

Action Plan 2017-2020 of the National Disaster Risk Reduction Strategy of Georgia

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
1. Floods and flashfloods risk Reduction	1.1. Ensure installation of high accuracy automatic equipment for measuring water level in the gorge of the Devdoraki-Amali rivers;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2016	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency;	1 036 000 GEL	Completed	The observation system was purchased and delivered to Georgia. At present, necessary documents are submitted to the Government in order to allocate funds necessary for the implementation of work in the Devdoraki River gorge.
	1.2. Ensure installation of software in order to use the data received from Sakaeronavigatsia's meteorological radar (located in Tbilisi) for weather forecasts;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2016-2017	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency;	260 000 GEL	Ongoing	Negotiations are going on for solving technical issues.
	1.3. Ensure purchase and installation of a meteorological radar in Kutaisi;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency; US Government;	2016 - 2017	US Government - GEL 2 600 000; Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency - GEL 300 000;	2 900 000 GEL	Ongoing	The US Government is purchasing a meteorological radar within the support of the International Atomic Energy Agency. Presumably the radar will be purchased in March 2017.

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	1.4. Ensure purchase and installation of two sets of aerological equipment;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018 - 2019	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency/Donor organization;	1 000 000 GEL	Planned	In order to ensure highly accurate weather forecasts, it is necessary to carry out observations on meteorological parameters in high layers of the atmosphere (aerological observations). At present Georgia does not make any aerological observations. In order to cover the territory of Georgia with aerological observations, it is necessary to have minimum two sets of aerological equipment (sounding balloons, equipment for receiving signals from aerological sounding balloons, latex membranes, and hydrogen generators). One set will be installed in the West Georgia and the other in the East Georgia. It is necessary to purchase one equipment for receiving signals from the sounding balloons and a hydrogen generator. In order to carry out sounding twice in 24 hours, it is necessary to purchase latex balloons for GEL 430 000 every year.
	1.5 Ensuring implementation of studies necessary for developing hydraulic models of floods and flashfloods on the whole territory of Georgia;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency; Adaptation Fund;	2017-2020			Planned	The project proposal elaboration process is running.
	1.6. Ensure hydraulic and hydrological modelling in the River Vere basin;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency; UNDP;	2016	United Nations in Georgia/ From the UNDP budget;	40 000 GEL	Completed	

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	1.7 Ensure purchase / installation of mobile meteorological mini radars (60-100 km radius);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018 - 2019	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency/Donor organization;	2 400 000 GEL	Planned	
	1.8. Organization of topographic and hydrometric work and automatic hydrometeorological observations on the River Otskhe (Adigeni municipality – Abastumani);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency/Donor organization;	50 800 GEL	Planned	Until 1990s, hydrological observations on the Otskhe river, Abastumani resort have been conducted . It is necessary to restore the station and add equipment that measures meteorological parameters; one hydrological and one meteorological station. It is necessary to carry out hydrometric and topographic work and Hydraulic and hydrological modelling.
	1.8.1. Upon completion of the work specified in Paragraph 1.8, ensure implementation of bank protection measures on the River Otskhe (Adigeni municipality – Abastumani);	Ministry of Regional Development and Infrastructure of Georgia	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after finishing elaboration of the technical design of the corresponding project.
	1.9. Organization of automatic hydrometeorological observations on the Krikhula River (Ambrolauri municipality - Ambrolauri);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency/Donor organization;	25 000 GEL	Planned	In Ambrolauri there is an operating meteorological station of a mixed type (automatic and manual). In Nikortsminda there is a small weather station. Within the framework of the Rioni project hydrological modeling was carried out and the zones of floods with different recurrence periods were mapped. Coastal protection work was partially implemented in Ambrolauri. Hydrological observations have not been carried out on the Krikhula river. It is necessary to arrange a hydrometeorological station.

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	1.9.1. Upon completion of the work specified in Paragraph 1.9, ensure implementation of bank protection measures on the Krikhula River (Ambrolauri municipality - Ambrolauri);	Ministry of Regional Development and Infrastructure of Georgia	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after finishing elaboration of the technical design of the corresponding project.
	1.10. Implementation of topographic and hydrometric work and organization of automatic hydrometeorological observations on the Gveltakhevi River (Tianeti municipality - Zhebota);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency/Donor organization;	25 800 GEL	Planned	The hydrological station needs to be restored. It is necessary to implement hydrometeorological and topographic work, and hydraulic and hydrological modelling. Bank protection work is necessary on the left bank of the Iori river. Until 1990s there was a hydrological station at the junction of the rivers Kusnoskhevi and Iori.
	1.10.1 Upon completion of the work specified in Paragraph 1.10, ensure implementation of bank protection measures on the Gveltakhevi River (Tianeti municipality - Zhebota);	Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after finishing elaboration of the technical design of the corresponding project.
	1.11. Implementation of topographic and hydrometeorological work and organization of automatic hydrometeorological observations on the Kisiskhevi River (Telavi municipality - Kondoli);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency/Donor organization;	25 800 GEL	Planned	In 2012-2013, within the framework of a UNDP project, flood and flashflood hazards were identified in all valleys of Telavi municipality. Reports were prepared and flood maps published. In Telavi (5 km away from Kisiskhevi) an automatic meteorological station was installed. On Tsivgombori mountain, at the outfall of the Kisiskhevi river a wind sensor was installed. On Tsivgombori mountain it is necessary to add equipment for metering precipitation and temperature. On the Kisiskhevi river it is necessary to carry out hydrometeorological and topographic work. Besides, near the Kondol village bank protection work has to be implemented.
	1.11.1 Upon completion of the work specified in Paragraph 1.11, ensure implementation of bank protection measures;	Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after finishing elaboration of the technical design of the corresponding project.

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	1.12. Organization of hydrometeorological observations and implementation of bank protection measures and river of the Lajanuri River bed (Tsageri municipality - Orbeli);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018	Ministry of Environment and Natural Resources Protection of Georgia/budget of LEPL Natural Environment Agency/Donor organization;	25 000 GEL	Planned	In the Orbeli village, the river bed has to be cleaned on the right bank, under the bridge and bank protection measures need to be taken. In the Orbeli village a small weather station needs to be installed. Within the framework of Rioni project hydrological modelling of the Lajanuri River was carried out for different recurrence periods; Flood maps were prepared.
	1.12.1. Upon completion of the work specified in Paragraph 1.12, ensure implementation of bank protection measures and cleaning of the Lajanuri River bed (Tsageri municipality - Orbeli);	Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after finishing elaboration of the technical design of the corresponding project.
	1.13. Ensure identification of damaged sections of the dam and implementation of studies on the river Rioni (Khobi municipality – Kvemo Chaladidi);	Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018	The state budget/Donor organization;		Planned	No additional financing is needed
	1.13.1. Upon completion of the work specified in Paragraph 1.13, ensure restoration of the damaged sections of the dam on the river Rioni (Khobi municipality – Kvemo Chaladidi);	Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after finishing elaboration of the technical design of the corresponding project.
	1.14 Organization of automatic hydrometeorological observations on the river Rioni (Oni municipality - Ghebi);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency; Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018	Ministry of Environment and Natural Resources Protection of Georgia/budget of LEPL Natural Environment Agency/Donor organization;	25 000 GEL	Planned	Under the vehicle bridge, on the left bank of the river, there is a need to strengthen a 150-170 meter section. To the North, on the left bank of the river, the road was washed out and the settlement may be isolated from the rest of the world. Therefore, the bank needs to be strengthened. The height of the road to the Patara Gebi village needs to be increased (calculations must be based on water flow with 100 year recurrence period). The hydrological station needs to be restored. There is a weather station in the Gebi village; the hydrological station which existed on the bridge was washed of by the river.

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	1.14.1 Upon completion of the work specified in Paragraph 1.14, ensure implementation of bank protection measures on the river Rioni (Oni municipality - Ghebi);	Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after finishing elaboration of the technical design of the corresponding project.
	1.15. Implementation of topographic and hydrometric work and hydrological modeling on the river Kvirila (Sachkhere municipality - Chala);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018	Ministry of Environment and Natural Resources Protection of Georgia/budget of LEPL Natural Environment Agency/Donor organization;	40 800 GEL	Planned	On the right bank of the Kvirila river, in the center of the village, there is a need to strengthen a 400-500 meter section of the banks. Implementation of hydrometeorological and topographic work, as well as hydrological modelling is necessary. A meteorological station is operating in the Chikhi village of Sachkhere municipality and there is a hydrological station on the Kvirila river in Sachkhere.
	1.15.1. Upon completion of the work specified in Paragraph 1.15, ensure implementation of bank protection measures on the Kvirila River (Sachkhere municipality - Chala);	Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after finishing elaboration of the technical design of the corresponding project.
	1.16. Implementation of automatic hydrometeorological observations, topographic and hydrometric work and hydrological modeling on the river Cheremiskhevi (Gurjaani municipality - Cheremi);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018	Ministry of Environment and Natural Resources Protection of Georgia/budget of LEPL Natural Environment Agency/Donor organization;	65 800 GEL	Planned	No hydrometeorological monitoring is carried out on the Cheremiskhevi river and nearby territories. Implementation of hydrometeorological and topographic work, as well as hydrological modelling is necessary. Near the Velistsikhe village, the left bank of the river needs to be strengthened. One meteorological station needs to be installed in Cheremi.
	1.16.1. Upon completion of the work specified in Paragraph 1.16, ensure implementation of bank protection measures on the river Cheremiskhevi (Gurjaani municipality - Cheremi);	Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after finishing elaboration of the technical design of each project.

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	1.17. Implementation of automatic topographic and hydrometric work and hydrological modeling on the river Tsinandliskhevi (Telavi municipality - Tsinandali);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018	Ministry of Environment and Natural Resources Protection of Georgia/budget of LEPL Natural Environment Agency/Donor organization;	40 800 GEL	Planned	Hydrometeorological and topographic work needs to be implemented, as well as hydraulic and hydrological modelling. The left bank of the river needs to be strengthened near the Tsinandali village. In 2012-2013, within the framework of the UNDP project, flood/flashflood hazards were identified on the river Tsinandliskhevi. Reports were prepared and flood maps published.
	1.17.1. Upon completion of the work specified in Paragraph 1.17, ensure implementation of bank protection measures on the river Tsinandliskhevi (Telavi municipality - Tsinandali);	Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2018-2020	The state budget/Donor organization;		Planned	Necessary funding will be estimated after the design of a corresponding project.
	1.18.Ensure reinforcement of a quarry-stone wall, installation of 1500 meter high reinforced concrete screen (including construction of a new 200 meter long concrete wall) on the river Duruji; In the upstream area of the gorge - extension of the existing gabionade length by 40-50 meters and increase of its height by 2 tiers; Regular cleaning of the river bed – minimum 500 000 m ³ annually.	Ministry of Regional Development and Infrastructure of Georgia ;	2016-2017	The budget of Ministry of Regional Development and Infrastructure of Georgia	3 000 000 GEL	Ongoing	Elaboration of the project design for rehabilitation of the quarry-stone wall is going on. (the estimated price does not include the costs of regular cleaning of the river bed) Besides annual cleaning of the river bed, it is necessary to clean the accretion mass brought by the river during the previous years. According to the initial assessments, minimum 15 000 000 m ³ sediments must be removed from the river bed. Since the work volume is big, the decision must be made at the government level (see Paragraph 2.1).
1.1. Flood preparedness within the educational institutions	1.1.1. Implementation of continuous or, in case of impossibility, at least ten day /quarterly educational activities (evacuation training) at schools located in high risk geographic areas;	Ministry of Education and Science; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2016-2017	The budget of Ministry of Education and Science;		Ongoing	No additional financing is needed.
	1.1.2. Implementation of awareness raising trainings for parents;	Ministry of Education and Science; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2016-2020	The budget of Ministry of Education and Science;		Ongoing	No additional financing is needed. The specialists of Ministry of Education and Science will select an appropriate school.

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2. Landslide-gravitational and mudflow risk reduction	1.1.3. In order to raise the awareness of the population, ensure preparation and broadcasting of a special educational TV program about flood / flashflood risk reduction (diversity/selection of topics will be based on seasonal priorities);	Ministry of Education and Science; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2016-2020	The budget of Ministry of Education and Science;		Ongoing	No additional financing is needed.
	1.1.4. Preparation of weekly educational TV programs;	Ministry of Education and Science; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2016-2020	The budget of Ministry of Education and Science;		Ongoing	No additional financing is needed.
	2.1. In order to ensure protection from flashflood developed in the basin of the river Duruji, the following urgent measures need to be taken: 1. The Duruji river bed has to be cleaned regularly; 2. The river bed has to be expanded and made linear; the main water flow has to be concentrated in the center of the river bed (central axis); 3. At the dam foundation, washed slopes need to be filled with sediment materials removed from the river bed; 4. Restoration of the damaged sections of the dam and arrangement of new ones, where needed; 5. Construction of a one span bridge with high conductive capacity on the river Salmiskhevi; 6. Promotion of practices when the material accumulated in the floodplain and river bed is used for entrepreneurial activities;	Ministry of Regional Development and Infrastructure of Georgia ;	2016 - 2020			Ongoing	At present, the river bed is being cleaned in the middle part of the cone of the Duruji River, while in the upstream part – an early warning system for floods is being installed within the framework of a project funded by the Polish Government.

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	<p>2.2 The following geological studies to be carried out in Tbilisi, on the adjacent territory of Mukhatgverdi cemetery:</p> <ol style="list-style-type: none"> Detailed engineering-geological study of the territory; Drilling – total 350 m; Study of physical /mechanical and geotechnical characteristics of the ground: <ol style="list-style-type: none"> field work; Laboratory tests. Hydrological research – study of underground water; Topographic-geodesic mapping (scale: 1:2 000); Elaboration of a summarizing engineering-geological report with corresponding recommended activities and preparation of a special map in the GIS system. 	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018 - 8 months from the start of the work	Ministry of Environment and Natural Resources Protection of Georgia/budget of LEPL Natural Environment Agency/Donor organization;	160 000 GEL	Planned	<p>Monitoring carried out in 2016 demonstrated that the situation is extremely complicated and the hazard risk area had increased significantly. The risk area includes not only access roads, but also part of the cemetery territory and certain districts of Didi Digomi settlement. Therefore, it is necessary to carry out a complete study of engineering-geological conditions not only in the landslide areas, but also on a larger territory, including landslide development conditions, and to work out management measures.</p> <p>It must be noted here that in Autumn 2016, the National Environmental Agency is planning to arrange a monitoring network on the access road and adjacent territory of Mukhatgverdi cemetery in order to find out the landslide dynamics.</p>
	<p>2.3. Implementation of detailed engineering-geological studies of landslides and mudflows between the rivers Gomborula and Tordu and in a section of Gombory mountain pass:</p> <ol style="list-style-type: none"> Preparation of topographic maps (minimum 1:25 000 scale) Comprehensive engineering-geological studies: <ol style="list-style-type: none"> Spatial engineering-geological mapping of the territory; Drilling - 400 meters; Study of the ground water levels and regime; <ol style="list-style-type: none"> in the field; at the laboratory; Elaboration of a summarizing engineering-geological report with corresponding recommended activities and preparation of a special map in the GIS system; 	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018-12 months from the start of the work	Ministry of Environment and Natural Resources Protection of Georgia/budget of LEPL Natural Environment Agency/Donor organization;	500 000 GEL	Planned	<p>On the territory between the rivers Gomborula and Tordu there are extremely complicated and diverse landslide and mudfloe processes which periodically significantly damage the road between Tbilisi and Telavi, threaten the population of the villages Gombori, Tetri Tsklebi and Kobadze and destroy their infrastructure. Full scale engineering-geological study of the territory has never been done. Only some periodical monitoring and assessment of the situation has been implemented. In order to have a realistic picture of the complicated geological processes, cause-effect relationship of their formation and activation, risk level and possible solutions, it is necessary to implement detailed comprehensive engineering-geological studies, prepare special maps of minimum 1:25 000 scale and indicate necessary management measures.</p>

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	2.4. Implementation of engineering-geological studies for risk reduction in the ravines of the left tributaries of the River Iori (Tvaltakhevi, Antoki, and Chailuri), in order to make the most optimal decisions on the tributaries that need to be cleaned and the amounts of sediments that have to be removed from each section. It is necessary to conduct preliminary studies and prepare minimum 1:25 000 scale special maps. For this purpose, it is necessary to implement engineering-geodynamic studies in the valleys of all abovementioned rivers and prepare corresponding reports;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018-3 months from the start of the work	Ministry of Environment and Natural Resources Protection of Georgia/budget of LEPL Natural Environment Agency/Donor organization;	130 000 GEL	Planned	
	2.5. Construction of 500/220 kV substation Jvari;	Ministry of Energy of Georgia;	2016	EBRD and KFW;	EUR 18 200 000	Completed	The project is currently at the phase of a feasibility study. Ministry of Environment and Natural Resources issued a license for production of gypsum from this site;
	2.6. Construction of 220 kV transmission line between substations Jvari and Khorga and connection of the existing 500 kV transmission line to Jvari substation;	Ministry of Energy of Georgia;	2016-2017	EBRD and KFW;	13 040 000 EUR	Ongoing	Some sections of 500 kV power transmission line Imereti (Enguri-Zestaphoni) are in the landslide hazard zones. If the line is disconnected, the existing 220 kV network will not be able to substitute it. This construction is necessary for elimination of the problem. It is also necessary for increasing the reliability and stability of the power system.
	2.7. Upgrade of the single-circuit 220 kV transmission line Menji-Khorga into a double-circuit transmission line;	Ministry of Energy of Georgia;	2016	JSC Georgian State Electrosystem, the World Bank	2 160 000 EUR	Completed	

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	2.8. Upgrade of the single-circuit 220 kV transmission line Kutaisi-Tskaltubo into a double-circuit transmission line;	Ministry of Energy of Georgia;	2016	JSC Georgian State Electrosystem, the World Bank	4 393 800 EUR	Completed	
	2.9. Upgrade of the single-circuit 220 kV power transmission line Kutaisi-Zestaphoni into a double-circuit transmission line;	Ministry of Energy of Georgia;	2016-2017	JSC Georgian State Electrosystem, the World Bank	3 712 786 EUR	Ongoing	
	2.10. Reconstruction of the 220 kV power transmission line Menji-Kutaisi;	Ministry of Energy of Georgia;	2017	JSC Georgian State Electrosystem, the World Bank	2 000 000 USD	Planned	
	2.11. Reconstruction of 110 kV power transmission line interconnecting substations Kazbegi and Larsihesi and located in the landslide hazard area;	Ministry of Energy of Georgia;	2016	Darial Energy Ltd.	2 200 000 USD	Completed	
	2.12. Installation of a hanging (on cables) section of the 1200 mm gas pipeline over the hazardous area at Kuro;	Ministry of Energy of Georgia;	2016-2017	JSC Oil and Gas Corporation;	3 551 000 GEL	Ongoing	The objective of this project is to increase the stability and reliability of the system.
	2.13. Rehabilitation of the 77.4 km section of 700mm gas pipeline Khashuri (Vaka) – Zestaphoni;	Ministry of Energy of Georgia;	2017-2020	JSC Oil and Gas Corporation;	88 000 000 GEL	Planned	This measure is a part of the work ongoing and planned for pipelines passing through landslide areas; It also serves the purpose of increasing reliability of the gas supply system.
	2.14. Rehabilitation of a gas pipeline Tabatskuri – Bakuriani (or Vaka – Bakuriani);	Ministry of Energy of Georgia;	2018 -2019	JSC Oil and Gas Corporation;	9 000 000GEL	Planned	This measure also serves the purpose of increasing reliability of the gas supply system.
3. Biological Risk Reduction	3.1. Identification of the baseline data of disease cases caused by highly dangerous biological pathogens and ensuring data collection and analysis during routine epizootic monitoring;	Ministry of Labour, Health and Social Affairs of Georgia/ LEPL the National Center for Disease Control and Public Health;	Continuously	Ministry of Labour, Health and Social Affairs of Georgia/ the budget of the National Center for Disease Control and Public Health;		Ongoing	No additional financing is needed. The National Center for Disease Control and Public Health constantly implements epizootic monitoring program funded from the institutions budget. Besides, assistance can be received in the form of different projects from different international organizations (WHO, CDC).

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	3.2. To update a map of endemic spread of highly dangerous biological pathogens;	Ministry of Labour, Health and Social Affairs of Georgia/ LEPL the National Center for Disease Control and Public Health;	Continuously	Ministry of Labour, Health and Social Affairs of Georgia/the budget of the National Center for Disease Control and Public Health;		Ongoing	No additional financing is needed.
	3.3. Elaboration of an algorithm for assessment of general risk of biological incidents;	Ministry of Labour, Health and Social Affairs of Georgia/ LEPL the National Center for Disease Control and Public Health;	Continuously	Ministry of Labour, Health and Social Affairs of Georgia/The budget of the National Center for Disease Control and Public Health;		Ongoing	No additional financing is needed.
	3.4. Elaboration of a public communication plans to be used in case of biological incidents / epidemic outbreak /epidemics / pandemic;	Ministry of Labour, Health and Social Affairs of Georgia/ LEPL the National Center for Disease Control and Public Health;	Continuously	Ministry of Labour, Health and Social Affairs of Georgia/The budget of the National Center for Disease Control and Public Health;		Ongoing	No additional financing is needed.
	3.5. Ensuring revision, approval and updating of response plans for biological incidents / epidemic outbreaks /epidemics / pandemic;	Ministry of Labour, Health and Social Affairs of Georgia/ LEPL the National Center for Disease Control and Public Health;	Continuously	Ministry of Labour, Health and Social Affairs of Georgia/The budget of the National Center for Disease Control and Public Health;		Ongoing	No additional financing is needed.

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	3.6. Elaboration and updating of disease specific response plans;	Ministry of Labour, Health and Social Affairs of Georgia/ LEPL the National Center for Disease Control and Public Health;	Continuously	Ministry of Labour, Health and Social Affairs of Georgia/The budget of the National Center for Disease Control and Public Health;		Ongoing	No additional financing is needed.
	3.7. Enhancement of epizootic supervision of diseases caused by highly dangerous pathogens and ensuring data collection and analysis;	Ministry of Agriculture of Georgia /LEPL the National Food Agency;	2017	Ministry of Agriculture of Georgia /the budget of LEPL the National Food Agency;	1 013 000 GEL	Planned	Every year, within the government program, LEPL the National Food Agency implements preventive measures against highly dangerous diseases. Besides, with the help of international organizations, it also implements projects to identify diseases caused by highly dangerous pathogens and to study their prevalence.
	3.8. Elaboration and updating of maps showing spread of diseases caused by highly dangerous pathogens;	Ministry of Agriculture of Georgia /LEPL the National Food Agency;	Continuously	Ministry of Agriculture of Georgia /the budget of LEPL the National Food Agency;	7 000 GEL annually	Ongoing	
	3.9. Ensure the enhancement of bio-security and bio-protection during implementation of field work;	Ministry of Agriculture of Georgia /LEPL the National Food Agency;	2016-2020	Ministry of Agriculture of Georgia /the budget of LEPL the National Food Agency;	349 920 GEL annually	Ongoing	The personnel working in this area must be regularly trained on bio-safety issues. The personnel shall have appropriate equipment.
	3.10. Ensure the dissemination of information among the population during epidemic outbreaks of diseases caused by highly dangerous pathogens;	Ministry of Agriculture of Georgia /LEPL the National Food Agency;	2016-2020	Ministry of Agriculture of Georgia /the budget of LEPL the National Food Agency;	30 000 GEL annually	Ongoing	Sharing of other countries' experience, if needed.
	3.11. Ensure the development of plans for response to diseases caused by highly dangerous pathogens;	Ministry of Agriculture of Georgia /LEPL the National Food Agency;	Continuously	Ministry of Agriculture of Georgia /the budget of LEPL the National Food Agency;		Ongoing	No additional financing is needed. Sharing of other countries' experience, if needed.
	3.12. Ensure the creation of sufficient supply of medications against diseases caused by highly dangerous pathogens;	Ministry of Agriculture of Georgia /LEPL the National Food Agency;	2016-2020	Ministry of Agriculture of Georgia /the budget of LEPL the National Food Agency;	3 223 150 GEL annually	Ongoing	Certain reserve stock needs to be created taking into account the epizootic situations existing in the neighboring countries and Georgia's transit function.

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	3.13. Ensure the effective implementation of border control measures during export-import;	Ministry of Finance of Georgia/ LEPL the Revenue Service; Ministry of Internal Affairs of Georgia; Ministry of Agriculture of Georgia /LEPL the National Food Agency;	Continuously			Ongoing	No additional financing is needed.
	3.14. Ensure the preparation of a manual on bio-safety;	Ministry of Agriculture of Georgia /LEPL the National Food Agency;	2016-2017	Ministry of Agriculture of Georgia /the budget of LEPL the National Food Agency; Donor organization DTRA;	500 GEL	Ongoing	Work on the manual is carried out with the help of the US Defense Threat Reduction Agency. The budget covers only the printing costs.
	3.15. Implementation of joint trainings for personnel of the law enforcement bodies and institutions working in the human and animal healthcare sectors. The trainings must cover the issues related to identification of and response to situations carrying potential biological hazards (including criminal and epidemiological investigation - practical component);	Ministry of Agriculture of Georgia /LEPL the National Food Agency; Ministry of Internal Affairs of Georgia; Ministry of Labour, Health and Social Affairs of Georgia/LEPL the National Center for Disease Control and Public Health;	2016-2020	Donor organizations;		Ongoing	Donor organizations constantly provide assistance for training the personnel of these institutions. No additional financing is needed.
	3.16. Elaboration of emergency management and biological risk management plans at all levels, taking into account the risks of chemical, biological, radiological and nuclear processes (in this case biological);	Ministry of Internal Affairs of Georgia/ LEPL Emergency Management Agency; Ministry of Labour, Health and Social Affairs of Georgia; Ministry of Agriculture of Georgia ;	2017-2018	Ministry of Internal Affairs of Georgia/ The budget of the LEPL Emergency Management Agency;		Planned	No additional financing is needed.
	3.17. Organization of preparation and maintenance of safety passports and declarations at biologically hazardous facilities for identification and assessment of risks related to potential development of hazardous natural and technogenic emergency situations;	Ministry of Internal Affairs of Georgia/ LEPL Emergency Management Agency;	2017-2018	Ministry of Internal Affairs of Georgia/, The budget of the LEPL Emergency Management Agency;		Planned	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	3.18. Ensure periodical simulation exercises and trainings on emergency situations that may be caused by biological incidents/epidemic outbreak /epidemics / pandemic;	Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency; Ministry of Labour, Health and Social Affairs of Georgia; Ministry of Agriculture of Georgia	2017-2020	Ministry of Internal Affairs of Georgia/ The budget of the LEPL Emergency Management Agency;		Planned	No additional financing is needed.
	3.19 Gathering of information and preparation of maps regarding diseases caused by highly dangerous biological pathogens, their endemic area and locations, in order to create an integrated electronic data base;	Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency; Ministry of Labour, Health and Social Affairs of Georgia/LEPL the National Center for Disease Control and Public Health; Ministry of Agriculture of Georgia /LEPL the National Food Agency;	2016-2020	Ministry of Internal Affairs of Georgia/ The budget of the LEPL Emergency Management Agency;		Ongoing	No additional financing is needed.
4. Earthquake Risk Reduction	4.1. Ensure the assessment of Georgia's seismic hazards;	Illia State University/ the Institute of Earth Studies /the National Seismic Monitoring Center; MIT; Massachusetts Technological University; USA;	2016-2017	The US State Department; Lawrence Livermore National Laboratory	100 000 USD	Ongoing	Modernization of the seismic and geophysical monitoring systems will improve accuracy of calculations necessary for preparation of a seismic hazard map. At present, the research is based on the data of an analogue network and the digital network data for last 12 months. The analogue data needs to be processed again in order to ensure higher accuracy of calculations. The map of seismic hazards must be updated once in every five years, based on new observation materials.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
4.1. Improvement of the legal framework regulating Georgia's spatial arrangement, urban development and construction sectors, in the context of European integration	4.1.1. Ensure the adoption of Georgia's spatial arrangement and construction code;	Ministry of Economy and Sustainable Development; German Federal Enterprise for International Cooperation (GIZ);	2016 - 2017	German Federal Enterprise for International Cooperation (GIZ);		Ongoing	A Draft Code of Georgia's Spatial Arrangement and Construction was submitted to the Government of Georgia for review.
4.2. Spatial and Territorial Planning	4.2.1. Ensure the development of a General Scheme for Georgia's spatial arrangement: 1. Definition of the organization framework; 2. Agreement of the spatial arrangement methodology; 3. Preliminary preparatory research; 4. Analysis of the existing situation; 5. Development of a common vision and general goals; 6. Development of a general scheme for Georgia's spatial arrangement; 7. Preparation of a general strategic action plan; 8. Approval of the general scheme; 9. Popularization and advertisement of the general scheme.	Ministry of Economy and Sustainable Development;	2016-2020	The state budget/ a donor organization;		Ongoing	On May 30, 2016 the 4 th meeting of the Government Commission on Development of the Spatial Arrangement Scheme took place. The meeting reviewed proposals submitted by four candidate consortiums. The Commission selected the proposal of consortium COWI (Denmark); In order to strengthen the main task force and supporting working group, the consortium has to nominate candidate foreign and Georgian specialists and experts, provide documents proving their qualification and experience and attach the organization structure; At present the materials are being prepared for submission to the Government.
	4.2.2. Ensure the preparation of documentation for urban development of Bakhmaro recreation territory;	Ministry of Economy and Sustainable Development;	2016-2017	The budget of Ministry of Economy and Sustainable Development;	177 000 GEL	Ongoing	On February 25, 2016, the Georgian Government issued Decree №317 – On Implementation of Certain Measures for Development of Bakhmaro Recreation Zone. Ministry of Economy and Sustainable Development announced a tender for preparation of documents on urban development of Bakhmaro recreation territory in order to select the design service provider. Art Studio Ltd won the tender. The tender winner has already started working on the urban development documentation.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	4.2.3. Ensure elaboration of documentation for spatial-territorial planning of Mestia municipality and Mulakhi community villages (11 villages: Cholashi, Artskheli, Zardalshi, Lakhiri, Majvdieri, Murshkeli, Zhabeshi, Zhamushi, Gvebra, Chvabiani, and Tsaldashi);	Ministry of Economy and Sustainable Development;	2016-2018	The budget of Ministry of Economy and Sustainable Development;	708 000 GEL	Ongoing	On May 5, 2016, the Georgian Government issued Decree №773 - On Implementation of Community Development Activities in Mestia and Mulakhi. Ministry of Economy and Sustainable Development announced a tender for preparation of spatial-territorial planning documents for villages of Mestia Municipality and Mulakhi community (11 villages: Cholashi, Artskheli, Zardalshi, Lakhiri, Majvdieri, Murshkeli, Zhabeshi, Zhamushi, Gvebra, Chvabiani, and Tsaldashi). The tender was won by GIS and DZ Consultation Center Ltd. At present work is carried out to prepare a contract. The tender winner has already started the work on preparation of the urban development documentation.
	4.2.4. Ensure elaboration of documentation for spatial-territorial planning of Akhmeta municipality and Tusheti settlements – villages: Omalo, Dartlo, Parsma, Girevi, Dochu, Jvarboseli, Shenako, Diklo, Indurta, and Etelta, as well as settlements of Akhmeta municipality – Zemo Alvani and Kvemo Alvani;	Ministry of Economy and Sustainable Development; German Federal Enterprise for International Cooperation (GIZ);	2016-2018	The budget of Ministry of Economy and Sustainable Development; German Federal Enterprise for International Cooperation (GIZ);	708 000 GEL	Ongoing	On May 11, 2016, the Georgian Government issued Decree №799 - On Implementation of Community Development Activities in Akhmeta municipality and Tusheti. A tender was announced by Ministry of Economy and Sustainable Development for preparation of documentation for spatial-territorial planning of Akhmeta municipality and Tusheti settlements – villages: Omalo, Dartlo, Parsma, Girevi, Dochu, Jvarboseli, Shenako, Diklo, Indurta, and Etelta, as well as settlements of Akhmeta municipality – Zemo Alvani and Kvemo Alvani. The tender was won by Studia 21 Ltd. The tender winner has already started work on preparation of the urban development documents.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	4.2.5. Ensure elaboration of documentation for urban development of Bakuriani and Didi Mitarbi;	Ministry of Economy and Sustainable Development;	2016-2017	The budget of Ministry of Economy and Sustainable Development;	354 000 GEL	Ongoing	On July 7, 2016, the Georgian Government issued Decree № 1373 - On Implementation of Certain Activities for Development of Bakuriani and Didi Mitarbi; Ministry of Economy and Sustainable Development announced a tender for preparation of urban development documents for Bakuriani and Didi Mitarbi. The tender was won by the company - Architecture Bureau Ltd and the work has already started.
	4.2.6 Elaboration of a construction regulation plan in in Ikalto Ravine - the Ikalto Village of Telavi Municipality;	Ministry of Economy and Sustainable Development;	2016-2017	The budget of Ministry of Economy and Sustainable Development;	94 400 GEL	Ongoing	On July 23, 2016, the Georgian Government issued Decree № 1182 - On Implementation of Certain Necessary Activities for Development of Territories in the Ikalto Ravine - the Ikalto Village of Telavi Municipality; Ministry of Economy and Sustainable Development announced a tender for preparation of the construction regulation plan. The tender was won by the company - Free Architects Ltd and the work has already started.
	4.2.7. Ensure elaboration of spatial – territorial planning documents for municipalities, settlements and recreational territories;	Ministry of Economy and Sustainable Development;	2017-2018	The budget of Ministry of Economy and Sustainable Development;	2 000 000 GEL	Planned	
4.3. Theoretical and practical education at schools, kindergartens and universities regarding earthquake hazards, taking into account the inclusive component	4.3.1. Implementation of corresponding activities at schools, for teachers and students, in order to finish the integrated civil safety strategy /framework program;	Ministry of Education and Science of Georgia; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency; ASB; Save the Children; UNICEF/DRR Center;	2016-2017	The budget of “the DRR in Education” - project funded by the European Commission;	ASB - 352 000 EUR Save the Children - 75 000 EUR	Ongoing	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	4.3.2. Implementation of practical earthquake trainings/exercises at public and private schools: Ensuring that each class implements individual exercises once a month, in order to promote achievement of DRR results specified in the national curriculum; Implementation of an evacuation simulation exercise for the whole school twice during an academic year;	Ministry of Education and Science of Georgia; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2016-2020	The state budget/Donor organization;		Ongoing	No additional financing is needed.
	4.3.3. Conducting theoretical lessons for awareness raising at schools and nearby communities where the students will advocate for correct response to earthquakes and disseminate necessary knowledge;	Ministry of Education and Science of Georgia; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2016-2020	The state budget/Donor organization;		Ongoing	No additional financing is needed.
	4.3.4. In order to enhance parents' involvement, a comprehensive joint evacuation exercise with participation of teachers, students and parents, should be organized once a year by schools administration;	Ministry of Education and Science of Georgia; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2016-2020	The state budget/Donor organization;		Ongoing	No additional financing is needed.
	4.3.5. Ensure the usage of broadcasting companies (the Public Broadcaster) for dissemination of information on DRR issues, awareness raising and improvement of practical skills;	Ministry of Education and Science of Georgia; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2016-2020	The state budget/Donor organization;		Ongoing	No additional financing is needed. These activities will be implemented with participation of students, teachers, parents and specialists who will demonstrate methods of teaching response behavior in practice. The scenario will include demonstration of an inclusive approach and approaches applied to different age groups. It might become necessary to find an additional source of finance and to attract the private sector.
5. Hail Risk Reduction	5.1. Elaboration of a project for modification of the anti-hail system located in Kakheti;	State Military Scientific-Technical Center "Delta"	2016	Delta's existing budget allocations;		Completed	At the end of the term LEPL Delta will make a presentation on the project.
	5.2. Elaboration of a project for implementation and installation of anti-hail systems in Kvemo and Shida Kartli;	State Military Scientific-Technical Center "Delta"	2016	Delta's existing budget allocations;		Completed	At the end of the term LEPL Delta will make a presentation on the project.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	5.3. Elaboration of a project for implementation and installation of anti-hail systems in Samtskhe-Javakheti;	State Military Scientific-Technical Center "Delta"	2016	Delta's existing budget allocations;		Completed	No additional financing is needed. At the end of the term LEPL Delta will make a presentation on the project.
6. Avalanche Risk Reduction	6.1. Identification of risk zones for snow avalanches in Bakhmaro recreational zone and along its access road; mapping of the risk zones and development of risk elimination /mitigation recommendations;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2016-2017	Ministry of Environment and Natural Resources Protection of Georgia/budget of LEPL Natural Environment Agency/Donor organization		Ongoing	No additional financing is needed.
	6.2. Study of possibilities for using active techniques of controlling snow avalanches (artificial triggering of smaller less destructive avalanches) along Gudauri-Kobi section of the road Tbilisi-Stephantsminda-Larsi;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency; Ministry of Regional Development and Infrastructure of Georgia /Roads Department of Georgia;	2017	The state budget/Donor organization;		Planned	No additional financing is needed.
	6.3. Identification of snow avalanche risk zones in other parts of the country that have avalanche hazards (Adjara, Swaneti, Racha-Lechkhumi); mapping of the risk zones and development of risk elimination /mitigation recommendations;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2017-2020	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency/Donor organization;	20 000 GEL	Planned	
	6.4. Installation and operation of automatic weather stations for monitoring snow parameters and avalanche risks: - Bakhmaro - 2 units; - Swaneti - 3 units; - Adjara - 3 units; - Racha-Lechkhumi - 2 units;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2018-2020	Ministry of Environment and Natural Resources Protection of Georgia/budget of the Natural Environment Agency/Donor organization;	800 000 GEL	Planned	

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	6.5. Construction of 500 kV power transmission line between substations Ksani and Darialhesi;	Ministry of Energy of Georgia;	2017	The state budget; Donor organizations; KFW;	26 357 401 EUR	Planned	Georgia's cross-border 500 kV power transmission line Kavkasioni (Enguri – Tsentralnaia), passes through an extremely difficult relief with avalanche hazard. The risk of its disconnection is high. The purpose of the described work is to ensure existence of a stand-by option. This measure will also improve the stability and reliability of the system and increase its transit potential.
	6.6. Construction of 500/110 kV substation Kazbegi;	Ministry of Energy of Georgia;	2020	KFW;	22 000 000 EUR	Planned	
	6.7. Construction of 500 kV power transmission line between substations Kazbegi and Darialhesi (up to the border with Russia);	Ministry of Energy of Georgia;	2020	KFW;	1 047 000 EUR	Planned	
	6.8. Construction of 500 kV power transmission line between substations Kazbegi and Mozdoki (up to the border with Russia);	Ministry of Energy of Georgia;	2021	KFW;	8 000 000 USD	Planned	The length of the power transmission line that needs to be built from the Russian border to Mozdoki substation is about 120 km. The project cost is about USD 60 million. Financing of the construction is Russia's obligation. The main issues have already been agreed. At present consultations are going on to finalize details.
7. Reduction of strong wind risks	7.1. Creation of an early warning system: long term (seasonal – up to 3 months), medium term (up to 1 month), short term (up to 10 days) and extra-short term (up to 2 days);	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2017-2020	The state budget/Donor organization;	The budget will be defined after completion of necessary studies	Planned	At present consultations are going at Ministry after which it will become possible to develop a plan of concrete activities.
	7.2. Adoption of legal regulatory framework on wind protection zones (including wind break belts) on the whole territory of Georgia; identification of organizations responsible for management, protection and restoration of the protection zones and development of a national action plan for their preservation and further management;	The Government of Georgia; Ministry of Environment and Natural Resources of Georgia; Ministry of Agriculture of Georgia ;	2017			Planned	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
8. Forest and valley fire risk reduction	8.1. Classification of Georgian forests according to fire hazards;	Ministry of Environment and Natural Resources of Georgia/ the Forest Policy Service / LEPL the National Forest Agency/ LEPL Agency of Protected Territories;	2017-2020	The state budget Donor: the Government of German Federation	4 855 000 GEL 4 000 000 EUR	Planned	On certain territories necessary activities are already going on. Additional funds are necessary for finishing the process. Starting from 2013, a phased inventory taking process has been going on in Georgia. Its implementation depends on the availability of funds and number of specialists. Future source of financing needs to be found. An agreement on the fund allocation was practically achieved with the Government of German Federation.
	8.2. Ensuring formation of fire resilient forest stands (planting of fire resilient species, cleaning of underbrush and wastes) in the forest areas where the fire hazard is high and in the degraded zones;	Ministry of Environment and Natural Resources of Georgia/ the Forest Policy Service /LEPL the National Forest Agency;	2016-2020	The state budget/Donor organization;	3 000 000 GEL	Ongoing	
8.1. Legal framework for forest and valley fire risk reduction	8.1.1. Adoption of stricter sanctions against setting fire deliberately or by negligence;	Ministry of Environment and Natural Resources of Georgia/ the Forest Policy Service / LEPL the National Forest Agency/ LEPL Agency of Protected Territories;	2017			Planned	No additional financing is needed.
	8.1.2. Ensuring approval of fire safety policy documents;	Ministry of Environment and Natural Resources of Georgia/ the Forest Policy Service / LEPL the National Forest Agency/ LEPL Agency of Protected Territories; ENVSEC;	2017			Planned	The document was prepared by the UN (ENVSEC) project: Enhancement of the National Potential for Fire Management and Wildfire Disaster Risk Reduction in the South Caucasus.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	8.1.3. Ensuring preparation of integrated institutional response plans;	Ministry of Environment and Natural Resources of Georgia / the Forest Policy Service / LEPL the National Forest Agency/ LEPL Agency of Protected Territories; Ministry of Internal Affairs of Georgia;	2017			Planned	No additional financing is needed.
	8.1.4. Preparation of a package of legal amendments and an action plan based on the document: Ecosystem Assessment of Fires on Agricultural Lands;	Ministry of Environment and Natural Resources of Georgia; GIZ's program: "Integrated Management of biodiversity in the South Caucasus"	2016 - 2017			Ongoing	No additional financing is needed.
8.2. Capacity building for forest and valley fire risk reduction	Installation of an early warning system against wildlife fire;	Ministry of Environment and Natural Resources of Georgia; OSCE/ENVSEC;	2016-2018	The state budget/Donor organization;		Ongoing	No additional financing is needed.
8.3. Awareness raising on forest and valley fire risk reduction	8.3.1. Awareness raising of population at national and local levels. Awareness raising of shepherds and farmers; organization of trainings regarding dangerous consequences and prevention of fires;	Ministry of Agriculture of Georgia /LEPL the National Food Agency; Ministry of Internal Affairs / LEPL Emergency Management Agency;	2016-2018			Ongoing	No additional financing is needed. The activity will be financed from the budgets of involved institutions.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	8.3.2. Installation of information boards and special signs in those state owned forest territories where the fire hazard exists (44 forest areas), especially in recreational zones;	Ministry of Environment and Natural Resources of Georgia/ the Forest Policy Service / LEPL the National Forest Agency/ LEPL Agency of Protected Territories;	2016-2020	Ministry of Environment and Natural Resources of Georgia/ the Forest Policy Service / LEPL the National Forest Agency/ LEPL Agency of Protected Territories;	130 000 GEL	Ongoing	As of 2016, 1000 signs were installed in 44 forest areas, in 9 regions.
8.4. Educational activities regarding forest fires in Georgia – continuously or in every decade / quarter.	8.4.1. Conduction of theoretical classes at schools and nearby communities in order to raise awareness about proper response during forest fires;	Ministry of Education and Science; The project funded by the European Commission DIPECHO;	2016-2017	The budget of “the DRR in Education” - project funded by the European Commission		Ongoing	No additional financing is needed.
	8.4.2. Preparation of social advertisements and usage of media;	Ministry of Education and Science; The project funded by the European Commission DIPECHO;	2016-2017	The budget of “the DRR in Education” - project funded by the European Commission;		Ongoing	No additional financing is needed.
	8.4.3. In order to increase parents’ involvement a comprehensive joint evacuation exercises with participation of teachers, students and parents, should be organize once a year by the school administration ;	Ministry of Education and Science; The project funded by the European Commission DIPECHO;	2016-2017	The budget of “the DRR in Education” - project funded by the European Commission;		Ongoing	No additional financing is needed. It is possible to use expert resources of Ministry of Education and Science and help school administration.
	8.4.4. Ensure teaching of forest fire prevention measures during school excursions;	Ministry of Education and Science; The project funded by the European Commission DIPECHO;	2016-2017	The budget of “the DRR in Education” - project funded by the European Commission;		Ongoing	No additional financing is needed.
	8.4.5. Implementation of information dissemination campaigns on importance of forests as sources of diverse resources and their rational use;	Ministry of Education and Science; The project funded by the European Commission DIPECHO;	2016-2017	The budget of “the DRR in Education” - project funded by the European Commission;		Ongoing	

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
9. Reduction of Chemical Threat Risks	9.1. Adoption of a government resolution on Safety Passports of potentially hazardous facilities;	<p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>The Government of Georgia;</p> <p>PPRD East Program – in compliance with the requirements of SECESO III on the control of major-accident hazards involving dangerous substances;</p>	2016	Ministry of Internal Affairs of Georgia / the budget of LEPL Emergency Management Agency;		Ongoing	No additional financing is needed.
	9.2. Formation of a working group on chemical threat reduction;	<p>Ministry of Environment and Natural Resources of Georgia;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Ministry of Defense of Georgia;</p> <p>Ministry of Regional Development and Infrastructure of Georgia ;</p>	2016-2017			Ongoing	<p>The draft resolution has been prepared.</p> <p>No additional financing is needed.</p>

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	9.3. Study of chemical threats on the territory of Georgia, implementation of search activities for high risk damaged containers and cylinders; demarcation of identified territories and installation of warning signs; mapping of the territories;	<p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency/ the Department of Civil safety;</p> <p>Supporting Organization: NGO Consortium Ecological Awareness and Waste Management (EAWM);</p> <p>Georgian Society of Nature Explorers "Orchis";</p> <p>Greens Movement of Georgia / Friends of the Earth Georgia;</p> <p>The Government of Sweden</p>	2016-2017	The Government of Sweden		Ongoing	No additional financing is needed.
10. Reduction of risks caused by water erosion	10.1. Improvement of the sea beach parameters in Sarpi by adding inert materials, in order to ensure stability of access ramp (overhead road) to the border checkpoint;	Ministry of Regional Development and Infrastructure of Georgia ;	2016	The budget of Ministry of Regional Development and Infrastructure of Georgia;	40 000 000 GEL	Completed	
	10.2. Protection of Adlia-Batumi sea beach from erosion;	Ministry of Regional Development and Infrastructure of Georgia / LEPL Georgian Municipal Development Fund;	2016-2017	The EBRD;	20 000 000 GEL	Ongoing	
	10.3. Mitigation of erosion of the sea beach in Kobuleti;	The city municipality; Ministry of Regional Development and Infrastructure of Georgia / LEPL Georgian Municipal Development Fund;	2016-2017	Ministry of Regional Development and Infrastructure of Georgia / the budget of LEPL Georgian Municipal Development Fund;	2 042 000	Ongoing	

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	10.4. In the territory of Kolkheti valley: in the municipalities of Bagdati, Vani, Samtredia, Lanchkhuti, Abasha, Martvili, and Khobi as well as in Poti, implementation of activities for regulation of the Rioni river bed and protection of banks (mostly restoration of embankments washed out by floods.	Local municipalities; Ministry of Regional Development and Infrastructure of Georgia ; Ministry of Agriculture of Georgia ; Ministry of Environment and Natural Resources Protection of Georgia	From 2017	The state budget; the Asian Development Bank or any other donor organization;	To be defined based on the feasibility study	Planned	
	10.5. Protection of critical sections of the Alazani river bank near the border (swashway /looped bank) in order to avoid a situation when large land lots will turn out to be on the other side of the river (in Azerbaijan);	Local municipalities; Ministry of Economy and Sustainable Development; Ministry of Regional Development and Infrastructure of Georgia ; Ministry of Agriculture of Georgia ; Ministry of Environment and Natural Resources Protection of Georgia;	2016-2017	The state budget;	To be defined when the engineering project design is ready	Ongoing	Elaboration of the engineering design is carried out for 3 identified sites.
11. Draught risk reduction	11.1. Development of recommendations about agricultural work to be carried out during droughts and dissemination of this information among farmers;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2017-2020			Planned	No additional financing is needed.
	11.2. Installation of software for using satellite information in the field of agrometeorology;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency; The World Meteorological Organization (WMO); The European Meteorological Satellite Organization (EUMETSAT), The Food and Agriculture Organization (FAO); The Drought Management Centre for Southeastern Europe;	2018-2020			Planned	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	11.3. Purchase, installation and startup of automatic agro-meteorological stations in Sagarejo, Dedoplistskaro, Shilda, Shiraki, Ulianovka - mine, Akhasheni, Giorgeti, Shalauri, and Kistauri;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency; Food and Agriculture Organization (FAO);	2017	Food and Agriculture Organization (FAO);		Planned	No additional financing is needed.
	11.4. Restoration of existing melioration systems and construction of new ones in draughty regions, in order to provide irrigation water to agricultural land;	Ministry of Agriculture of Georgia / Georgian Amelioration Ltd.	2016 – 2017	Ministry of Agriculture of Georgia / the budget of Georgian Amelioration Ltd.	33 200 000 GEL	Ongoing	This will increase the area of irrigated agricultural land from 100 000 hectares to 110 000 hectares.
2017 - 2022			Ministry of Agriculture of Georgia / the budget of Georgian Amelioration Ltd.	215 300 000 GEL	Planned	As a result of this measure rehabilitated melioration infrastructure will provide water to additional 185 000 hectares while new melioration infrastructure will provide water to 4664 hectares of land. The project will continue until 2022.	
	11.5. Rehabilitation of Zemo Samgori irrigation systems;	Ministry of Agriculture of Georgia / Georgian Amelioration Ltd.; Supporting Organization: ORIO;	2017 - 2020	Donor organization - ORIO Ministry of Agriculture of Georgia / the budget of Georgian Amelioration Ltd.	25 883 400 GEL 46 420 800 GEL	Planned	
12. Hydrodynamic Accident Risk Reduction	12.1. Improvement of models existing on risky reservoirs (Enguri, Lajanuri, Shaori, Zhinvali and Sioni) with the use of modern technologies;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2017-2020			Planned	At present it is impossible to calculate an exact budget. Budgeting must be done for each specific site. With the exception of Jhinvali reservoir (provided for in Paragraph 2.1.1).

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	12.1.1. Modelling of different scenarios of accidents causing water discharges from Jhinvali reservoir;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;	2016-2017	Polish Aid Agency	27 500 GEL	Ongoing	
	12.2. Elaboration of measures necessary for creation of early warning systems on Enguri, Lajanuri, Shaori, Jhinvali and Sioni reservoirs;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency; Ministry of Internal Affairs of Georgia;	2017-2020			Planned	No additional financing is needed.
	12.3. Implementation of measures for assessment of the condition of Poti diversion structure on the river Rioni and for planning further measures;	Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency; Ministry of Regional Development and Infrastructure of Georgia ; Ministry of Agriculture of Georgia ; Poti municipality; Supporting Organization: Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2017			Planned	No additional financing is needed. This measure must be implemented jointly by Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency, Ministry of Regional Development and Infrastructure of Georgia, Ministry of Agriculture of Georgia, and Poti municipality;
	12.4. Preparation of evacuation plans for population of the cities and villages that can be flooded as a result of hydrotechnical accidents on risky water reservoirs (Enguri, Lajanuri, Shaori, Zhinvali and Sioni);	Corresponding municipalities; Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2017-2020			Planned	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
13. Legal framework	13.1. Approval/adoption of the Law of Georgia on Crisis Situations;	The office of the State Security and Crisis Management Council of Georgia;	2016-2017			Ongoing	No additional financing is needed.
	13.2. Adoption of bylaws provided for in the Civil Safety Law in the field of emergency situation risk identification and assessment. Organization of their implementation;	Ministry of Internal Affairs of Georgia;	2016			Ongoing	No additional financing is needed. The activities are funded within the framework of the project Clean up Georgia (Phase III)
	13.3. Refining and development of the emergency situation management system; organization of documentation maintenance: safety passports and safety declarations related to identification and assessment of emergency situations; organization of preparation of emergency and risk management plans at all management levels;	Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2017-2019			Planned	No additional financing is needed.
14. Enhancement of DRR capacities at national and local levels	14.1. DRR awareness raising among decision makers at national level by means of trainings, seminars and instruction;	The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;	2017-2020			Planned	No additional financing is needed.
	14.2. DRR awareness raising among decision makers at regional/municipal (city) levels by means of trainings, seminars and instruction;	Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency; Corresponding municipalities;	2017-2020	The state budget/Donor organization;		Planned	The amount necessary for financing these activities must be defined after the elaboration of teaching programs.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	14.3. Regular retraining of the technical personnel working in the area of disaster risk assessment and reduction, elaboration/implementation of training programs/modules;	<p>The Office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center Center;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;</p> <p>Ministry of Labour, Health and Social Affairs of Georgia/ the Emergency Situations Coordination and Regime Department;</p>	2017-2020	The state budget/Donor organization;		Planned	The amount necessary for financing these activities must be defined after the elaboration of teaching programs.
	14.4. Elaboration (or adaptation to the Georgian reality) of DRR training modules for media representatives (TV, radio, printed and electronic media) and organization of a workshop for media representatives;	<p>The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center Center;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Ministry of Environment and Natural Resources Protection of Georgia/LEPL Natural Environment Agency;</p> <p>ASB</p>	2017	Donor organization		Planned	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	14.5. Implementation of necessary research for establishing the national DRR Platform;	<p>The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center Center;</p> <p>Ministry of Education and Science;</p> <p>the National Academy of Science of Georgia;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Supporting Organization: The UN Office for Disaster Risk Reduction (UNISDR);</p>	2017-2018			Planned	No additional financing is needed.
	14.6. Establishment of the national DRR platform in compliance with international standards;	<p>The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center Center;</p> <p>Ministry of Education and Science;</p> <p>the National Academy of Science of Georgia;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Supporting Organization: The UN Office for Disaster Risk Reduction (UNISDR);</p>	2017-2018			Planned	Establishment of the national DRR platform will enable the Georgian Government to use a simplified method for receiving funds necessary for reduction of different hazards identified in Georgia by means.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	<ul style="list-style-type: none"> 4.7. Implementation of an alternative digital communication system (portable radio transmitters) for the institutions providing urgent medical services; ensure existence of field hospitals in order to reduce health damage risks caused by major damage of infrastructure; sharing of international practices (USA, Canada, Norway etc.) for timely and adequate medical response to emergency situations; 	<p>Ministry of Labour, Health and Social Affairs of Georgia; LEPL Medical Emergency Center (regional);</p>	<p>2017-2018</p> <p>2017</p> <p>2016 -2020</p>	<p>Work is carried out to find a source of funding;</p> <p>Work is carried out to find a source of funding;</p> <p>Work is carried out to find a source of funding</p>	<p>The budget evaluation is going on</p> <p>The budget evaluation is going on</p> <p>The budget evaluation is going on</p>	<p>Planned</p> <p>Planned</p> <p>Ongoing</p>	
<p>15. Enhancement of coordination between international organizations / NGOs working in Georgian within the disaster management sector in order to ensure effective preparedness and response</p>	<p>15.1. Enhancement of coordination mechanisms between NGOs by means of corresponding terms of reference and joint simulation exercises;</p>	<p>The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center Center;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Georgia Red Cross Society; Denmark Red Cross Society; the UN Office in Georgia; OXFAM; ASB; Save the Children; DRR Centre; CENN; UNICEF;</p>	<p>2016 - 2019</p>	<p>Donor organization</p>		<p>Ongoing</p>	

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	15.2. Implementation of a joint training of NGOs and public institutions.	<p>The office of the State Security and Crisis Management Council of Georgia/ the National Crisis Management Center Center;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Georgia Red Cross Society;</p> <p>Denmark Red Cross Society;</p> <p>the UN Office in Georgia;</p> <p>OXFAM;</p> <p>ASB;</p> <p>Save the Children;</p> <p>DRR Centre CENN UNICEF</p>	2016-2020	The office of the State Security and Crisis Management Council of Georgia		Ongoing	
	15.3. Ensuring elaboration of a joint plan for humanitarian preparedness together with international and local organizations;	<p>The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center Center;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Disaster Management Country Team - UN;</p>	2017-2019			Planned	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	15.4. Ensuring elaboration of an education program in DRR based on inclusive approach, in 6 Georgian Universities;	Ministry of Education and Science; ASB	2016 - 2017	From the budget of ASB's project, "We Are Ready! Education for Safety, Inclusive Approach to DRR";	352 930 EUR	Ongoing	No additional financing is needed.
	15.5. Conducting trainings for trainers (DiDRR) on inclusive approach to DRR for employees in 6 Georgian universities;	Ministry of Education and Science; ASB;	2016 - 2017	From the budget of ASB's project, "We Are Ready! Education for Safety, Inclusive Approach to DRR";		Ongoing	No additional financing is needed.
	15.6. Elaboration of a guidelines for students at 6 Georgian universities;	Ministry of Education and Science; ASB;	2016 - 2017	From the budget of ASB's project, "We Are Ready! Education for Safety, Inclusive Approach to DRR";		Ongoing	No additional financing is needed.
	15.7. Establishment of iDRR education resource centers in 6 Georgian universities;	Ministry of Education and Science; ASB;	2016 - 2017	From the budget of ASB's project, "We Are Ready! Education for Safety, Inclusive Approach to DRR";		Ongoing	No additional financing is needed.
	15.8. Elaboration of education materials and trainers' training modules on inclusive education in DRR, for their further use in the regional preschool education system;	Ministry of Education and Science; ASB;	2016 - 2017	From the budget of ASB's project, "We Are Ready! Education for Safety, Inclusive Approach to DRR";		Ongoing	No additional financing is needed.
	15.9. Enhancement of organizations of persons with limited abilities on the inclusive DRR approach;	Ministry of Labour, Health and Social Affairs of Georgia; Ministry of Education and Science; ASB;	2016 - 2017	From the budget of ASB's project, "We Are Ready! Education for Safety, Inclusive Approach to DRR";		Ongoing	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	15.10. Elaboration of guidelines in compliance with the Sendai Framework Agreement, with active participation of persons with limited abilities and their organizations;	Ministry of Labour, Health and Social Affairs of Georgia; Ministry of Education and Science; ASB;	2016 - 2017	From the budget of ASB's project, "We Are Ready! Education for Safety, Inclusive Approach to DRR";		Ongoing	No additional financing is needed.
	15.11. Ensuring elaboration of a media guidelines on DRR issues;	The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center; ASB;	2016 - 2017	From the budget of ASB's project, "We Are Ready! Education for Safety, Inclusive Approach to DRR";		Ongoing	No additional financing is needed.
	15.12. Conducting of two seminars for journalists on inclusive approach to DRR, in order to raise their awareness;	The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center; ASB;	2016 - 2017	From the budget of ASB's project, "We Are Ready! Education for Safety, Inclusive Approach to DRR";		Ongoing	No additional financing is needed.
	15.13. Dissemination of technical information on DRR among the authorities and population of Adjara, in compliance with the newly established emergency management system and gender sensitive approaches;	The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center; The Georgian Government Organization / Assistant to the Prime Minister of Georgia on Human Rights and Gender Equality Issues; OXFAM;	2016-2017	From the budget of the OXFAM's project "Supporting Natural Disaster Risk Reduction in the South Caucasus"	595 237 EUR	Ongoing	No additional financing is needed.
	15.14. Enhancement and promotion of coordination during the natural disaster risk reduction process at the national and regional levels in AdjaraAdjara (by means of regional sustainability forums);	Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency; Supporting Organization: OXFAM;	2016-2017	From the budget of the OXFAM's project "Supporting Natural Disaster Risk Reduction in the South Caucasus"		Ongoing	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	<p>15.15. Enhancement of the capacity and readiness of executive authorities to ensure protection of children in emergency situations and reflection of this purpose in the government plans and documents;</p> <p>Development of a DRR training module taking into account children's interests and specific approaches during emergency situations, in cooperation with the Emergency Management Agency of Ministry of Internal Affairs of Georgia and Save the Children;</p> <p>Organization of trainings for the contact persons of executive authorities working on DRR issues;</p>	<p>The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Supporting Organization: Save the Children;</p>	2016-2017	From the budget of Save the Children's project „Child Oriented Inclusive Approach to DRR” financed by ECHO;;	8 000 EUR	Ongoing	No additional financing is needed.
	<p>15.16. Provision of support to the National Center of Teacher Professional Development in order to make it possible to introduce DRR mechanisms in the education system:</p> <ul style="list-style-type: none"> • refreshing of the training module: “Disaster Risk Reduction – Based on Inclusive Education Principles” based on the comments and recommendations provided by the National Center of Teacher Professional Development; • Handover of the revised training module to the National Center of Teacher Professional Development for approval. The training module provides for 21 contact teaching hours and 5 independent studying hours – total 26 hours which is 1 ECTS; • Training of the trainers chosen by the National Center of Teacher Professional Development on the subject of DRR based on the inclusive education principles; 	<p>Ministry of Education and Science/ The National Center of Teacher Professional Development;</p> <p>Save the Children;</p>	2016-2017	From the budget of Save the Children's project „Child Oriented Inclusive Approach to DRR” financed by ECHO;	5 000 EUR	Ongoing	No additional financing is needed.

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	<p>15.17. Consideration of children's needs during disasters and incorporation of inclusive approaches into the curriculums of Save Schools and the Emergency Management Agency;</p> <p>Renewal of the joint working group of organizations and public institutions working on the Safe School issues and coordination of the working group meetings during which Save the Children will advocate for protection of children's needs during disasters and incorporation of inclusive approaches into the Safe School concept;</p>	<p>Ministry of Education and Science;</p> <p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>Save the Children;</p>	2016-2017	From the budget of Save the Children's project „Child Oriented Inclusive Approach to DRR” financed by ECHO;	400 EUR	Ongoing	No additional financing is needed.
16. Harmonization of the preparedness and response mechanisms / institutions with international standards and mechanisms	16.1. Preparatory work has to be done for joining the international system of humanitarian response (e.g.: INSARAG, UNDAC);	<p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>OCHA-ROCCA; UNDP; IOM;</p>	2016 -2019	Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency		Ongoing	
	16.2. Ensuring application of international humanitarian standards for response to emergency situations in Georgia;	<p>Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency;</p> <p>OCHA-ROCCA; UNDP;</p>	2016-2018	Ministry of Internal Affairs of Georgia/LEPL Emergency Management Agency		Ongoing	<p>Organization of a consultation meeting on regionalization of INSARAG in the Caucasus and Central Asia;</p> <p>In compliance with the Government's instructions, provision of assistance to the Emergency Management Agency for establishing a national INSARAG group and ensuring its training for INSARAG's eternal classification;</p> <p>Facilitation of sending local Disaster Management Officers to the UN Disaster Assessment and Coordination (UNDAC) Induction Courses (depends on the availability of places at this induction course);</p> <p>Ensure participation of UN members in simulation exercises on disaster assessment and coordination issues conducted at the national and regional levels.</p>

Priority Area	Activities to be Implemented	Responsible / Supporting Organizations	Implementation Period	Source of Finance	Budget	Status	Note
	16.3. Joining of the International Charter on Space and Major Disasters;	The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center; UN-SPIDER;	2016-2017			Ongoing	In compliance with the Government's instructions, ensuring introduction of the Humanitarian Charter & Minimum Standards in Humanitarian Response in Georgia (e.g.: SPHERE); Provision of support to the Georgian Government in signing the UN – Georgia Model Agreement on Customs Facilitation in Humanitarian Assistance; In compliance with the Government's instructions, facilitation of adoption of international guidelines and disaster risk management legislation suitable for the Georgian context.
	16.4. Enhancement of cooperation with the UN Office for Outer Space Affairs;	The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center; UN-SPIDER;	2016-2017			Ongoing	
17. Elaboration of mechanisms for recording/calculating damages caused by disasters and needs for impact mitigation instruments	Ensuring the implementation of a methodology /approach for evaluation of post-disaster damages and restoration needs, as well as for calculation of economic losses;	The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center; PPRD East	2016-2017	The state budget/Donor organization;		Ongoing	Attraction of different donors, including the United Nations and the World Bank.
18. The role of the private sector in the DRR system	18.1 Coordination of the measures necessary for ensuring access of the private sector to information about natural disasters and vulnerable sites (risk maps).	The office of the State Security and Crisis Management Council of Georgia/the National Crisis Management Center;	2017-2020			Planned	No additional financing is needed.
	18.2 Subsidizing insurance of crops in the agricultural sector.	Ministry of Agriculture of Georgia	2017	The budget of Ministry of Agriculture of Georgia	8 000 000 GEL	Planned	The issue of financing this measure is regulated every year, based on a Government decree

NOTE: The Action Plan has Appendix N 3 which includes the measures that are also important and for the implementation of which the Georgian Government is making efforts to find additional resources.