

**Ts. Mirtskhulava Institute of Water Management
Scientific Report**

2017

I. 1. Scientific-Research Projects Planned and Implemented in 2017 Funded by the State Budget of Georgia

(Refers to independent scientific -research institutes of the University and LEPL scientific-research institutes)

II. 2. Name of the Program _ “Research of modern problems of environmental protection and water management on the background of climate change”

Program Supervisor: Givi Gavardashvili - PhD of Technical Sciences, Professor

№	Planned and Implemented project with the indication of scientific field and direction	Project Supervisor	Project Performers
1	2	3	4
1	<p>Subdirection – “Methodology for the prediction of erosion processes of mountain riverbeds during waves of mudflows and their use to design new types of mudflow-resistant structures”</p> <p>Scientific Field: Nature Sciences</p> <p>Scientific Direction: 2.1.5 <i>Earth and environment sciences</i></p>	<p>Otar Natishvili - Academician</p> <p>Givi Gavardashvili – PhD of Technical Sciences, Professor</p>	<p>Davit Kereselidze PhD of Technical Sciences, Professor, Senior Scientific Worker</p> <p>Eduard Kukhalashvili PhD of Technical Sciences, Professor, Senior Scientific Worker</p> <p>Inga Iremashvili Acad. Doctor of Technical Sciences</p> <p>Irakli Kvirkvelia Acad. Doctor of Technical Sciences</p> <p>Marina Mghebrishvili Acad. Doctor of Technical Sciences</p>

2	<p>Subdirection _ Impact of flood and flood surveys, forecast and development of modern measures against climate change</p> <p>Scientific Field: Nature Sciences</p> <p>Scientific Direction: 2.1.5 <i>Earth and environment sciences</i></p>	<p>Robert Diakonidze- Acad. Doctor of Geographical Sciences, Associate Professor</p> <p>Zemphira Charbadze Scientific Worker</p>	<p>Jumber Panchulidze Acad. Doctor of Technical Sciences, senior scientific worker.</p> <p>Marine Shavlakadze Acad. Doctor of Engineering Sciences, scientific worker.</p> <p>Zemphira Charbadze Scientific Worker</p> <p>Nino Nibladze Scientific worker</p> <p>Qetevan Dadiani Scientific worker</p> <p>Bela Diakonidze Engineer</p>
3	<p>Subdirection _ Engineering-ecological research of water resources, Black Sea aquarium and agricultural facilities and their reliability assessments, based on the global factors of climate change.</p> <p>Scientific Field: Nature Sciences</p> <p>Scientific Direction: 2.1.5 <i>Earth and environment sciences</i></p>	<p>Irina Iordanishvili PhD of Technical Sciences</p>	<p>Irina Iordanishvili PhD of Technical Sciences</p> <p>Levan Itriashvili Acad. Doctor of Technical Sciences, senior scientific worker.</p> <p>Giorgi Natroshvili Acad. Doctor of Technical Sciences, scientific worker</p> <p>Konstantine Iordanishvili Acad. Doctor of Technical Sciences, scientific worker</p> <p>Elene Khosroshvili Scientific worker</p> <p>Davit Potskhveria Scientific worker</p> <p>Lali Bilanishvili Engineer</p>
4	<p>Subdirection _ “Assessment of the quality of drinking water pollution in the wells used by the residents of Kolkheti lowland and development its</p>	<p>Goga Chakhaia - Acad. Doctor of Technical Sciences, Associate Professor</p> <p>Levan Tsulukidze - Acad. Doctor of Technical Sciences, Associate</p>	<p>Nugzar Kvashilava Acad. Doctor of Technical Sciences, senior scientific worker</p> <p>Tamriko Supatashvili</p>

	<p>management mechanisms, On the background of climate change and intensive chemicalization of agriculture" (Ecology, Engineering and Technologies) Scientific Field: Nature Sciences Scientific Direction: 2.1.5 <i>Earth and environment sciences</i></p>	<p>Professor</p>	<p>Acad. Doctor of Technical Sciences, scientific worker. Irina Khubulava Scientific worker Lia Maisaia Scientific worker Otar Okriashvili Lab Assisntant</p>
5	<p>Subdirection _Preparation of legislative and normative documents relevant to the exploitation of melioration barrier and melioration systems of Georgian agricultural lands in accordance with European standards Scientific Field: 0415 Agro -engineering Scientific Direction: 04 Engineering</p>	<p>Givi Gavardashvili – PhD of Technical Sciences, Professor Zurab Lobzhanidze -- Acad. Doctor of Technical Sciences, Associate Professor</p>	<p>Martin Vartanov PhD of Economic Sciences, associate professor Vladimer Shurghaia Acad. Doctor of Technical Sciences, senior scientific worker Vakhtang Samkharadze Acad. Doctor of Technical Sciences, senior scientific worker Revaz Kiladze Acad. Doctor of Technical Sciences, senior scientific worker Liana Purtseladze Acad. Doctor of Technical Sciences, senior scientific worker Tamaz Odilvadze Acad. Doctor of Technical Sciences, senior scientific worker Lena Kekelishvili Scientific worker Khatuna Kiknadze Scientific worker</p>

6	<p>Subdirection _Impact of modern technologies of irrigation and drainage and agro meteorological factors on the economic-qualitative indicator of agricultural crops</p> <p>Scientific Field:2.4. Agricultural Sciences</p> <p>Scientific Direction:2.4.1. Agriculture, Forestry and Fisheries</p>	<p>Shorena Kupreishvili - Acad. Doctor of Technical Sciences, senior scientific worker, associate professor</p> <p>Konstantine Bziava- Acad. Doctor of Technical Sciences, scientific worker, associate professor</p> <p>Martin Vartanov-PhD of Economic Sciences, associate professor</p>	<p>Vakhtang Samkharadze Acad. Doctor of Technical Sciences, senior scientific worker</p> <p>Paata Sichinava Doctor of of Agro-engineering, Scientific Worker</p> <p>Irakli Kvirkvelia Scientific Worker</p> <p>Erekle Kechkhoshvili Senior Specialist</p> <p>Jemal Kakhadze Senior Specialist</p> <p>Pheride Lortkipanidze Engineer</p> <p>Maia Kikabidze Engineer</p> <p>Otar Gagua Scientific Worker</p> <p>Giorgi Kakashvili Scientific Worker</p>
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