

**“THE XIV INTERNATIONAL CONFERENCE ON ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT OF THE MONGOLIAN PLATEAU AND SURROUNDING TERRITORIES”
(ICOMP 2026)**

DETAILED PROGRAM

Date: June 26, 2026

Conference venue: Library Building, National University of Mongolia

University Street 1, Baga Toiruu, Sukhbaatar District, Ulaanbaatar 14201, Mongolia

| Time | Activities |
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| 08:00-09:00 | Registration |
| OPENING CEREMONY (09:00-09:40) 502, 5th floor, Library Building, NUM | |
| 09:00-09:10 | Traditional cultural performance |
| 09:10-09:15 | Opening speech, Dr. Battogtokh Dorjgotov, President, Mongolian Geographical Society |
| 09:15-09:20 | Congratulatory Remarks, Dr. Dashtseren Avirmed, Director, Institute of Geography and Geocology, Mongolian Academy of Sciences |
| 09:20-09:25 | Mr Bat-Erdene Batnasan, Director, Mongolian National Foundation for Science and Technology |
| 09:25-09:30 | Dr. Byambakhuu Gantumur, Associate Professor, Head of Department of Geography, Division of Natural Science School of Arts & Sciences, National University of Mongolia |
| 09:30-09:40 | Group Photo (All participants) |
| 09:40-10:00 | Coffee Break |
| KEYNOTE PRESENTATIONS Chair: Academician, Sc.D, Dagvadorj.D (10:00-11:30) | |
| 10:00-10:15 | “Big data and intelligent computing enable ecological sustainability on the Mongolian Plateau” Dr, Professor, Juanle Wang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences |
| 10:15-10:30 | “State of Natural Components under a Changing Climate in Mongolia” Dr. Dashtseren Avirmed, Director, Institute of Geography and Geocology, Mongolian Academy of Sciences |
| 10:30-10:45 | “The Response of Global Climate Change on the Great Asian Watershed” Sc.D, Academician, Garmaev Endon Zhamyanovich, Director of the Baikal Institute of Nature Management of the Siberian Branch of the Russian Academy of Sciences (BINM SB RAS) Vice-President of the Russian Geographical Society Dr, Alexander Ayurzhanayev |

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| | Candidate of Sciences, Head of laboratory of Geoecology, BINM SB RAS |
| 10:45-11:00 | <p>“Traversing Spatial Horizons - History, Achievements, and Future of Geography”</p> <p>Associate Professor, Byambakhuu Gantumur, Head of Department of Geography, Division of Natural Science School of Arts & Sciences, National University of Mongolia</p> |
| 11:00-11:15 | <p>“The Green Governance Model and Sustainable Effects Assessment for Combating Desertification in Northern China”</p> <p>Dr, Professor, Dong Suocheng, Director, the Northeast Asia Sustainable Development Research Center, Chairman of International Scientists Union for the Belt and Road</p> |
| 11:15-11:30 | <p>“Why the Mongolian Plateau Matters: Future Directions for Science, Sustainability and Regional Cooperation”</p> <p>Dr. Battogtokh Dorjgotov, President, Mongolian Geographical Society</p> |
| 11:30-12:00 | Poster session |
| LUNCH (12:00-13:00) | |
| SESSION 1: Topics: Geographical research trends and emerging challenges; Environmental sustainability and natural resource management; Climate change ana adaptation strategies; 502, 5th floor, Library Building, NUM | |
| Chairs: Dr. Narangerel.S; Dr. Prof. Juanle Wang; (13:00-15:00) | |
| 13:00 – 13:15 | <p>“Satellite-Based Analysis of Spatiotemporal Variations in Atmospheric CO₂, and CH₄ over Mongolia”</p> <p>Professor, Hasi Bagan, School of Environmental and Geographical Sciences, Shanghai Normal University, China</p> |
| 13:15 – 13:30 | <p>“The Ecological Status of Water Bodies in The Baikal Region: The Current State and Environmental Risk Assessment”</p> <p>Dr. Pintaeva Evgeniya Tsydenovna Scientific Secretary of the BINM SB RAS, Baikal Institute of Nature Management Siberian Branch of Russian Academy of Sciences (BINM SB RAS)</p> |
| 13:30 – 13:45 | <p>“Toward Retrieval of Dead Fuel Moisture in Boreal Forests: Integrating Multisource Microwave Remote Sensing with Physical Constraints”</p> <p>Associate Professor, Tongxin Hu, Northeast Forestry University, China</p> |
| 13:45 – 14:00 | <p>“Flash droughts increasingly associated with global wildfire activity”</p> <p>Professor, Keyan Fang, College of Geographical Sciences, Fujian Normal University, China</p> |
| 14:00 – 14:15 | <p>“NoahPy: A differentiable Noah land surface model for simulating permafrost thermo-hydrology”</p> <p>Professor, Zhuotong Nan, School of Environmental and Geographical Sciences, Shanghai Normal University, China</p> |
| 14:15 – 14:30 | <p>“Identifying and Analyzing the Key Drivers of Drought Propagation under Climate Change”</p> <p>Dr. Sachula, Vice Dean, College of Geographical Science, Inner Mongolia Normal University, China</p> |

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| 14:30 – 14:45 | <p>“Application of remote sensing monitoring and repair technology demonstration of degraded grassland in Mongolia”</p> <p>Dr. Urtnasan Mandakh, Senior researcher, Division of GIS and Cartography, Institute of Geography and Geocology, Mongolian Academy of Sciences</p> |
| 14:45 – 15:00 | <p>“Modern development of the coal industry in southern Mongolia”</p> <p>Dr. Egor A. Sherin, Researcher, V. B. Sochava Institute of Geography, Siberian Branch of the Russian Academy of Sciences</p> |
| 15:00 – 15:20 | <p>Coffee Break – 502, 5th floor, Library of the NUM</p> |
| <p>Chairs: Dr. Sainbuyan.B, Dr. Pintaeva E.Ts (15:20-17:50)</p> | |
| 15:20 – 15:35 | <p>“Grassland Changes Across the China-Mongolia Border over the Past 40 Years and the Spatial Scale Effects of Fenced Grazing”</p> <p>Associate Professor, Bao Yulong, The College of Geographical Sciences, Inner Mongolia Normal University (IMNU), China</p> |
| 15:35 – 15:50 | <p>“Preliminary Results of the Research on Waterfalls in Mongolia”</p> <p>Associate Professor, Soyoljin Sukhbaatar, National University of Mongolia</p> |
| 15:50 – 16:05 | <p>“Long-term dynamics of icings and its impact on vegetation cover: a case study”</p> <p>Dr. Alexander Ayurzhanayev, Head of laboratory of Geocology, Candidate of Sciences, Baikal Institute of Nature Management, Siberian Branch of the Russian Academy of Sciences</p> |
| 16:05 – 16:20 | <p>“Spatiotemporal Analysis of Drought Conditions and Trends in Mongolia Using MODIS Vegetation Indices for the period 2001-2025”</p> <p>Dr. Munkhdulam Otgonbayar, Head of Division of Physical Geography, Institute of Geography and Geocology, Mongolian Academy of Sciences</p> |
| 16:20 – 16:35 | <p>“Compound drought-dust storm events on the Mongolian Plateau”</p> <p>Dr. Lan Wang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China</p> |
| 16:35 – 16:50 | <p>“Soil Bacterial EPS across a Precipitation Gradient in Mongolian Grasslands: Environmental Drivers and Practical Applications”</p> <p>Dr. Punsaldulam Dashnyam, Researcher, Institute of Biology, Mongolian Academy of Sciences</p> |
| 16:50 – 17:05 | <p>“The green development pattern of the Eurasian continent and its driving mechanism”</p> <p>Dr. Difei Zhang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences</p> |
| 17:05 – 17:20 | <p>“Climate Change Effects on High Mountain Land Cover: A Case Study of Ikh Bogd National Park, Mongolia”</p> <p>Dr. Uuganbat Ganbold, Department of Geography, School of Mathematics and Natural Sciences, Mongolian National University of Education</p> |
| 17:20 – 17:35 | <p>“Research on observation characteristics and forest combustible parameter inversion technology of multi-source microwave remote sensing in forest areas along the China-Mongolia border”</p> <p>Yanan Qu,</p> |

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| | Northeast Forestry University, China |
| 17:35 – 17:50 | “Research on Fire Risk Early Warning Technology in Forest Areas along the China-Mongolia Border Based on Multi-Source Microwave Remote Sensing” Yuanting Gao, Northeast Forestry University, China |
| 17:50 – 18:00 | CLOSING SESSION – 502, 5th floor, Library of the NUM |
| SESSION 2: | |
| Topics : Socio-economic geography and regional development; Big Data and Artificial Intelligence in Geography 302, 3rd floor, Library of the National University of Mongolia | |
| Chairs: Dr. Battseengel.V; Dr. Tseyenkhand.B; (15:20-15:00) | |
| 13:00 – 13:15 | “The Role of Border Port Economic Diversification and regional and local development” Dr. Altanbagana Mygmarsuren, Head of Division of Social and Economic Geography, Institute of Geography and Geocology, Mongolian Academy of Sciences |
| 13:15 – 13:30 | “An empirical study on service quality and tourist satisfaction in Mongolia” Associate Professor, Amartuvshin Dorjsuren, Department of Geography, School of Arts and Sciences, National University of Mongolia |
| 13:30 – 13:45 | “RTSEvo v1.0: A Retrogressive Thaw Slump Evolution Model” Professor, Shuping Zhao, School of Environmental and Geographical Sciences, Shanghai Normal University, China |
| 13:45 – 14:00 | “A Spatio-Semantic Framework for Eco-National Parks: Integrating Flickr Spatio-Temporal Data with NLP-Based Analysis of YouTube Perceptions” Professor, Asamaporn Sitthi, Lecturer, Department of Geography, Social Sciences Faculty, Srinakharinwirot University, Bangkok, Thailand |
| 14:00 – 14:15 | “Economic and geographical factors of migration activity of the population of the northern Mongolian plateau” Dr. Batomunkuev Valentin Sergeevich, Head of laboratory in Geography Sciences Baikal Institute of Nature Management Siberian Branch of Russian Academy of Sciences (BINM SB RAS) |
| 14:15 – 14:30 | “Spatial comparative analysis of planned railways in Mongolia” Dr. Urantamir Gankhuyag, Senior researcher, Division of Social and Economic Geography, Institute of Geography and Geocology, Mongolian Academy of Sciences |
| 14:30 – 14:45 | “Analysis of the ecological and economic condition of the Asian Russia regions (using the regions of Siberia and the Far East as an example) based on integrated indicators” Dr. Zhamyanov Daba Tsyban-Dorzhiievich, Senior Research Fellow, Baikal Institute of Nature Management of Siberian Branch of the Russian Academy of Sciences (BINM SB RAS) |
| 14:45 – 15:00 | “Tourism development and land use/land cover changes in Khatgal, Khuvsgul aimag, Mongolia” Dr. Natalia Krasnoshtanova, Senior Researcher, V. B. Sochava Institute of Geography Siberian Branch of the Russian Academy of Sciences |
| 15:00-15:20 | Coffee Break – 302, 3 rd floor, Library of the National University of Mongolia |

| Chairs: Dr. Altanbagana.M, Dr. Batomunkuev V.S (15:20-17:45) | |
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| 15:20 – 15:35 | <p>“Implementation Assessment of the New Urban Agenda (2020-2024): Experiences, Challenges and Future Directions in Mongolia” Dr. Tseyenkhand Punsantsogvoo, Senior researcher, Division of Social and Economic Geography, Institute of Geography and Geoecology, Mongolian Academy of Sciences</p> |
| 15:35 – 15:50 | <p>“Spatiotemporal Drought Dynamics and Future Trends on the Mongolian Plateau” Dr. Lizhi Pan Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences</p> |
| 15:50 – 16:05 | <p>“Strengthening local adaptation resilience to climate change through identifying the gap between national and local policy documents in Mongolia” Dr. Lavdmaa Dagvadorj, Researcher, Division of Social and Economic Geography, Institute of Geography and Geoecology, Mongolian Academy of Sciences</p> |
| 16:05 – 16:20 | <p>“Water use and the Lake Baikal level: assessment of drinking water quality and public health risks” Ulzetueva Irina Dabaevna, Research Fellow, Baikal Institute of Nature Management of Siberian Branch of the Russian Academy of Sciences (BINM SB RAS)</p> |
| 16:20 – 16:45 | <p>“Determinants of Herder Household Migration Decisions and Policy Coherence: A Case Study of Khovd aimag” MSc, Otgonkhuu Tsedev-Ish, Researcher, Division of Social and Economic Geography, Institute of Geography and Geoecology, Mongolian Academy of Sciences</p> |
| 16:45 – 17:00 | <p>“Integrating InVEST Habitat Quality and GLUE Uncertainty Analysis for Conservation Target-Based Habitat Assessment in Ikh Gazriin Chuluu National Park, Mongolia” MSc, Batnyam Tseveengerel, Researcher, Division of Physical Geography, Institute of Geography and Geoecology, Mongolian Academy of Sciences</p> |
| 17:00 – 17:15 | <p>“Implementation of the “Power of Siberia” Main Gas Pipeline Projects in the Context of the International Transport Corridors Creation: The Experiences of Russia and Mongolia” Researcher, Konstantin Tszian, V.B. Sochava Institute of Geography, Siberian Branch of the Russian Academy of Sciences, Russia</p> |
| 17:15 – 17:30 | <p>“Climatic and Socioeconomic Risk Factors for Livestock Mortality During Winter Disasters in Western Mongolia” MSc, Saruul Galtbayar, Researcher, Division of Social and Economic Geography, Institute of Geography and Geoecology, Mongolian Academy of Sciences, Mongolia</p> |
| 17:30 – 17:45 | <p>“Urban Development Perception along the Transportation Corridors of the Mongolian Plateau Supported by SDGSAT-1 & VIIRS NTL Data” Zhichen SUN, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences</p> |
| 17:50 – 18:00 | CLOSING SESSION – 502, 5th floor, Library of the NUM |
| 18:00 – 22:00 | CONFERENCE RECEPTION (MG Steak restaurant on the 3rd floor of Galleria Ulaanbaatar) |

ICOMP 2026 – POSTERS

| Poster | Title |
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| 1 | “Informal social networks in tourism in Khuvsgul aimag of Mongolia” Dr. Mariia Kuklina, ARCTICenter of University of Northern Iowa, US |
| 2 | “Machine Learning Classification of PRISMA hyperspectral data for land cover mapping” Academician, Amarsaikhan Damdinsuren, Head of Division of Aerospace Remote Sensing, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 3 | “Spatial assessment and mapping of human pressure on dry steppe pasture” MSc, Narantsatsral Tseren, Head of the Division of GIS and Cartography, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 4 | “Assessing geo-ecological conditions: (A Case Study in Erdenet Area)” Dr. Sainbayar Dalantai, Researcher, Division of Aerospace Remote Sensing, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 5 | “Assessment of sustainable tourism carrying capacity in Khyargas Lake National Park, Mongolia” Dr. Renchinmyadag Tovuudorj, Researcher, Division of Physical Geography, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 6 | “Spatial Optimization and Economic Integration of Tourism Development in Mongolia” Dr. Amgalan Ulziikhutag, Academic Secretary, Urban and Regional Development Research Institute of the National University of Mongolia |
| 7 | “Earthquake-Induced Rockslides and Lake Depression Geomorphology in the Gobi-Altay Range, Mongolia” Dr. Altanbold Enkhbold, Department of Geography, School of Art and Sciences, National University of Mongolia |
| 8 | “Ecological Risk Assessment and Spatial Distribution of Toxic Heavy Metals in the Pasture Soils of Tsenkher Soum, Arkhangai Province, Mongolia” Dr. Bilguun Ulziibat, Researcher, Division of Environmental and Natural Resource Management, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 9 | “Comparative evaluation of spectral indices for surface water mapping: a case study of Uvs Lake region, Western Mongolia” MSc, Unurnyam Jugnee, Researcher, Division of Water Resources and Water Utilization, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 10 | “The factors contributing to the wildfire occurrence in the border area of Mongolia and China” MSc, Amarjargal Sanjjav, Researcher, Division of GIS and Cartography, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 11 | “Spatiotemporal Patterns and Driving Forces of Land Degradation in Mongolia from 1985 to 2022: Insights from Long-Term NDVI Time Series and Geospatial Analysis” MSc, Danzanchadav Ganbat, College of Geographical Science, Inner Mongolia Normal University, China; Researcher, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 12 | “Watershed-Based Morphometric Analysis of the Selenge River Basin” |

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| | MSc, Bayanjargal Bumtsend, Researcher, Division of Physical Geography, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 13 | “Spatial Distribution of Heatwaves in Arkhangai Province Assessed Using Machine Learning Methods” MSc, Byambadolgor Batdorj, Researcher, Division of Aerospace Remote Sensing, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 14 | “Methodological issues in delineating tourism regions using cluster analysis” MSc, Natsagsuren Bayasgalan, Researcher, Division of Social and Economic Geography Institute of Geography and Geoecology Mongolian Academy of Sciences |
| 15 | “Remote Sensing-Based Estimation of Soil Organic Carbon Stock (SOC) in Croplands” MSc, Delgertsetseg Renchinmyadag, Researcher, Division of Land Resource and Land use, Institute of Geography and Geoecology Mongolian Academy of Sciences |
| 16 | “Evaluating the spectral reflectance characteristics of arid steppe vegetation in relation to Long-Term trends in vegetation cover changes” MSc, Nyamkhuu Myanganbuu, Researcher, Division of GIS and Cartography, Institute of Geography and Geoecology Mongolian Academy of Sciences |
| 17 | “Estimating Soil Total Nitrogen and Total Phosphorus Using Machine Learning Methods” MSc, Jargaldalai Enkhtuya, Researcher, Division of Aerospace Remote Sensing, Institute of Geography and Geo-Ecology, Mongolian Academy of Sciences |
| 18 | “Assessment of Corrosion Potential in Drinking Water Distribution Networks Using Water Stability Indices: A case Study of Khan-Uul District, Ulaanbaatar, Mongolia” MSc, Enkhjargal Togtokh, Researcher, Division of Water Resources and Water Utilization, Institute of Geography and Geo-Ecology, Mongolian Academy of Sciences |
| 19 | “Assessment of the current condition of Mongolian border ports” MSc, Nandin-Erdene Amartuvshin, Researcher, Division of Social and Economic Geography, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 20 | “Results of integrating field vegetation survey and remote sensing analysis of pasturelands in the Kherlen River Basin” MSc, Uuriintsolmon Enkhtaivan, Researcher, Division of Land Resource and Land use, Institute of Geography and Geoecology Mongolian Academy of Sciences |
| 21 | “Hydroclimatic Drivers of Lake Area Dynamics in the Khar-Us Lake Basin, Western Mongolia” MSc, Tsolmonbayar Galbadrakh, Researcher, Division of GIS and Cartography, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 22 | “Evaluation of the Ecological Vulnerability in the Eastern Region of Mongolia” Munkhtur Batkhuu, Researcher, Division of GIS and Cartography, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 23 | “Assessment of Hydrogeochemical Processes in Lake Khuvsgul Using Saturation Indices” Erdenechimeg Surenjav, |

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| | Researcher, Division of Water Resources and Water Utilization, Institute of Geography and Geoecology, Mongolian Academy of Sciences |
| 24 | <p>“Sustainable Green Space Development in Kharkhorum City: Soil Characteristics and Irrigation Requirements”</p> <p>Zoljargal Tuvshin, Researcher, Division of Environmental and Natural Resource Management, Institute of Geography and Geoecology, Mongolian Academy of Sciences</p> |
| 25 | <p>“Pollution and Degradation of Ugii Lake”</p> <p>Tsend-Ayush Tserentogtokh, Researcher, Division of Environmental and Natural Resource Management, Institute of Geography and Geoecology, Mongolian Academy of Sciences</p> |
| 26 | <p>“A Study on Environmental Degradation Caused by Solid Waste in Ulaanbaatar City”</p> <p>Gansaikhan Munkhjargal, Researcher, Division of Environmental and Natural Resource Management, Institute of Geography and Geoecology, Mongolian Academy of Sciences</p> |
| 27 | <p>“Assessing Habitat Quality and Degradation Using the InVEST Habitat Quality Model: A Case Study of the Zed-Khantai-Buteel Mountain Range Strictly Protected Area, Mongolia”</p> <p>Arvinzaya Amarsaikhan, Researcher, Division of Physical Geography, Institute of Geography and Geoecology, Mongolian Academy of Sciences</p> |