

Institute of Hydrometeorology

Scientific Report

2014B

Department of Water Resources and Hydrological Prognosis

Scientific-Research Works Planned and Implemented in 2014 Funded by the State Budget of Georgia

#	Planned and Implemented work with the indication of scientific field and direction	Work Supervisor	Work Performers
1	Development of recommendations for anti-avalanche measures based on the identification of populated areas and the avalanches indicators (2012-2014) Science of Geography, Hydrology	Manana Salukvadze Main scientific worker Acad. Doctor of Geographical Sciences	Scientific Workers: Natela Kobakhidze Gocha Jincharadze
	Work	Work Supervisor	Work Performers
2	Elaboration of hydrological and glaciological atlas of Georgia	N. Begalishvili	N. Begalishvili, T. Tsintsadze, V. Tsomaia, G. Kherkheulidze, M. Salukvadze, Ts. Basilashvili, E. Elizbarashvili, L. Intskirveli, N. Arutiniani, K. Tavartkiladze, G. Grigolia, N. Begalishvili, N. Tsintsadze, N. Khupenia, G. Gachechiladze, L. Chareli, S. Gorgijanidze, N. Gogiberidze

3	Evaluation of water shortage risks of the rivers of active impact zone and development of adaptive measures	Ts. Basilashvili	Ts. Basilashvili G. Grigolia. S. Gorgijanidze
4	Assessment of the nature of mudflow hazard in Adjara region and identification of distribution zones with the recommendations for damage mitigation	G. Kherkheulidze	G. Kherkheulidze
5	Assessment of irrigation sites in Western Georgia and prospects for their possible increase in compliance with the climate change	O. Shvelidze	O. Shvelidze, I. Geladze, Zh. Mamasakhlisi

Department of Climatology and agro-Meteorology

Scientific-Research Works Planned and Implemented in 2014 Funded by the State Budget of Georgia

#	Planned and Implemented work with the indication of scientific field and direction	Work Supervisor	Work Performers
1	Determination of new construction and climatic norms in terms of climate change (2012-2014). Field of precise and nature sciences, direction of earth sciences	LLiana Kartvelishvili	I. Evchenko-Mkurnalidze, R Samukashvili, J. Vachnadze, N. Shavishvili

2	Work	Work Supervisor	Work Performers
	Climate and Climate Resources Survey of separate administrative regions of Georgia (Kakheti) (2014-2016)	Elizbar Elizbarashvili	G. Meladze, R. Samukashvili, J. Vachnadze, L. Kartvelishvili, M. Meladze, Sh. Elizbarashvili, N. Vashakmadze, N. Shavishvili, N. Chelidze, Ts. Diasamidze

Department of Weather Forecast, Natural and Technogenic Disaster Modeling

Scientific-Research Works Planned and Implemented in 2014 Funded by the State Budget of Georgia

#	Planned and Implemented work with the indication of scientific field and direction	Work Supervisor	Work Performers
1	Elaboration of weather forecasting models for Georgian conditions (2012-2014). Earth science, geophysics, atmospheric physics	Marika Tatishvili	Irine Mkurnalidze Naili Kapanadze Ramaz Meskhia
2	Assessment of climate change impact on the glaciers of the Caucasus by using remote observation technologies (2012-2014). Earth science, hydrology (remote probing)	Larisa Shengelia	Giorgi Kordzakhia, Nodar Begalishvili, Vasil Tsomaia, Tengiz Tsintsadze
3	Preparation of project on adaptation with climate change for rehabilitation of irrigation	B. Beritashvili	N. Kapanadze

	system in Outer Kakheti using solar power (2012-2014)		
4	Study of dynamics of regional microcirculation processes in Georgia to improve current models of atmospheric processes (2014-16). Earth science, atmospheric physics	M. Tatishvili	Z. Khvedelidze, G. Geladze, D. Demetrashvili, I. Samkharadze, N. Zotikishvili

Department of Environmental Pollution Monitoring and Forecasting

Scientific-Research Works Planned and Implemented in 2014 Funded by the State Budget of Georgia

#	Planned and Implemented work with the indication of scientific field and direction	Work Supervisor	Work Performers
1	“ Monitoring of negative impacts of cement factories on the environment in Eastern Georgia and development of mitigation measures ” (2010-2014). Earth sciences and Environment	N. Naskidashvili	N. Beglarashvili, L. Shavliashvili, N. Dvalishvili, M. Tabatadze, M. Khatiashvili
2	Work	Work Supervisor	Work Performers
	Determining the ecological effectiveness of traffic limitation measures on city roads on the example of the western central entrance of Tbilisi. (2013-2014.) Earth sciences and Environment	N. Beglarashvili	M. Pipia, S. Mdivani, M. Khatiashvili, A. Giorgishvili
	Work	Work Supervisor	Work Performers

<p>3. Determining the content of heavy metals in environmental components in the active impact areas of Eastern Georgia to determine their background concentrations (2014-2016)</p> <p>Earth sciences and Environment</p>	<p>L. Intskirveli</p> <p>Performers in charge:</p> <p>G. Gunia,</p> <p>A. Surmava,</p> <p>N. Buachidze,</p> <p>L. Shavliashvili</p>	<p>N. Naskidashvili,</p> <p>N. Beglarashvili,</p> <p>M. Tabatadze,</p> <p>S. Mdivani,</p> <p>G. Kuchava,</p> <p>G.Kordzakhia,</p> <p>M.Khatiashvili,</p> <p>A.Giorgishvili,</p> <p>N. Dvalishvili</p>
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