

Institute of Hydrometeorology

Scientific Report

2016B

Department of Water Resources and Hydrological Prognosis

I. 1. Scientific-Research Projects Planned and Implemented in 2016 Funded by the State Budget of Georgia

(Concerns to scientific-research institutes)

#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
1	Assessment of the nature of mudflow hazard in Adjara region and identification of distribution zones with the recommendations for damage mitigation. Earth sciences and Environment, Hydrology.	G. Kherkheulidze	G. Kherkheulidze
2	Evaluation of water shortage risks of the rivers on the background of global warming and development of adaptive measures (on the example of the Alazani river) Earth sciences and Environment, Hydrology.	Ts. Basilashvili	

I. 2.

#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
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1	Assessment of irrigation areas in Western Georgia and prospects for their possible increase in terms of climate change Earth sciences and Environment, Hydrology	O. Shvelidze	I. Geladze
2	Hydrological Reference-Atlas of Georgia Earth sciences and Environment, Hydrology.	N. Begalishvili T. Tsintsadze	

Department of Climatology and agro-Meteorology

I. 1. Scientific-Research Projects Planned and Implemented in 2016 Funded by the State Budget of Georgia

#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
1	Study of climate, climatic and agro-climatic resources of separate administrative regions of Georgia (Kakheti) (2014-2016) Earth sciences and agricultural sciences (meteorology, climatology, agrometeorology)	E. Elizbarashvili	E. Elizbarashvili, G. Meladze, R. Samukashvili, J. Vachnadze, M. Meladze, L. Kartvelishvili, Sh. Elizbarashvili, N. Chelidze, M. Pipia, N. Shavishvili, Ts. Diasamidze

Department of Environmental Pollution Monitoring and Forecasting

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#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
1	Determining the content of heavy metals in environmental components in the active impact areas of Eastern Georgia to determine their background concentrations Earth sciences, Ecology	L.Liana Intskirveli	G.The whole staff of the department

Department of Weather Forecast, Natural and Technogenic Disaster Modeling

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#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
1	Study of dynamics of regional microcirculation processes in Georgia to improve current models of atmospheric processes (2014-2016). Earth science. Geophysics, Atmospheric Physics	Z. Khvedelidze	D. Demetrashvili I. Samkharadze N. Zotikishvili

I. 2.

#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
1	Weather and climate regional multilateral forecasting methods for Georgian conditions Earth science. Geophysics, Atmospheric Physics	M. Tatishvili	D. Demetrashvili I. Mkurnalidze I. Samkharadze L. Chinchaladze M. Kaishauri
2	Survey of the glaciation evolution of Georgia on the basis of satellite remote probing . 1-NNature Sciences 2-EEarth sciences and other sciences on Environment	Larisa Shengelia	Giorgi Kordzakhia Vasil Tsomaia
3	Climate change adaptation potential for Georgia for the priority sectors of economy	B. Beritashvili	T. Tsintsadze N. Kapanadze N. Zotikishvili