

**Institute of Hydrometeorology**

**Scientific Report**

**2015B**

**Department of Water Resources and Hydrological Prognosis**

**I. 1. Scientific-Research Transitional Projects Planned and Implemented in 2015 Funded by the State Budget of Georgia**

#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
1	Hydrological and Glaciological Reference-Atlas of Georgia  Earth sciences and Environment, Hydrology	N. Begalishvili PhD of Physical Mathematical Sciences	N. Beglarashvili, T. Tsintsadze, V. Tsomaia, G. Kherkheulidze, M. Salukvadze, Ts. Basilashvili, E. Elizbarashvili L. Intskirveli, N. Arutiniani, G. Grigolia, R. Meskhia, G. Gachechiladze, N.Gogiberidze, N. Begalishvili, N. Tsintsadze, N. Khupenia
2	“Problems of avalanche of mountainous regions of Adjara and their mitigation recommendations” (2015-2017).  Earth sciences and Environment, Hydrology	Manana Salukvadze Main scientific worker Acad. Doctor of Geographical Sciences	Scientific Workers:  Natela Kobakhidze Sopio Gorgijanidze
3.	Preparation of materials needed for composing a model of the Adjara mudflow resistance map, selection of scale, legend and decoration of the map,	G. Kherkheulidze Senior scientific worker	G. Kherkheulidze Acad. Doctor of Technical Sciences

	elaboration of the initial model of the map.  Earth sciences and Environment, Hydrology		
4.	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 Senior scientific worker	I. Geladze

### Department of Climatology and agro-Meteorology

#### I. 1. Scientific-Research Works Planned and Implemented in 2015 Funded by the State Budget of Georgia

#### I. 2

#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
1	Climate, climatic and agro-climatic resources survey of separate administrative regions of Georgia (Kakheti) (2014-2016).  Earth sciences and Agricultural Sciences	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**

**I. 1. Scientific-Research Works Planned and Implemented in 2015 Funded by the State  
Budget of Georgia**

**I. 2.**

#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
	Determining the content of heavy metals in environmental components in the active impact areas of Western Georgia to determine their background concentrations (2014-2016w.w.)  Earth sciences and Environment	L. Intskirveli	G. Gunia, A. Surmava, N. Buachidze, L. Shavliashvili, N. Naskidashvili, N. Beglarashvili, M. Tabatadze, S. Mdivani, G. Kuchava, G. Kordzakhia, M. Khatiashvili, A. Giorgishvili, N. Dvalishvili, V. Shubladze, T. Gigauri

**Department of Weather Forecast, Natural and Technogenic Disaster Modeling**

**I. 1. Scientific-Research Works Planned and Implemented in 2015 Funded by the State  
Budget of Georgia**

**I. 2**

#	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers

1	<p>Weather and Climate Regional multilateral forecasting methods for Georgian conditions (2015-2017).</p> <p>Earth science, Geophysics, Atmospheric Physics .</p>	M. Tatishvili	<p>Z. Khvedelidze, D. Demetrashvili I. Mkurnalidze, I. Samkharadze L. Chinchaladze</p>
2	<p>Study of dynamics of regional microcirculation processes in Georgia to improve current models of atmospheric processes (2014-2016).</p> <p>Earth science, Geophysics, Atmospheric Physics .</p>	Z. Khvedelidze	<p>D. Demetrashvili I. Samkharadze, N. Zotikishvili</p>
3	<p>Survey of the glaciation evolution of Georgia on the basis of satellite remote probing (2015-2017).</p> <p>Earth science, Geophysics, Atmospheric Physics .</p>	L. Shengelia	<p>G. Kordzakhia V. Tsomaia \</p>
4	<p>Climate change adaptation potential for Georgia for the priority sectors of economy (2015-2017).</p> <p>Earth science, Geophysics, Atmospheric Physics .</p>	B. Beritashvili	<p>T. Tsintsadze N. Kapanadze I. Samkharadze N. Zotikishvili</p>