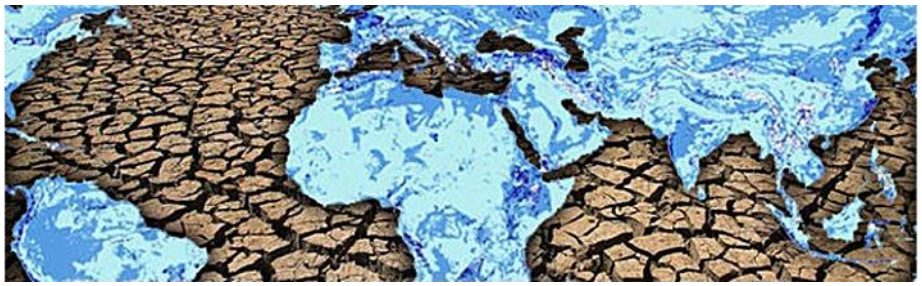
Commission for Water Sustainability



MEMBER PROFILE

	**Prof. Endon Garmaev**
	Country: **Russia**
	Affiliation: **Russian Academy of Sciences – Baikal Institute of Nature Management Siberian Branch**

Contact Details	
E-Mail Address:	garend1@yandex.ru
Website	www.binm.ru
Tel nr.	
Fax nr.	
Physical address	
Postal address	
Skype name	

Study areas	
Countries / Regions	Russian Federation / Baikal region

Topics of last three projects	
1	Negative impact of emissions and discharges of harmful substances (pollutants) in the Baikal natural territory and the development of management recommendations. (Government contract)
2	Scientific basis of hydro-ecological security of Baikal basin rivers. (Russian Foundation for Basic Research)
3	The study of the runoff spatial distribution of transboundary rivers Selenga and Chikoy and development of recommendations for the prevention of harmful effects of water. (Government contract)

	Topics of last 10 publications	**Publication links**
1	Peculiarities of Lake Baikal water level regime / Darima B Dabaeva, Bair Z Tsydypov, Alexander A Ayurzhanaev, Sergey G Andreev, Yendon Zh Garmaev // IOP Conf. Series: Earth and Environmental Science [The electronic resource] – IOP Publishing, 2016.	
2	The Selenga River delta: a geochemical barrier protecting Lake Baikal waters / Sergey Chalov, Josefin Thorslund, Nikolay Kasimov, Denis Aybullatov, Elena Ilycheva, Daniel Karthe, Alexey Kositsky, Mikhail Lychagin, Jeff Nittrouer, Maxim Pavlov, Jan Pietron	
3	Spatio-temporal dynamics of the coastline north of the Lake Baikal / Tsydypov B.Z., Garmaev E.Zh., Ayurzhanaev A.A., Andreev S.G. Batotsyrenov E.A., Alymbaeva J.B. // Bulletin of Irkutsk State Technical University. - 2014. - № 11 (94). - Pp. 111-116.	
4	Modelling flooding areas of urban territories (on example of Selenga and Chikoy rivers) / Tsydypov Zh., Ayurzhanayev A., Sodnomov B, Garmayev E., Lubsanov A // Izvestia vuzov . Geodesy and aerophotography, – 2015. – № 6, pp. 87-93 (in Russian)	
5	Spatial and temporal dynamics of the Baikal coastal line caused by control of the lake level regime / Arnold K. Tulokhonov, Endon Zh. Garmaev, Bair Z. Tsydypov // Geography, environment, sustainability. - 2013. - N 2 (6). - P. 20-27.	
6	To develop the scientific basis of hydroecological security transboundary Selenga River / Garmaev E.Zh., D. Dorzhgotov // Bulletin of the University of Buryatia. 4. Release of biology, geography. - Ulan-Ude: Publishing House of the Buryat State University	
7	Annual runoff estimation of unexplored river of Lake Baikal basin / Garmaev E.Zh. / Geography and natural resources. - 2010. - №4. - P. 69-73. (in Russian)	
8	Water resources of the river basin of Lake Baikal: the basis of their use and protection / Garmaev E.Zh. Christopher A.V. .; Ed. A.K. Tulokhonov. - Novosibirsk Academic Publishing House "Geo", 2010. - 231 p. (in Russian)	
9	Runoff of Lake Baikal basin rievers / Garmaev E.Zh. - Ulan-Ude: Publishing House of the Buryat State University, 2010. - 272 p.	
10	Reaction model for the river system of Lake Baikal basin to external influence / Garmaev E.Zh. // Irrigation and Water Management, №3. - M., 2008. - P.21-27. (in Russian)	

Research interests in water

Climate & Water	Water in arid areas	Arctic water	Water cycle	Atmospheric water	Glaciers & Cryosphere					
Hydrological extreme events	Floods	Droughts	Ice phenomena							
Water flow	Catchment processes	Run-off generation	Groundwater-Surface water interactions	Hyporheic processes	Interstitial water	Porewater	Alluvial water			
Surface water	Limnology	Fluvial dynamics	Continental scale processes	Dams / Reservoirs	Sediments	Rivers	Floodplains			
Ground water	Soil water	Karst water	Hydrogeology	Recharge						
Marine Environment	Coastal waters	Estuarian waters								
Aquatic habitats/ Ecosystems	Wetlands	Lakes	Peatlands	Rivers						
Water availability	Water utility	Water storage	Dams / Reservoirs	Water scarcity	Supply & Distribution	Water allocation	Water restrictions			
Modelling and GIS	Hydro GIS	Groundwater modelling	Surface water modelling	Remote sensing						
Water quality	Pollution	Purification	Hydrochemistry	Treatment	Desalination	Waste water	Sewage			
Water & Health	Water & Sanitation	Water & Food	Waterborne diseases	Drinking water	Water purification					
Water & Energy	Water-Energy nexus	Water for energy	Energy for water	Water, Food & Energy						
Water management/ policy	Integrated Catchment management	Integrated water resource management	Water loss	Reticulation & Supply	Transboundary water					
Water use	Urban	Agricultural	Mine water	Industrial	Grey water	Green water	Blue water	Return water	Water sustainability	Competing water use
Water Law & Economics	Water trade	Virtual water	Privatisation	Water as public good	Right to water	Bills & Laws	Affordability			
Socio-political aspects	Water history	Water wars	Water & Poverty	Access to water						