV (2015): 0% TV (2020): 100%			
Measure 2.1: Establishment of a system for the disaster and other hazard risk identification and monitoring								
2.1.1. Procedure for collection ¹² , exchange, analysis and use of relevant data and information for disaster and other hazard risk management is stipulated	1. Performing gap and need analysis of the system for data collection, exchange and processing taking into account application of the reciprocity principle and covering all data on gender and age, as well as gender sensitive information ¹³ .	Percentage of databases the data from which is being exchanged and applied for the purpose of disaster risk management BV: 0% TV: 30%	PIMO	WB MI SEM, VA (MAEP) RHMI	Q4 of 2017	/	Project Early Warning System and Readiness funded by SDC, Component B total amount secured CHF 189,350 (EUR 175,000)	/
	2. Preparation of the exchange procedures among institutions, analysis and use of relevant data and information		ECRM	World Bank UNDP RHMI	Q2 of 2017	/	/	/

¹²Obligation to collect, exchange, analyse and use data will be determined by the law regulating the area of disaster and other hazard risk management, which is in a drafting procedure in line with the Conclusion of the Government of the RS number: 021-10860/2015.

¹³Analysis should also encompass the current status of all available data, i.e. it should identify data sets and institutions in charge of their collection and maintenance. Define, at the same time, which data are missing, and are significant for risk management. Take into account all available services such as EU programme Copernicus which provides satellite images and other spatial data for the risk management needs. Accordingly, develop a plan for securing necessary data as defined by priorities and other resources.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	on risk management. Standard procedures for data access and protection, as well as regular archiving and production of protective copies in line with the results 1.1.2. and 1.2.1. should be envisaged.							
2.1.2. Methodologies for different hazard assessment are improved and are applied as a tool for identification, assessment and monitoring of disaster risk.	1. Preparation of an improved national methodology for risk assessment, risk reduction plan and protection and rescue plan in line with the international standards.	Percentage of institutions at national and local level which apply risk assessment methodology by the end of 2017. BV: 0% TV: 30%	ECRM	SCTM PIMO, RHMI, University in Belgrade, Faculty of Security Studies	Q2 of 2017	/	Funded through the SCTM SIDA Project EUR 2,500	/
	2. Design a model for risk assessment for LSGs.		SCTM	ECRM	Q4 of 2017	/	Funded through the SCTM SIDA Project EUR 3,000	/
2.1.3. Integrated information system containing data relevant for disaster risk management for the needs of professional users and entities that are collecting, processing and using such data is established	1. Preparation of a list of data sources ¹⁴ / list of relevant institutions processing the data for the need of the development of an act on risk assessment.	Number of the databases relevant for disaster risk management covered by an integrated information system BV: 0% TV: 30%	ECRM PIMO	WB	Q4 of 2017	/	The same as in the result 2.1.2. activity 1.	/
	2. Design of structures of databases necessary for the development of an act on risk assessment which are in line with the international standards and EU Directives.		ECRM PIMO	World Bank	Q4 of 2017	/	The same as in the result 2.1.2. activity 1.	/
	3. Training of the staff in data entry,		ECRM	Entities within	Q4 of 2017	/	The same as	/

¹⁴Based upon the analysis from the activities from the result 2.1.2. activity 1.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	distribution and access based on the prescribed procedure for the result 2.1.2. activity 2.			the system World Bank UNDP, EU	2017		in the result 2.1.2. activity 1.	
	4. Networking of the sectoral databases of elements of exposure to hazards within one integrated data system.		ECRM	DEG Entities within the system World Bank UNDP, EU	Q4 of 2018	/	/	EUR 15,000
2.2.3. An automated tool for multi-hazard risk assessment enabling regular risk monitoring / calculation of risk level, possible damage and loss scale is adopted.	1. Purchase of IT applications and software for risk assessment (software maintenance price for the period of 3 years should be calculated within the price).	Percentage of acts on disaster risk assessment updated annually BV: 0% TV: 50%	ECRM	UNDP	Q4 of 2019	/	/	EUR 1,500,000 (estimate by the UN CARDRI Team)
	2. Training of professional persons that would handle the tool.							
2.2.4. National Vulnerability Profile of the Republic of Serbia is established based on sound risk assessment and regular disaster risk monitoring	1. Provision of support in the course of the development of an act on vulnerability assessment in LSGs in line with the asserted methodology.	Percentage of the LSGs which have developed the Act on Risk Assessment BV: 0% TV: 100% Document developed Yes/no BV: 0 TV: 1	LSGs	ECRM SCTM	Q1 of 2017	/	/	EUR 1,500,000
	2. Development of the National Disaster and Other Hazard Vulnerability Assessment. Form a working group with representatives from all ministries so as to develop the national risk assessment							
			MI SEM	MH, MCTI, MTTT, MAEP, MLEVSA MD, MCI, GIRS, RGA, RHMI, WPUC SSRS, SORS	Q1 of 2017	/	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
2.2.5. Risk register in the form of an electronic interactive map for all elements of hazards is established and it will contain all data of public interest	1. Preparation of the technical specification for register design.	Percentage of the citizens and companies which access the electronic centralized data system at the annual level BV: 0% TV: 30%	ECRM	DEG	Q1 of 2017	/	/	EUR 3,000
	2. Creation of register of landslides and unstable slopes in the whole territory of the Republic of Serbia ¹⁵ .		MME	GIRS	Q1 of 2019			EUR 3,200,000
	3. Mapping of seismic zones along with research of geological conditions for determining national parameters according to EC8 (EC8-1) ¹⁶ .		MME	GIRS, SORS	Q1 of 2019			RSD 45,000,000 (EUR 371,200)
	4. Creation of mining waste cadastre.		MME ¹⁷	MF	Q4 of 2019	EUR 198,000 (RSD 24,354,000)	EUR 1,782,000 IPA 2013	/
	5. Creation of inventory of community and risk industrial sites.		MAEP, Environmental Protection Agency	UNEP, EPA, PIMO	Q4 of 2017	/	UNEP-GEF through the project ¹⁸ which in total amounts to USD 661,644 (EUR 604,000)	/

¹⁵The landslide cadastre will be created for 27 municipalities under the UNDP Project funded through Japanese donation in 2014 which along with 15% of already covered makes up to 45% of the coverage of the territory of the Republic of Serbia. It is necessary to continue with the Project and create a complete cadastre of landslide.

¹⁶The first phase of the research, where the drill holes will be made for each type of the soil and geo-physical researches will be made so as determined as precise as possible the seismic characteristic of the local soil. This map will serve as the basis for the creation of a new Seismic hazard and risk map.

¹⁷ MF-Sector for Contracting and Financing of EU-funded Projects

¹⁸Project: "Enhanced cross-sectoral land management through land use pressure reduction and planning"

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	6. Training of relevant stakeholders in data entry and regular update of these data contained in the Risk register. While processing the data, pay attention to gender-sensitive data.		ECRM	WB UNDP EU	Q2 of 2018	/	/	EUR 6,000
	7. Creation of an online open data system for the citizens and companies on dangers and risks ¹⁹ .		ECRM	Entities within the system	Q1 of 2019	/	/	The amount of funds will be known after the recommen dations from the result 2.1.2. activity 1. 1.
	8. Distributing notices and posting presentations of all relevant Institutions and LSGs on the Internet.		ECRM	DEG, LSGs	Q3 of 2019	/	/	/
2.2.6. Critical infrastructure protection mechanism is established in line with the Directive 2008/114/EC ²⁰	1. Gap analysis and identified critical infrastructure analysis in line with the Directive 2008/114/EC on the identification and designation of European critical infrastructure and the assessment of the need to improve their protection.	Percentage of the critical infrastructure in the RS which is protected in line with the Directive	MI SEM	EU	Q1 of 2017	Part of RSD 3,000,000	/	/

¹⁹Online open data system for the citizens and companies encompasses all data on losses and damage incurred by the disasters (for instance, DESINVENTAR), as well as information on disaster risk (catalogues of historical events, maps of hazard, exposure, vulnerability, scenario of possible damages and losses, demographic data, social and economic and gender-sensitive data)

²⁰AP for the Chapter 24, Chapter 7. activities 7.4.2., 7.4.3.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	2. Drafting proposal for legal framework of critical infrastructure in line with the findings of the analysis (result 2.2.6., activity 1) (identification of all facilities of national and European critical infrastructure, as well as the system for secure information exchange)	2008/114/EC TV: 30%	MI SEM	Inter-sectoral Working group which will be formed by the Decision of the Government of the Republic of Serbia	Q4 of 2017	Part of RSD 3,000,000	/	/
	3. Creation of a register of critical infrastructure (take into account design of a software and training of the staff to administer and update the register).		MI SEM	Inter-sectoral Working group which will be formed by the Decision of the Government of the Republic of Serbia	Q4 of 2017	/	/	EUR 15,000
	4. Development of an annual plan for the protection of all critical infrastructure and establishment of periodic reporting on all measures undertaken.		MI SEM	Inter-sectoral Working group which will be formed by the Decision of the Government of the Republic of	Q4 of 2019	/	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
				Serbia				
2.2.7. Risk assessments in agricultural, water management, forestry, veterinary, water resources and environmental protection sectors are made	1. Create a comprehensive database on the number and movements of animals, risk of contagious disease and other animal disease outbreak, facilities and entities within the food and safety chain, vulnerability of food, unsafe food and other statistical data related to agricultural sector based upon the analysis from the result 2.1.2 activity 1 and its integration within the central database.	Percentage of the implemented measures envisaged by the risk assessment and adaptation plan TV: 30%	MAEP	/	Q2 of 2017	/	/	EUR 5,000
	2. Improve capacities for prevention of outbreak, monitoring the course of and suppression of contagious diseases and other animal diseases, operations and organization of crisis centres within the Plan for the Crisis Situation Management (Crisis Plan) of the Veterinary Administration, facilities and entities in the food chain and food safety monitoring through the control of the reporting tools and mechanisms.		MAEP	/	Q4 of 2018	/	/	EUR 50,000
	3. Improvement of the monitoring network for surface and ground water of the Republic of Serbia – purchase and instalment of automatic hydrological stations for surface and ground water		RHMI	MAEP, RWD, WPUC,	Q1 of 2020	/	/	EUR 650,000

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	with the real time data transfer: 40 automatic hydrological stations for surface waters and 100 for ground waters.							
	4. Making erosion map and register of erosion zones.		MAEP-RWD	AAL, FA EPA, MI SEM, SNR, WPUC	Q4 of 2019	/	/	EUR 500,000 Amount for the activities 4. and 5.
	5. Creation of cadastre of torrents.		MAEP-RWD	WPUC, LSGs, MI SEM	Q4 of 2019	/	/	
	6. Making vulnerability maps and forest fire risk maps.		MAEP-FA	MI-SEM, public utility companies for forestry management and PE national parks	Q4 of 2018	/	/	/
	7. Development of a climate change adaptation plan.		MAEP, environmental protection sector	UNDP National Council for Climate Changes, formed by the Decision of the	Q4 of 2017		GEF Project proposal for funding from the international funds	Will be defined in the subsequent steps

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
				Government of the Republic of Serbia				
	8. Development of a National Strategy for Climate Change Adaptation.		MAEP, environmental protection sector	National Council for Climate Changes, formed by the Decision of the Government of the Republic of Serbia RHMI	Q4 of 2020		IPA programming for 2015 Planned resources EUR 1,300,000	Will be defined in the subsequent steps
	9. Making vulnerability maps and flood risk maps for the remaining 75 significant flood-prone areas ²¹ .		MAEP, RWD, WPUC,	RGA, MD-MGI, RHMI, PIMO, SEIO, WB, MI SEM	Q4 of 2020 ²²	/	IPA 2014 EUR 6,500,000	/
2.2.8. Vulnerable population database (of the most vulnerable population – children, youth, women, persons with special needs and elderly persons) is	1. Designing a system of an update gathering of data on vulnerable population at risk / register of persons specifically affected by disaster or any other hazard. Data should be statistically processed by gender. Regularly submit	Percentage of data updated TV: 100%	MLEVSA, Centres for Social Work	MH MI SEM LSGs RCS	Q4 of 2017	/	/	EUR 15,000

²¹Flood vulnerability maps and flood risk maps were made for the most important 24 flood-prone areas in cooperation with SOFPAS EU-funded Project.

²²Time period for this activity is in line with the project by which it is funded.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
established and regularly updated	data to the Sector for Emergency Management for purposes of prompt distribution to all LSGs across the district headquarters.							
	Developing preventive measures and plans of protections of these people							
2.3. Strengthening capacities of all stakeholders involved in the disaster risk and other hazard assessment, monitoring and management system								
2.3.1. Professional staff is trained in disaster and other hazard risk identification / assessment	1. Training of trainers (ToT) in disaster risk identification, with presence of the gender equality component when training officials.	Percentage of the realization of the general curriculum for capacitating staff in risk identification and assessment at the national level BV: 0% TV: 100%	ECRM	World Bank UNDP EU SCTM	Q2 of 2017	/	/	EUR 10,000
	2. Development of the curriculum for professional development, and provision of necessary tools and equipment so as to improve competencies at all national institution levels in risk assessment, including those in charge of gender equality issues.		ECRM	World Bank UNDP EU SCTM	Q2 of 2017	/	/	EUR 6,000
	3. Organization of training sessions (in line with the curricula from the activity 3, result, 2.3.1.).		ECRM	/	2017-2019	/	/	EUR 3,600

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	4. Preparation of the programme for professional development for LSGs in disaster risk assessment.	Percentage of the implementation of the general curriculum for capacitating LSG staff BV: 0% TV: 100%	ECRM	SCTM PIMO	Q2 of 2017	/	/	EUR 3,000
	5. Organization of training sessions in disaster risk assessment for LSG with the support to equal representation among participants, in line with the curriculum (activity 5, result 2.3.1.).		ECRM	SCTM	2017-2019	/	/	EUR 3,880
	6. Development of training programme for women NGOs which advocate participation of women and vulnerable groups of male/female citizens in risk reduction and women safety management and planning in crisis situations.		ECRM	Office for Cooperation with the Civil Society SCTM	Q2 of 2017	/	/	EUR 3,000
	7. Development of training modules and organizing training sessions for Centres for Social Protection, municipal officials for social protection and representatives of educational institutions so as to integrate elements of disaster risk reduction in the social protection and education related programmes and activities ²³ .		ECRM MLEVSA MESTD	SCTM RCS	Q2 of 2017	/	/	EUR 6,440
	8. Organization of training session in line with the training programme for the activity 7, result 2.3.1.		ECRM	SCTM	2017-2019	/	/	EUR 8,400

²³Since the majority of the activities related to social protection contributes towards reduction of population vulnerabilities and thereby contributes to disaster risk reduction, all social protection programs should take into account, within their planning processes, the impact natural disasters have on the most vulnerable population.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	9. Analysis of the current professional trainings and their revision in line with the recommendations of the analysis so as to integrate risk reduction and management elements.		ECRM	HRMS SCTM	Q2 of 2017	/	/	EUR 4,500
2.3.2. Sustainable educational system for disaster and other hazard risk reduction and emergency situation is developed.	1. Drafting proposal for integration of the educational content from the area of disaster and other hazard risk management and emergency situations within the pre-university education, as well as proposal for modernization of the spatial and equipment norms.	Percentage of educational institutions which realize these contents through their regular education and through extracurricular activities	MESTD IIE	UNICEF	Q4 of 2017	/	Support from UNICEF through the "Safe School" project	/
	2. Drafting programme proposals for disaster and other hazard risk reduction and their integration into educational curricula of relevant faculties and post-graduate studies.	Number of faculties in the Republic of Serbia which have integrated the module for risk reduction into their programmes (compared to the total number of faculties)	PIMO	SIDA	Q4 of 2018	/	<i>Proposal for cooperation between PIMO and SIDA through NDRMP</i>	/
Total budget for Component 2:						EUR	EUR	EUR

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
						198,000	10,361,000	7,879,020

Component 3: Structural and non-structural risk reduction

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
Specific objective 3: Republic of Serbia possesses economic, social and cultural resilience of the society and environment to disaster by application of structural and non-structural measures					Indicator: In 2020, percentage of vulnerable population to disasters is reduced compared to the previous disasters BV May 2014 floods: 22% of vulnerable population in 38 municipalities in the RS TV 2020: reduced % of vulnerability compared to 2014			
Measure 3.1 Development and implementation of disaster and other hazard risk structural and non-structural measures								
3.1.1. Skills and knowledge of the staff about the needs for development and implementation of non-structural and structural measures are improved	1. Development of the training curriculum for civil servants at the national level and employees of the LSGs working in the planning departments in development of plans and coordination of disaster and other hazard risk reduction related activities ²⁴ in line with the annual curriculum to be developed within (the result 1.2.2. activity 3).	Percentage of the trained staff in planning non-structural measures compared to the planned number of trained staff	ECRM	PIMO through NDRMP	Q4 of 2017	/	/	EUR 3,500
	2. Organizing training sessions for all officials at the national level and employees in the LSGs in planning related to coordination of disaster and other hazard risk reduction activities ²⁵ .		ECRM	PIMO through NDRMP	2017 - 2018	/	/	EUR 4,200
3.1.2. Disaster and other hazard risk reduction structural and non-	1. Development of the National strategy for disaster and other hazard risk reduction (establishment of an	Percentage of efficiently implemented	ECRM	MF, MFSI, MH, MAEP, MESTD,	Q4 of 2017	/	/	/

²⁴Disaster and other hazard risk reduction related activities: based upon the current conditions of potential risks, root-cause analysis, risk reduction related recommendations, etc.

²⁵At minimum, 5 training session on the annual level. Target group: representatives of all ministries, LSGs and professional institutions.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
structural measures are integrated in the sectoral policies ²⁶	inter-governmental body to be in charge of the development of the National strategy for disaster and other hazard risk reduction).	structural and non-structural measures for disaster and other hazard risk reduction		MLEVSA RHMI				
	2. Technical support / consultations to provide support to the inter-sectoral working group to integrate disaster and climate change risks into their sectoral plans.		ECRM	/	Q4 of 2017	/	/	EUR 20,000
3.1.3. Adopted plans for risk reduction and implementation of structural and non-structural measures are being implemented.	1. Development and adoption of guidelines for the preparation of disaster and other hazard risk reduction plans ²⁷ .	Number of institutions at both national and local level that developed their disaster and risk reduction plans in line with the set methodology	ECRM	PIMO through NDRMP	Q4 of 2017	/	/	EUR 5,000
	2. Development of a model Risk reduction plan for 3 pilot LSGs.		SCTM	ECRM MLEVSA PIMO through NDRMP	Q4 of 2017	/	/	EUR 20,000
3.1.4. Non-structural and structural measures within the flood protection area	1. Development of a Study for the improvement of flood defence in the Kolubara river basin		PIMO MAEP-RWD	UNDP WPUC "Srbijavode"	Q1 of 2017	/	UNDP Project Japanese	/

²⁶ Ensure that all disaster risk information are taken into consideration when defining and implementing national agrarian policies, strategies, action plans (for crops, husbandry, fishery and forestry) (for instance: National Agriculture and Rural Development Strategy (NARDS); National Rural Development Programme (2015.-2020.); National Drought Protection Programme (2015-2020). Strengthen and harmonize the cooperation among MAEP, Sector for Environmental Protection, Institutes for Public Health and Sector for Agriculture so as to ensure that all agricultural aspects (agricultural aspects should be specified) are also taken into account in all national environmental protection programmes and national urgent health care programmes, as well as in the programme for adaptation to changed climate conditions (Ministry of Health, RHMI, institute "Dr. Milan Jovanović Batut", MAEP).

²⁷Take into account all cost-benefit analyses for preventive measures within the high-risk sectors

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
are being applied		Flood risk in the areas where structural		RHMI			donation EUR 550,000	
	2. Development of a study for the improvement of the flood defence of the West Morava and South Morava, Timok, Mlava and Pek river basins and littoral zone of the Sava and Danube rivers	measures were implemented reduced compared to the damages incurred by the	PIMO MAEP-RWD	WPUC RHMI				EUR 2,300,000
	3. Implementation of the recommendations of the Study from the activity 1 for the purpose of flood protection in the Kolubara river basin	May 2014 floods and so far unprotected vulnerable areas.	MAEP-RWD	ORFR, WPUC "Srbijavode"	Q4 of 2020	/	/	Preliminary estimate of the resources EUR 110,000,000
	4. Preparation of the project documentation for the realisation of flood defence related works in the Kolubara river basin		MAEP-RWD	ORFR, WPUC "Srbijavode"	Q4 of 2017	/		/
	5. Rehabilitation and reconstruction of the flood defence priority infrastructure in the following LSGs: Sombor, Bačka Palanka, Novi Pazar, Negotin, Niš, Aleksinac, Smederevska Palanka, Raška		MAEP-RWD	PIMO	MAEP-RWD	/	16,720,300.00 ²⁸ (for 2017 anticipated 587,769,000 + 690,547,000 = RSD 1,278,316,000)	/

²⁸ Resources secured through the loan – Project for emergency flood recovery signed between the Republic of Serbia and International bank for reconstruction and development (Flood emergency recovery loan)

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	6. Construction of torrential barriers (21 in total, specifically in Krupanj, Mali Zvornik, Bajina Bašta, Ljubovija, Osečina, Vrnjačka Banja, Kosijerić, Loznica, Koceljeva, Kladovo and Negotin)		WPUC "Srbijavode"	PIMO UNDP LSGs	Q1 of 2017	/	Donors' funds through UNDP EUR 1,000,000	/
	7. Preparation of the project documentation for pollution remediation of the Kostajnica, Korenita and Jadar rivers, caused by leakage of tailings from the flotation dumpsites of the antimony mine "Stolice" in Kostajnik		PIMO	UNDP Srbijavode	Q2 of 2017	/	UNDP Project Donation of the Government of Japan EUR 187,000	/
	8. Rehabilitation and reconstruction of the flood defence priority infrastructure in the following LSGs: Valjevo, Svilajnac, Paraćin		Delegation of the European Union to the Republic of Serbia	PIMO WPUC "Srbijavode"	Q4 of 2019	/	IPA 2014 9,400,000	/
	9. Rehabilitation and reconstruction of the flood defence priority infrastructure – Šabac and Bogatić		Delegation of the European Union to the Republic of Serbia	PIMO	Q4 of 2019	/	IPA 2014 regional cooperation between BiH and RS EUR 10,000,000	/
	10. Cleaning of draining canals in Obrenovac, Surčin and New Belgrade		Delegation of the European Union to the	PIMO	Q4 of 2019	/	IPA 2014 EUR 9,270,000.00	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
			Republic of Serbia					
	11. Purchase of mobile equipment for flood defence – littoral defence of the Danube and Sava rivers in Belgrade		Delegation of the European Union to the Republic of Serbia	PIMO WPUC "Srbijavode"	Q4 of 2018	/	IPA 2014 EUR 2,800,000	/
	12. Preparation of the project documentation (planning and technical documentation and resolution of ownership issues) and execution of works in the flood defence area in the territory under the jurisdiction of the PUWC „Srbijavode“ ²⁹ .		WPUC "Srbijavode"	MAEP-RWD	Q4 of 2020	/	/	EUR 476,974,000
	13. Preparation of the project documentation (planning and technical documentation and resolution of ownership issues) and execution of works in the flood defence area in the territory under the jurisdiction of the PUWC Vojvodinavode		PUWC "Vojvodinavode"	MAEP-RWD	Q4 of 2020	/	/	EUR 79,884,000
	14. Preparation of the project documentation (planning and technical documentation and resolution of ownership issues) and execution of works in the flood defence area in the		PUWC "Beogradvode"	MAEP-RWD	Q4 of 2020	/	/	EUR 41,870,000

²⁹ According to the list of strategic projects of the PUWC Srbijavode for the period 2017- 2027, developed in line with the SEIO criteria.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	territory under the jurisdiction of the PUWC Beogradvode							
3.1.5. Mechanism for monitoring the implementation of the preventive measures for disaster risk reduction is established	1. Purchase of the IT equipment to monitor the implementation of preventive measures.	Number of successfully applied preventive structural disaster risk mitigation measures	ECRM	PIMO through NDRMP	Q4 of 2017	/	/	EUR 20,000
	2. Support to the national and local governments in an efficient monitoring and oversight of the implementation of the disaster risk reduction measures.		ECRM	Entities within the system SCTM	Q4 of 2017	/	/	EUR 10,000
Total budget for Component 3:						/	EUR 49,927,300	EUR 711,110,700 30

³⁰ Resources listed under the column resources required do not represent precise resources required for both structural and non-structural measures for the purpose of disaster and other hazard risk reduction in the Republic of Serbia. The listed resources are known in line with the studies and analyses and plans implemented so far. After development of the National Risk Assessment and all analyses and studies required, in the course of the evaluation of the AP, more precise resources required to build society more resilient to future disasters would be known.

Component 4: System for early warning and preparedness

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
Specific objective 4: Republic of Serbia responds to disasters and other hazards in a timely and efficient fashion					Indicator: Reduction of number of casualties and injured citizens caused by disasters (fire, floods, earthquakes) presented in percentage up to 5% by the end of 2020 compared to the period 2011-2015 ³¹ . TV 2020: up to 5% less compared to 2011-2015			
Measure 4.1: Development of a modern, consolidated early warning system in line with the international standards at both national and local level								
4.1.1. Efficient exchange of information is established among all parties involved in the early warning system	1. Technical support for the implementation of the 112 system as a comprehensive multi-hazard early warning system in emergencies at both national and local levels. Development of a need analysis for the introduction of a fully operational 112 system in the RS.	Number of institutions under the early warning system which efficiently and timely exchange information of importance for the functioning of this system	MI SEM	EU	Q4 of 2018	/	IPA 2015 EUR 1,500,000	/
	2. Development of standard operational procedure for data exchange within the early warning system among the institutions in charge of early hazard alerts and connect it with the 112 system.		MI SEM and Police Directorate	MD and AS, MH, MRS, MAEP (VA) RHMI	Q1 of 2020	/	/	EUR 10,000
	3. Establishment of the 112 system as a comprehensive multi-hazard early warning system in		MI SEM	MI-Police Directorate, MD, MH,	Q2 of 2020	/	/	EUR 15,500,000 ³²

³¹ Compare the data in accordance with the analysis conducted upon the official data of the Emergency Management Sector.

³² Stated funds are preliminary. After the conducted analysis of the Measure 4.1. result 4.1.1. activity 1. a detailed estimate of necessary funds would be available.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	emergency situations at both national and local levels in line with the recommendations from the activity 1 analyses.			MRS, MD and AS MAEP (VA), RHMI				
4.1.2. Early warning system and system for alert of hazards that might cause emergency are established.	1. Conduct a gap and need analysis within the current early warning and alert system in case of hazards at for both national and local levels based upon which a consolidated early warning, notification and alert system would be established.	Increase in number at the annual level (in %) where early warnings and alerts on hazards have been successfully conducted (compared to the previous year) due to disasters	PIMO through NDRMP	World Bank MI SEM RHMI	Q2 of 2017	/	Funds are secured through the SDC-WB Project, Component C Early Warning System and Readiness and amount to CHF 321,900 (EUR 297,870)	/
	2. Purchase of the equipment based upon the recommendations from the Study for Enhancement of Early Warning and Alert System among the authorities providing short-term forecasts on different types of hazards (hydro-meteorological, seismic,		PIMO through NDRMP	World Bank MI SEM RHMI	Q1 of 2017		Funds are secured through the SDC-WB Project, Component C Early	

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	ecological, biological, chemical, radiological, etc.), including both coordination and communication among competent state institutions.						Warning System and Readiness and amount to CHF 284,020 (EUR 262,818)	
	3. Purchase of the equipment and resources to enable response of crisis response centres within Crisis Plan of the Veterinary Administration		MAEP, VA	/	Q1 of 2017			Funds unknown during the development of the AP
	4. Procurement of equipment for rehabilitation and improvement of the hydrological and meteorological observation system of central Serbia for forecasts and early warning systems for floods ³³		PIMO	RHMI	Q2 of 2017	/	IPA 2014 EUR 2,150,000	/
	5. Elaboration of a training curriculum for all staff engaged in Early Warning System.		PIMO through NDRMP	WB MI SEM RHMI LSGs	Q4 of 2017	/	Funds are secured through SDC Project	/

³³Action document on rehabilitation of floods consequences, within the EU Pre-Accession Instrument - IPA 2014. Improving the RHMI early warning system through the purchase of equipment for rehabilitation and improvement of hydrological and meteorological observation system of central Serbia (defined in the Action document as Result 1.3.).

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	6. Establish DEWERTA flood early alert system ³⁴ .		MI SEM	RHMI, RWD	Q2 of 2017	/	/	/
	7. Development of a list of the most vulnerable LSGs where quick alert system and torrent monitoring should be installed.		MI SEM	Jaroslav Cerni Institute RHMI MI SEM	Q2 of 2017	/	/	/
	8. Purchase of module for early alert system for forest fires and chemical accidents (supplement for DEWERTA platform).		MI SEM	MAEP	Q4 of 2019	/	/	EUR 500,000
	9. Purchase and instalment of torrent quick alert and monitoring system and 100 automatic rain gauges high precision sensor for temperature and relative air humidity of torrents.		LSGs	RHMI	Q4 of 2020	/	/	EUR 2,250,000
	10. Procurement of 2 S band weather radars with calibration system which includes: Construction of 2 radar towers; Procurement and installation of 2	BV: 2 TV: 4	RHMI	PIMO	Q1 of 2020	/	EUR 3,700,000. 00 ³⁵	/

³⁴MI-SEM has DEWETRA software ensuring the flood early alert system. It is necessary to initiate its application among relevant institutions.

³⁵ Resources secured through the loan – Project for emergency flood recovery signed between the Republic of Serbia and International bank for reconstruction and development (Flood emergency recovery loan)

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	S band weather radars; Procurement of the System for automatic calibration of meteorological radars, including 30 automatic stations (tipping bucket type), with additional technology for communication and integration with the RHMI network, novcasting software, integration, installation, calibration, training and maintenance for 1 year							
Measure 4.2: Improving legal and institutional framework at both central and local levels for readiness and response in emergency situations and other hazards with clearly defined competences								
4.2.1. Legislation for preparedness and response in case of disasters is improved	1. The Law regulating the area of emergency situations and other hazards in the Republic of Serbia is improved in line with the international standards.	Percentage of legislation (standards and norms) for preparedness and response in case of disasters aligned with the international humanitarian standards (in line with the analysis of alignment of national standards and norms, act. 2)	MI SEM	/	Q4 of 2017	/	/	/
	2. Analysis of alignment of national standards and norms to respond in emergency situation with the international humanitarian standards.		MI SEM	RCS	Q3 of 2017	/	/	EUR 13,000
	3. Alignment of national standards and norms to respond in emergency situation with the international humanitarian standards ³⁶ .		MI SEM	RCS	Q4 of 2017	/	/	EUR 2,100

³⁶ For instance, the Humanitarian charter and minimum standards in disaster response, UNICEF, Core Commitments for Children in Humanitarian Action, 2010.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
4.2.2. Tools for need assessment and response in the course of an emergence situation are defined.	1. Development of standard-operational procedures in the process or response in the emergency situation at all governmental levels, in line with the <i>Protection and Rescue Plan with the special focus on vulnerable population (the most vulnerable categories of population – children, youth, women, persons with special needs and elderly persons)</i> .	Increased percentage of all competent institutions at both national and local levels which use efficiently tools for need assessment and response in case of disasters and other hazard in their work BV: 0% TV: 40%	MI SEM	Republic HQ for Emergency Situations	Q2 of 2017	/	/	/
	2. Creating protocols on different situations of emergency response for people with disabilities (manuals in Braille, SMS apps and similar.).		MLEVSA	MH MI SEM	Q4 of 2018	/	/	/
	3. Development of a directory of all useful contacts in the emergency (Government, RCS, competent authorities in line with the signed memoranda on cooperation in the emergency situations, EU (DG ECHO), UN, NGOs and donors).		MI SEM	/	Q4 of 2017	/	/	/
	4. Development of procedures on international cooperation in disaster response at early stages and initial recovery assistance.		MI SEM	PIMO RCS	Q4 of 2017	/	/	/
	5. Organizing roundtables to		MI SEM	PIMO	continuous	/	/	EUR 10,000

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	promote and understand procedures for actions in disasters.			SCTM				
4.2.3. Protection and rescue plans are adopted and implemented at all governmental levels	1. Development of a National Programme for Health Sector Response in Crisis and Emergency Situations and the Action Plan for the Implementation of the National Programme for Health Sector Response in Crisis and Emergency Situations.	Percentage of the successfully implemented protection and rescue plans at national level BV: 0% TV: 100%	MH, Working group Established by the MH	WHO	Q4 of 2017	/	Support provided through work of experts WHO	/
	2. Improvement of database on human and material resources of companies and other legal entities the Government has designated as entities of specific importance for protection and rescue in the Republic of Serbia.		MI SEM	Entities within the system	Q4 of 2017	/	/	/
	3. Defining tasks for all entities of specific importance for protection and rescue which role was defined in the National Protection and Rescuer Plan (result 4.2.3, activity 1) particularly for protection and rescue of people and material assets from certain hazards, or for evacuation, accommodation, first medical aid, rescue from ruins and other civil protection related tasks.		MI SEM	Entities within the system	Q3 of 2017	/	/	/
	4. Support in the elaboration of		LSGs	MI SEM	Q3 of 2017	/	/	EUR 100,000

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	plans for protection and rescue in emergency situations in LSG (based on the act on vulnerability and risk assessment, component 2, result 2.2.5, activity 3).	Percentage of the successfully implemented protection and rescue plans at local level BV:0% TV: 100%	SCTM	MH MAEP MD				
	5. Defining tasks for all legal entities capacitated in protection and rescue in LSGs which were assigned, by the Protection and Rescue Plan (result 4.2.3, activity 1), with certain roles in protection and rescue of people and material assets from hazards.		LSGs Capacitated legal entities,	MI SEM SCTM	Q3 of 2017	/	/	/
	6. Design a register/database of authorized and capacitated legal entities of importance for protection and rescue in LSGs.		LSGs	SCTM	Q2 of 2017	/	/	EUR 10,000
	7. Development of a National Emergency Protection and Rescue Plan ³⁷ (based upon the act on vulnerability and risk assessment, Component 2, result 2.2.5, activity 3).		MI SEM	Republic HQ for Emergency Situations	Q2 of 2017	/	/	EUR 20,000
4.2.4. Capacities of the National Training Centre for the needs of strengthening institutional capacities at all governmental	1. Improvement of training curriculum in response in case of emergency situation for the central governmental level.	Increased number of trained persons (expressed in %)	MI SEM NTC	MRS, RCS	Q3 of 2017	/	/	EUR 52,000
	Improvement of training curriculum in response in case of emergency		MI SEM NTC	RHMI Jaroslav	Q4 of 2017	/	/	EUR 3,000

³⁷ Developed on the basis of the Law on Emergency Situations, Article 13, item 5.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
levels for the preparedness and response in emergency situations are improved.	situation for the local governmental level.			Cerni WPUC				
	3. Organizing training sessions in line with the National Curriculum (activity 1) Striving towards gender balance among participants.		SEM	Entities within the system	continuous	/	/	EUR 3,600
	4. Organizing training sessions for the representatives of LSGs in line with the Curriculum (activity 2). Striving towards gender balance among participants.		MI SEM NTC	LSGs SCTM	continuous	/	/	EUR 18,400
4.2.5. Necessary equipment to respond in case of emergency is procured at all governmental levels	1. Development of the records – Consolidated Database of all material and technical available resources at the national level taking into account the equipment, technology and resources the Sector for Emergency Management and other authorized legal entities capacitated for protection and rescue possess.	Percentage of the equipment procured in line with the needs assessment	MI SEM	Entities within the system	Q2 of 2017	/	/	/
	2. Development of a database of the inventoried and registered equipment and technology at the level of each LSG, and submit one copy of a database at the district level so as to develop a database at the county level which would contain registered in each individual county all registered and		MI SEM organizational units	LSG, Capacitated legal entities, VFA, Red Cross municipal organization MRS,	Q3 of 2017	/	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	inventoried equipment and material and technological resources of municipalities and cities pertaining to that certain county.			SCTM				
	3. Assessment of required resources, equipment and technology for equipping operational protection and rescue forces and for planning adequate response at hazards causing emergency situations, at both central and local level.		MI SEM	/	Q3 of 2017	/	/	/
	4. Purchase of necessary equipment in line with the assessment under the activity 3.		MI SEM	/	Q4 of 2019	/	/	The total estimated value of the equipment to be purchased amounts to EUR 300,000,000. The precise value will be determined after the inventory taking and assessment
4.2.6. Capacities for timely response of	1. Analysis of the staff-related situation and of material and	Percentage of all	MI SEM	/	Q2 of 2017	/	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
firefighting and rescue units in emergency situations are improved	technical capacities of professional firefighter and rescue units.	implemented recommendations compared to the analysis BV: 0% TV: 100%						
	2. Implementation of the analysis recommendations from the result 4.2.6, activity 1.		MI SEM	/	Q4 of 2019	/	/	Resources will be known after the analysis
	3. Purchase of the equipment needed to respond in emergency situations: -rescue ropes 3 pcs -trailers 3 pcs -fishing overalls 40 pcs -diving suits 123 pcs -gloves 123 pcs -boots 253 pcs -floating rope 148 pcs -helmet 188 pcs -wests 188 pcs -tube life rafts 40 pcs	Increased percentage of emergency situations at the annual level wherein firefighter and rescue units timely and efficiently respond to hazard (according to the reports of the competent institutions)	MI SEM	UNDP PIMO	Q1 of 2017	/	UNDP Project EUR 85,000 from Japanese donation Project: Increased Resilience to Respond to Emergency Situations	/
	4. Purchase of equipment to respond in emergency situations (specification of equipment is given in the Annex 4 of the Action Document IPA 2014-2020 – Flood Recovery and Prevention in		DEURS	MI SEM PIMO	Q4 of 2018	/	EUR 740,000 IPA II 2014-2020	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
	Serbia ³⁸⁾							
4.2.7. Capacities for timely response of voluntary firefighters' associations (VFA) in emergency situations are improved	1. Adoption of measures determining the status of voluntary firefighters' associations in the Republic of Serbia.	Percentage measures implemented	MI SEM	Firefighters' Association	Q4 of 2017	/	/	/
	2. Implementation of VFA assistance measures.		MI SEM	Firefighters' Association	Q4 of 2018	/	/	EUR 500,000
4.2.8. Stocks of items for emergency situations/recovery are secured.	1. Design (and afterwards regular update) of database of stocks and needs items for emergency situations and recovery.	Percentage of secured stocks in line with the database of stocks for emergency situations and recovery TV: 100%	MI SEM	/	Q2 of 2017	/	/	/
	2. Supplementing stocks in line with the identified needs from the activity 1.		MI SEM	/	continuous	/	/	Resources will be known after the development of the database from the activity 1
Measure 4.3: Establishment of a civil protection system in emergency situations								
4.3.1. Conditions for development of operational specialized civil protection units are	1. Design of database of available capacities of specialized civil protection units.	Increased number of operational specialized civil protection units in	MI SEM	LSGs	Q2 of 2017	/	/	/
	2. Purchase of uniforms and		MI SEM	/	Q2 of 2019	/	/	EUR

³⁸ Field vehicles for transporting of staff and equipment – Compact off road, 4x4 Diesel Manual GPS Europe 2 x 15,000 = 30,000
 Field vehicles for transporting staff and equipment – off road, 4x4, Pick up double cabin, diesel manual 2 x 40,000 = 80,000
 Van - transporter shuttle for transporting people (citizens) during the process of evacuation, diesel manual 2 x 40,000 = 80,000
 Generators, four point, capacity 15-25 Hp 30 x 5,000 =150,000
 Sewage pumping units – multi-purpose pumping unit designed for pumping contaminated liquids, sewage and sludge, with accessory parts 4 x 100,000 = 400,000
 Sub Total 740,000

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
ensured	necessary equipment ³⁹ for members of the specialized civil protection units.	2020 by 10% compared to 2014						1,000,000
	3. Organize trainings, drills and simulations for members of specialized civil protection units.		MI SEM-NTC	LSGs	continuous	/	/	EUR 128,000
4.3.2. Capacities of general civil protection units in LSGs are improved. Strive towards gender balance among unit members.	1. Improvement of the curriculum for training of members of general civil protection in line with the international practice and EU mechanism.	Percentage of the implementation of the curriculum for training of members of general civil protection in line with the EU practice Percentage of LSGs with trained staff in transmitting early warning and response in case of disaster in line with the EU civil protection mechanisms	MI SEM-NTC	EU	Q4 of 2017	/	/	EUR 9,100
	2. Organising drills for members of general civil protection to simulate response in emergency situation.		MI SEM	Regional Training Centres LSGs	2018	/	/	EUR 48,000
	3. Purchase of equipment / basic rescue kits for local self-government units.		LSGs	/	Q2 of 2019	/	/	EUR 580,000
	4. Purchase of general equipment for general civil protection units in LSGs.		LSGs	/	Q2 of 2019	/	/	EUR 362,500
	5. Conduct emergency situations simulation drills in LSGs.		LSGs	MI SEM, MD, MH, Red Cross	continuous	/	/	EUR 80,000
4.3.3. System for accommodation of	1. Analysis of needs and availability of capacities for	Percentage of timely and efficiently	MI SEM	LSG, MD	Q2 of 2017	/	/	

³⁹³⁹ This equipment for water and underwater rescue, for rescue from ruins, for RHB protection, for fighting forest fires).

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
evacuated and vulnerable population is developed in line with the national risk assessment (Component 2)	accommodation of evacuated and vulnerable population in line with the national needs assessment.	evacuated population and accommodated vulnerable population, out of the total number of vulnerable population at annual level						EUR 19,500
	2. Design of closed consolidated database (in line with the Law on Risk Management in Emergency Situation), on evacuated, vulnerable and missing population so as to build capacities for restoring family links.		MI SEM MLEVSA	RCS	Q2 of 2017	/	/	EUR 5,000
	3. 3. Design of a programme for building capacities of national and local institutions for accommodation of evacuated and vulnerable population with special focus on vulnerable groups (including collection of segregated data by age, gender and gender-sensitive data).		RCS	MI SEM MLEVSA LSGs	Q4 of 2017	/	/	EUR 24,000
	4. Building of resilience in line with the programme (activity 1) including strengthening psychological support, health care, reinforcement of facilities and sites for displaced persons and cooperation with educational institutions.		RCS MESTD	MH, MI SEM	Q2 of 2018	/	/	Required funds will be known after the results from the activity 1.
Measure 4.4: Establishment of communication system in the course of emergency situation								
4.4.1. Capacities for	1. Development of communication	Percentage of	MI SEM	Republic	Q2 of 2018	/	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target value	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Other sources	
management of information in emergency situation of the Republic Headquarters for Emergency Situations are improved.	procedures among institutions at all governmental levels in the course of emergency situation (crisis management).	coverage of the territory of the Republic of Serbia with the system for communication TV: 100%		HQ for Emergency Situations				
	2. Purchase of equipment for TETRA communication system, mobile phones with possibilities of geographic positioning of rescuers' location (to be able to monitor the whole territory of Serbia it is necessary to purchase 600 pcs of hand-held, 300 pcs vehicle and mobile Tetra communication systems).		MI SEM	/	Q4 of 2019	/	/	EUR 700,000
Information in course of emergency situation are timely available to the media and the public	1. Development of procedures and standard form of information in the course of emergency situation so as to ensure alignment of information.	Number of timely and efficiently released pieces information to the media and the public in the course of emergency situation (per emergency situation)	MI SEM	MCI	Q4 of 2017	/	/	EUR 3,600
	2. Development of guidelines for communication procedures in LSGs in emergency situations.		SCTM	MI SEM	Q4 of 2017	/	/	EUR 3,600
	3. Organizing roundtables/workshops to have dialogue with the media covering the topic informing in the course of emergency situation.		MI SEM	MCI SCTM	continuous	/	/	EUR 4,000
Total budget for Component 4.						/	EUR 8,735,688	EUR 321,959,400

Component 5: Strategies for risk financing

Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
Specific objective 5: Establishment of a sustainable financing system for disaster and other hazard risk management					Indicator: Sustainable financing system for disaster and other hazard risk management is established BV: No TV: Yes			
Measure 5.1: Establishment of instruments for financing the system for disaster and other hazard risk management planned on the basis of risk assessment								
5.1.1. Preconditions for efficient disaster and other hazard risk management financing are created and capacities are improved	1. Development of a study for identification of financial obligations related to prevention and elimination of disaster consequences, with detailed recommendations.	Percentage of the implementation of the strategy for financing system for disaster risk management	MF	WB (GFDRR)	Q3 of 2017	/	USD 50,000 (EUR 45,400) Project implemented by WB	/
	2. Establishment and capacity building of one organizational unit within the Ministry of Finance to be in charge of the financing process of the System for disaster and other hazard risk management in line with the study (activity 1).		MF	WB (GFDRR)	Q1 of 2017	/	USD 150,000 (EUR 136,200) Project implemented by WB	/
	3. Development of a national strategy for financing the system for disaster and other hazard risk management which would encompass all sectors.		MF, PIMO	WB (GFDRR)	Q4 of 2017	/	USD 25,000 (EUR 22,750) Project	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
							implemented by WB	
	4. Development of clear procedures for financing consequences caused by disasters at all governmental levels in line with the law regulating the emergency situation and recovery subject-matter. Set precise procedure for financing all costs even in the aftermath of a disaster or any other hazard.		MI SEM	MF, PIMO	Q4 of 2017	/	USD 60,000 (EUR 50,000) Project implemented by WB	/
Measure 5.2: Creation of necessary preconditions for the improvement of disaster risk transfer								
5.2.1. Coverage of insurance against disasters and other hazards is increased	1. Organizing campaigns to promote disaster and other hazard insurance at both national and local levels.	Percentage of the citizens and privately-owned facilities incurred against disasters and other hazards BV: 2.5% ⁴⁰ TV: 5%	MF	PIMO	Q4 of 2020	/	Project SEE and Caucasus 2012 EUROPA RE EUR 200,000 Project implemented by WB	/
	2. Implementation of disaster and other risk insurance project for South-East Europe and Caucasus 2012 EUROPA RE – (trial insurance policy sale began in September 2014).							
	4. Promote insurance of state-owned facilities against disaster							

⁴⁰Source National Bank of Serbia – according to the data submitted by insurance companies as at 31 December 2014, the appraised insured damages incurred by the 2014 floods amount to 4,695 million dinars which is only 2.5% of the overall damages.

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017 - 2020	Resources allocated		Resources required
						State budget	Other sources	
	and other hazards.							
	5. Support strengthening of the technical capacity of local insurance companies to meet high standards of insurance against disaster and other hazards.							
Total budget for Component 5.						/	EUR 454,350	/

Component 6: Resilient recovery

Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Donors	
Specific objective 6: National system for recovery in the Republic of Serbia is developed and enables efficient, prioritized and transparent post-disaster recovery					Indicator: Consolidated sustainable system for post/disaster recovery of the Republic of Serbia is created. BV 2015: No TV 2020: Yes			
Measure 6.1: Establishment of a system of rapid and accurate post-disaster and other hazard damage assessment								
Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017-2019	State budget	Donors	Resources required
6.1.1. System for post-disaster damage assessment is created in accordance with the international standards and methodology	1. Improvement of a methodology for post-disaster and other hazard damage assessment in line with the international standards and PDNA (post-disaster needs assessment) methodology, UN, WB and EU (post-disaster need assessment).	Increased percentage of the total post-disaster damage assessment in line with the international standards and methodology (PDNA)	PIMO	MCTI, SORS UNDP, EU, WB (GFDRR)	Q4 of 2017	/	/	EUR 15,000
	2. Designing uniform forms for all sectors to be used for collection of damage and loss related data.	BV 2014: 35% of the flood affected territory assessed according to the	PIMO	MCTI, SORS UNDP, EU, WB (GFDRR)	Q4 of 2017	/	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Donors	
	3. Design of a programme for online registration of damage in LSGs to be reported by citizens, companies and registered farms, which would be connected with other databases, cadastre, database of registered farms, Business Registers Agency, etc.	PDNA TV 2020: 100%	PIMO	MCTI, MPALSG, MAEP AAP, TA, RGA	Q4 of 2017	/	/	EUR 20,000
	4. Gap and needs analyses for development of baseline data in the Republic of Serbia to be used as a basis for damage assessment.	Increase percentage of citizens, companies and farms (out of the total number of those that prescribed themselves at the annual level) which damage is register using the online programme BV: 0% TV: 100%	PIMO	UNDP	Q2 of 2018	/	/	EUR 10,000
	5. Development of baseline data in the Republic of Serbia to be used as a basis for damage assessment.		PIMO	SORS UNDP, EU, WB (GFDRR)	Q4 of 2018	/	/	Resources will be known based upon the result from the activity 4.
	6. Connecting the baseline data with the integrated information system, the result 2.2.3. and Risk Register the result 2.2.5.		PIMO	UNDP, EU, WB (GFDRR)	Q4 of 2018	/	/	Resources will be known based upon the result from the activity 4.
6.1.2. Post-disaster and other hazard damage assessment capacities of the institutions at both national and local	1. Organizing training of trainers (ToT) so as to develop national capacities with the international PDNA licence. At least 5 trained PDNA trainers. Striving towards		Number of trained trainers BV: 0 TV: 5	PIMO	UNDP, EU WB (GFDRR)	Q2 of 2017	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Donors	
levels are improved in line with the international standards and methodology	gender balance among participants.	Total level of the implementation of the curriculum for licensed trainings at both national and local levels BV: 0% TV: 100%						
	2. Development of a curriculum of the licensed (based on the licensing when conducting public procurement) training for PDNA representatives and representatives of national institutions, LSGs and CSO to be in charge of damage assessment.		PIMO	OCOCD SCTM UNDP, EU, WB (GFDRR)	Q4 of 2017	/	/	EUR 10,000
	3. Conducting licensed training sessions for PDNA representatives of institutions, LSGs and CSOs who will be in charge of damage assessment. Striving towards gender balance among participants.		PIMO	UNDP, EU, WB (GFDRR) SCTM	2018-2020	/	/	EUR 1,600
	4. Conducting training sessions for relevant institutions at national level and in LSGs in baseline data gathering, loss and damage assessment data and reporting procedures.		PIMO	NTC SCTM UNDP, EU, WB (GFDRR)	Q4 of 2017	/	/	EUR 1,600
	5. Designing and updating registers of trained staff from the national institutions, LSGs and CSOs who are holders of the license enabling them to be involved in post-disaster and other hazard damage assessment (who		PIMO	SCTM NTC	Q4 of 2020	/	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Donors	
	underwent the training session from the activity 7).							
6.2. Establishment of a functional and sustainable disaster and other hazard recovery system								
6.2.1. Legal framework regulating recovery process in the Republic of Serbia is improved in line with the international standards	1. Alignment of the legal framework with the conclusions COP21 Paris Conference on Climate Change from December 2015.	Percentage of the alignment between the recommendations and national legislation BV:0% TV: 100%	PIMO	MAEP MFA, UN	Q2 of 2017	/	/	EUR 3,600
6.2.2. Mechanism for prioritization of resource allocation in the course of the recovery process is established	Preparation of the criteria for allocation / prioritization of funds per sectors in the recovery process.	Criteria prepared BV: no TV: yes	Government of the RS	PIMO	Q2 of 2017	/	/	EUR 10,000
	2. Preparation of a manual for the implementation of all statutory provisions regulating post-disaster and other hazard recovery process.	Increased percentage of facilities recovered after disaster at the annual level (compared to the total number of damaged facilities) in line with the manual (activity 1) and guidelines (activity 2)	PIMO	MCTI MI SEM SCTM	Q2 of 2017	/	/	EUR 500
	3. Preparation of guidelines for resilient recovery, so as to build back better and be more resilient to future disasters and other hazards.		PIMO	MCTI MAEP MI SEM MME	Q2 of 2017	/	/	EUR 22,500
	4. Defining standard procedures for monitoring, evaluation and reporting in the recovery process		PIMO	MCTI MI SEM SCTM	Q4 of 2017	/	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
(2017 -2020)

Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Donors	
6.2.3. Institutional mechanisms for successful conduct of post-disaster and other hazard recovery process are established	1. Identification of focal points in the organisational units of all relevant agencies/ministries to be in charge of needs assessment, recovery planning process and conduct of the recovery.	Number of focal points BV: 0% TV: one focal point in each national institution, two focal points in each LSG Number of officials trained to act in the recovery process BV: 0 TV: 50	PIMO	Entities within the system	Q4 of 2017	/	/	/
	2. Development of standard operating procedures for inter-institutional cooperation in the recovery process, with clear roles and responsibilities assigned to all involved institutions, as well as clearly established lines of responsibilities between the central and local levels as for the recovery and reconstruction.		PIMO	MI SEM MCTI MPALSG MAEP MEP MH MD MF	Q4 of 2017	/	/	EUR 4,500
	3. Development of the program for professional development in the post-disaster recovery process, with special focus on the preparation of the cost financing procedures in the course and after disaster.		PIMO	MI SEM MCTI MPALSG MAEP MEP MH MD MF SCTM	Q4 of 2017	/	/	EUR 4,500
6.3. System of public facilities more resilient to disaster and other hazards is established								
6.3.1. Assessment, planning and implementation of the	1. Development of the plan and programme for adaptation and reconstruction of public facilities to	Increased percentage of reconstructed public	PIMO		Q1 of 2017	/	/	/

Action Plan for the Implementation of the National Disaster Risk Management Programme
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Results	Activities	Indicators with baseline and target values	Lead institution	Partner institution(s)	2017-2020	Resources allocated		Resources required
						State budget	Donors	
project whose goal is to make public facilities more resilient to disasters and other hazards	be more resilient to disasters and other hazards ⁴¹ . 2. Implementation of the plan and programme for adaptation and reconstruction of facilities which are more resilient to disasters and other hazards.	facilities which are more resilient to future disasters	PIMO	UNDP, EU, WB, GFDRR	Q4 of 2018	/	/	Resources required would be known based upon the result from the activity 1.
Total budget for Component 6.						/	/	EUR 123,800

⁴¹It is necessary to make an assessment with financial implications for recovery and reconstruction of all public facilities in the whole territory of the Republic of Serbia in line with the experience gained in the recovery process in which process the PIMO applied the "Build Back Better" principle.