



## MEMBER PROFILE

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<b>Study areas</b>	
Countries / Regions	Republic of Buryatia, Russian Federation

<b>Topics of last three projects</b>	
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	<b><u>Topics of last 10 publications</u></b>	<b><u>Publication links</u></b>
1	Dorjiev B.Ch., Darizhapov Dashi D., Daribazaron Erdem Ch., Tzydypov Bair Z. Baikal Regional System of Ecological Monitoring of Natural Objects // Proceedings of the 1998 IEEE International Geoscience and Remote Sensing Symposium, IGARSS. Part 1 (of 5). –	
2	Butukhanov V.P., Zhamsueva G.S., Zayakhanov A.S., Lomukhin Yu.L., Tzydypov B.Z. Ground level concentration of ozone in the atmosphere of the Baikal region // SPIE Proc. – 2002. – Vol. 4678. – pp. 406-414.	
3	Butukhanov V.P., Zhamsueva G.S., Zayakhanov A.S., Lomukhin Yu.L., Tzydypov B.Z., Tsydypov V.V. Relationship of Surface Ozone Concentration with Nitrogen Oxides and Air Temperature in the Atmosphere over Ulan-Ude // Russian Meteorology and Hydrology –	
4	Arnold K. Tulokhonov, Yendon Zh. Garmaev, Bair Zh. Tsydypov. Spatial and temporal dynamics of the Baikal coastal line caused by control of the lake level regime // Geography, environment, sustainability. – 2013. – N 2 (6). – pp. 20-27.	
5	Tulokhonov A.K., Tsydypov B.Z., Voloshin A.L., Batueva D.Zh., Chimeddorj Ts. Spatio-Temporal Characteristics of Vegetation Cover of Arid and Semiarid Climatic Zones in Mongolia on the Basis of Vegetation Index NDVI // Arid Ecosystems. – 2014. – Vol. 4 – №	
6	Bair Z. Tsydypov, Endon Zh. Garmaev, Arnold K. Tulokhonov, Eduard A. Batotsyrenov, Alexander A. Ayurzhanayev, Zhargalma B. Alymbaeva, Ts. Chimeddorj. Degradation of the Vegetation Cover in Central Mongolia: A Case Study // Journal of Resources and Ecology	
7	Garmaev Endon, Borisova Tatiana, Ayurzhanayev Alexander, Tsydypov Bair. Floods in the Selenga river basin: research experience // Water and environment in the Selenga-Baikal basin: International research cooperation for an ecoregion of global relevance. –	
8	D O Sayapina, M A Zharnikova, B Z Tsydypov, B V Sodnomov and E Zh Garmaev. Landscape dynamics assessment of dry climatic zones on the Baikal Gobi transect from NDVI time series and field investigations data // IOP Conf. Series: Earth and Environmental Sci	
9	Darima B Dabaeva, Bair Z Tsydypov, Alexander A Ayurzhanayev, Sergey G Andreev and Yendon Zh Garmaev. Peculiarities of Lake Baikal water level regime // IOP Conf. Series: Earth and Environmental Science [The electronic resource] – IOP Publishing, 2016. – V	
10	Чимитдоржиев Т.Н., Архинчиев В.Е., Дмитриев А.В., Цыдыпов Б.З. Фрактальный анализ поляриметрических радиолокационных данных для классификации земных покровов // Исследование Земли из космоса. – 2007. – № 4. – С. 27-33.	

## Research interests in water

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