



**LAND MANAGEMENT, ENVIRONMENT & SOLID-WASTE:
INSIDE EDUCATION AND BUSINESS IN CENTRAL ASIA**
ERASMUS-EDU-2023-CBHE Project 101129032 | 19–20 October
2026 | Bukhara, Uzbekistan

SLM2026 INTERNATIONAL CONFERENCE PROGRAMME



Co-funded by
the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

1. CONFERENCE INFORMATION

Conference	LESLIE Sustainable Land Management (SLM) International Conference 2026
Dates	19-20 October 2026
Venue	Bukhara State University (BukhSU), M. Iqbol Str. 11, 200117, Bukhara, Uzbekistan
Format	Single-track scientific programme with five thematic areas; oral presentations and poster sessions.
Oral contribution format	15 minutes per oral contribution. One invited lecture of 15 minutes at the beginning of each morning.
Official webpage	https://leslieproject-eu.com/leslie-conference/

2. PROGRAMME AT A GLANCE

Day	Time	Activity
09:00–17:40	09:00–09:30	Participant registration and welcome coffee
	09:30–09:45	Official opening of the LESLIE SLM2026 International Conference
	09:45–10:00	Opening invited lecture
	10:00–10:45	Sustainable Land Management, Environmental Monitoring and Modelling
	10:45–11:15	Coffee break and Poster Session
	11:15–12:30	Sustainable Land Management, Environmental Monitoring and Modelling
	12:30–13:30	Lunch break
	13:30–15:10	Circular Economy, Waste Management and Resource Efficiency
	15:10–15:55	Sustainable Development, Food Security and Environmental Policy
	15:55–16:25	Coffee break and Poster Session
	16:25–17:40	Sustainable Development, Food Security and Environmental Policy
09:00–16:00	09:00–09:15	Morning invited lecture — speaker and title to be confirmed
	09:15–10:45	Water Resources, Irrigation and Wastewater
	10:45–11:45	Climate Change, Environmental Risks and Resilience
	11:45–12:00	Closing Ceremony
	12:00–16:00	Field trip

3. MONDAY 19 OCTOBER 2026

Time	Type	Presentation / activity	Presenter / institution
09:00–09:30	Registration	Participant registration and welcome coffee	Conference Secretariat
09:30–09:45	Opening	Official opening of the LESLIE SLM2026 International Conference	Obidjon Khamidov – Rector, Bukhara State University Javier Rodrigo Ilarri – Project Coordinator, Polytechnic University of Valencia Jasurbek Abdullayev – Head of Bukhara Regional Department of Ecology and Climate Change
09:45–10:00	Invited Oral	The Erasmus+ CBHE LESLIE project	Javier Rodrigo Ilarri – UPV LESLIE Project Coordinator

A1. SUSTAINABLE LAND MANAGEMENT, ENVIRONMENTAL MONITORING AND MODELLING

10:00–10:45 | Chair: Luis Manuel Sánchez Ruiz (Universitat Politècnica de València, Spain)

Time	Type	Presentation / activity	Presenter / institution
10:00-10:15	Oral R014	Analysis of Land Cover and Degradation Using Multi-Index Remote Sensing from 1994 to 2024: The Case of Gijduvan District, Uzbekistan.	Maqsuda Hayitova — TIIAME-NRU - Tashkent Institute of Irrigation and Agricultural Mechanization Engineers
10:15–10:30	Oral R028*	Theoretical-methodological foundations of assessment of the ecological condition of land resources based on GAT and remote sensing data, geomodeling and cartographic representation	Malikakhon Jalolova — Samarkand University of Architecture and Civil Engineering named after Mirzo Ulugbek
10:30-10:45	Oral R025*	Machine Learning-Based Spatial Modeling of Agricultural Biomass Energy Potential in the Fergana Region Using Multi-Temporal Landsat 8/9 Imagery	Malikakhon Jalolova — Mirzo Ulug'bek nomidagi Samarqand davlat arxitektura-qurilish universiteti

10:45–11:15 | COFFEE BREAK AND POSTER SESSION

A1. SUSTAINABLE LAND MANAGEMENT, ENVIRONMENTAL MONITORING AND MODELLING — CONTINUED

11:15–12:30 | Chair: Eleni Toxqui (University of Cyprus)

Time	Type	Presentation / activity	Presenter / institution
11:15–11:30	Oral R033	Model Coefficient Estimation Using the Stochastic Approximation Method	Dilafruz Abduqodirova — Tashkent State Technical University named after Islam Karimov, Uzbekistan
11:30–11:45	Oral R129	From Degraded Land to Sustainable Agricultural Production: A Practical Case of Land Restoration and Climate-Resilient Farming in Tajikistan.	Manzura Asadova — Women-Led Sustainable Agriculture Enterprise "Dehkan Farm" and Executive Director Public Organization "NISOCHON"
11:45–12:15	Oral R126*	Situation of Agricultural Infrastructure and Desertification Processes in Uzbekistan	Alisher Yunusov — FPI - Fergana Polytechnic Institute
12:15–12:30	Discussion	Session discussion	Session chair and speakers

12:30–13:30 | LUNCH BREAK

A2. CIRCULAR ECONOMY, WASTE MANAGEMENT AND RESOURCE EFFICIENCY

13:30–15:10 | Chair: Luis Manuel Sánchez Ruiz (Universitat Politècnica de València, Spain)

Time	Type	Presentation / activity	Presenter / institution
13:30–13:45	Oral R002*	The solid waste management system in Valencia Metropolitan Area	Javier Rodrigo Ilarri — UPV - Universitat Politècnica de València
13:45–14:00	Oral R138	From Illegal Dumpsites to Community Action: The AntiTrash Experience in Kazakhstan	Bauyrzhan Amanov — AntiTrash Environmental Project, Kazakhstan
14:00–14:15	Oral R130	Use of organic waste for agricultural production on degraded lands: impact on soil properties, crop productivity, and resource sustainability	Shavkat Imomov — BINRM-TIIAME - Bukhara branch of TIIAME
14:15–14:30	Oral R046	Integrating Circular Economy Principles in the Agri-Food Supply Chain: A Systematic Literature Review of Pathways for Sustainable Resource Utilization	Elnorakhon Muminova — FPI - Fergana Polytechnic Institute

Time	Type	Presentation / activity	Presenter / institution
14:30–14:45	Oral R019	Digital Transformation and Circular Economy Transition in Public Sector Governance	Bashir Aliyu Yakasai — Fergana State Technical University
14:45–15:00	Oral R038*	Circular Economy Practices in Central Asia: From Waste Management to Resource Recovery	Khava Yevloyeva — KOKSU - Sh. Ualikhanov Kokshetau State University
15:00–15:10	Discussion	Thematic discussion	Session chair and speakers

A3. SUSTAINABLE DEVELOPMENT, FOOD SECURITY AND ENVIRONMENTAL POLICY

15:10–15:55 | Chair: Francisco Javier Pallarés Rubio (Universitat Politècnica de València, Spain)

Time	Type	Presentation / activity	Presenter / institution
15:10–15:25	Oral R134	European Green Initiatives: Global Perspectives and Future Outlook	Alessandro FIGUS — UNICAS - University of Cassino and Southern Lazio
15:25–15:40	Oral R005	UPV ecosystem on environmental and social sustainability	Luis Manuel Sánchez Ruiz — UPV - Universitat Politècnica de València
15:40–15:55	Oral R013	Global Research Trends in Renewable Energy and Their Contribution to Sustainable Development Goals: A Bibliometric Analysis (2015–2024)	Zulfiya Kannazarova — TIAME-NRU - Tashkent Institute of Irrigation and Agricultural Mechanization Engineers

15:55–16:25 | COFFEE BREAK AND POSTER SESSION

A3. SUSTAINABLE DEVELOPMENT, FOOD SECURITY AND ENVIRONMENTAL POLICY — CONTINUED

16:25–17:40 | Chair: Javier Rodrigo Ilarri (Universitat Politècnica de València, Spain)

Time	Type	Presentation / activity	Presenter / institution
16:25–16:40	Oral R044	Sustainable Postharvest Management and Food Security	Bahtiyorjon Abdusattorov — IAU - International Agricultural University
16:40–16:55	Oral R020	The Role of Milk and Dairy Products in Ensuring Food Security and Sustainable Consumption in Uzbekistan: Evidence from Econometric Analysis and Implications for Central Asia	Sarvinoz Mamatojjeva — The International institute of food technology and engineering

Time	Type	Presentation / activity	Presenter / institution
16:55–17:10	Oral R030	Smart Agriculture for Advancing Sustainable Development Goals: Leveraging Digital Innovation to Improve Food Security and Climate Resilience in Africa	Isaac Dosu — S.K Diawuo Limited
17:10–17:25	Oral R133	INFLUENCE OF CROPLAND NUTRIENT BALANCES, FERTILIZER-INDUCED N ₂ O EMISSIONS, AND PRECIPITATION ON MAJOR CROP YIELDS IN TÜRKİYE: A LONG-TERM TRADE-OFF ANALYSIS	Ahmad Yusril Lumban Gaol — Tokat Gaziosmanpaşa üniversitesi
17:25–17:40	Oral R031*	Traditional Carpet Weaving in the Nurata Oasis: Historical, Ethnological, and Sustainable Perspectives on a Regional Textile Heritage	Khayriddin Berdiev — Tashkent State Technical University named after Islam Karimov

4. TUESDAY 20 OCTOBER 2026

Time	Type	Presentation / activity	Presenter / institution
09:00–09:15	Invited lecture	The internationalization strategy at BukhSU after the LESLIE project	Abror Juraev

A4. WATER RESOURCES, IRRIGATION AND WASTEWATER

09:15–10:45 | Chair: Javier Rodrigo Ilarri (Universitat Politècnica de València, Spain)

Time	Type	Presentation / activity	Presenter / institution
09:15–09:30	Oral R041	Basin Approach as a Key Instrument for Sustainable Water Resources Management in Central Asia	Kassym Duskayev — KAZNU - Al-farabi Kazakh National University
09:30–09:45	Oral R137*	OPERATIONAL RESILIENCE OF HYDRAULIC STRUCTURES UNDER CLIMATE CHANGE	MİSİRXAN HASANOV — Azerbaijan State Agricultural University
09:45–10:00	Oral R140	SUSTAINABLE MANAGEMENT OF IRRIGATED LANDS AND IMPROVEMENT OF THEIR RECLAMATION STATUS UNDER CLIMATE CHANGE	Sevda Valiyeva — Azerbaijan University of Architecture and Construction (AzUAC)
10:00–10:15	Oral R051	Effect of Water-Saving Irrigation Technology on Winter Wheat Yield in the Soils of the Newly Reclaimed Desert Zone under Global Climate Change	Umidjon Saksonov — BukhSU - Bukhara State University
10:15–10:30	Oral R026	A Bibliometric Analysis of S-Scheme Photocatalysts for Wastewater Treatment: Research Trends, Knowledge Structure, and Future Perspectives (2021-2025)	Faisal Mukhtar Mukhtar — Navoi State University of Mining and Technologies
10:30–10:45	Oral R023	MICROPLASTICS IN KAZAKHSTAN'S WASTEWATER: TECHNOLOGICAL CHALLENGES AND TOXICOLOGICAL RISKS	Natalya Salikova — Satbayev University

A5. CLIMATE CHANGE, ENVIRONMENTAL RISKS AND RESILIENCE

10:45–11:45 | Chair: Eleni Toxqui (University of Cyprus)

Time	Type	Presentation / activity	Presenter / institution
10:45–11:00	Oral R055	CLIMATE RESILIENCE IN THE TURKISTAN REGION: WATER SCARCITY, DROUGHT, AND LAND DEGRADATION	Raushan Nurdillayeva — AYU - Ahmet Yasawi University
11:00–11:15	Oral R131	Climate Change and Drought Resilience in Arid and Semi-Arid Iran: Adaptation Strategies for Sustainable Water Management	Saeed Givvehchi — University of Tehran, Iran
11:15–11:30	Oral R006	Structural and seismic resilience: Research activities at ICITECH-UPV	Francisco J. Pallarés Rubio — UPV - Universitat Politècnica de València
11:30–11:45	Discussion	Session discussion	Session chair and speakers

11:45–12:00 | CLOSING CEREMONY

12:00–17:00 Field trip + Lunch

Varnet High-Tech Greenhouse Complex + Botanical Garden

5. ACCEPTED POSTER PRESENTATIONS

Recommended display period: all posters mounted before the first technical session on Monday and kept on display until the closing session on Tuesday.

Poster viewing takes place during both days.

The list contains 26 poster records with a supplied title and abstract. Registration IDs are retained for correspondence.

ID	Poster title / outstanding details	Presenter / institution
R122	Can Digital Payments Formalize the Shadow Economy? Evidence from Eight Post-Soviet Transition Economies	Javokhir Abdullaev Bukhara state technical university
R012	Digital and Informatics Foundations of Demographic Mapping and Cartographic Research	Sarvar Abdurakhmonov TIIAME-NRU - Tashkent Institute of Irrigation and Agricultural Mechanization Engineers
R015	Monitoring and analysis of agricultural land resource degradation using remote sensing technologies (on case study of the Fergana region)	Sarvar Abdurakhmonov TIIAME-NRU - Tashkent Institute of Irrigation and Agricultural Mechanization Engineers
R009	Mapping the changes in the coastline of the chirchik river based on remote sensing data, using the cartographic research method	Valieva Albina TIIAME-NRU - Tashkent Institute of Irrigation and Agricultural Mechanization Engineers
R034	Banana Loop- Waste to wealth	Zeeshan Ali University of Goettingen
R053	Geographical Aspects of Local Water Resources and Their Sustainable Use in the Low Mountains of the Desert Zone: A Case Study of Ovminzatov	Shohida Babakulova BukhSU - Bukhara State University
R029	Climate Change and Agricultural Productivity: A Global Review	Alireza Banioghbeh Razi University
R018	Transforming Waste into Resource: Circular Economy Strategies for Remediating Contaminated Agricultural Lands	david cobla bloomvaliden
R024	Research on the measurement, spatiotemporal variations and improvement strategies of sustainable intensification of cultivated land: taking the Yangtze river of China as an example	rui duan Sichuan university

ID	Poster title / outstanding details	Presenter / institution
R136	Degradatsiyaga uchragan tuproq sharoitida *Silphium perfoliatum* L. ning fenotipik plastikligi va reproduktiv samaradorligi: ekologik tiklash uchun ahamiyati	Mavluda Eshmurodova Scientific Research Institute of Grain and Legume Crops. Uzbekistan
R091	DESERTIFICATION PROCESSES IN BUKHARA REGION: CAUSES, CONSEQUENCES AND MEASURES TO COMBAT THEM	Fotima Farmonova BukhsU - Bukhara State University
R139	Protein-Hydrolysate-Modified Organomineral Amendments for Mine Tailings Stabilization and Wind Erosion Control	Aidyn Gazizov Research Center for Ecology and Environment of Central Asia (Almaty)
R125	SPATIAL HYDROGEOMORPHOLOGICAL ANALYSIS OF RUNOFF ACCUMULATION AND TEMPORARY CHANNELS IN THE CENTRAL KYZYLKUM	Tuxtaeva Khabiba BINRM-TIIAME - Bukhara branch of TIIAME
R089	ECOLOGICAL AND SOCIO-ECONOMIC CONSEQUENCES OF THE ARAL SEA DESICCATION: A COMPREHENSIVE REGIONAL ANALYSIS	Anvar Nematov BukhsU - Bukhara State University
R010	GIS-BASED QUALITATIVE ASSESSMENT OF IRRIGATED AGRICULTURAL LANDS: A METHODOLOGICAL APPROACH FOR BUKHARA REGION, UZBEKISTAN	Rustam Oymatov TIIAME-NRU - Tashkent Institute of Irrigation and Agricultural Mechanization Engineers
R087	THE IMPORTANCE OF GEOINFORMATIC SYSTEMS IN MODERN GEOGRAPHICAL RESEARCH	Abdulla Qodirov BukhsU - Bukhara State University
R098	Yer resurslarini muhofaza qilish va ulardan o'zgarmas foydalanishni huquqiy tartibga solish	Munisa Rajabboyeva BukhsU - Bukhara State University
R086	Assessment of Environmental Risks and Climate Change Impacts in the Bukhara Region of Uzbekistan	Gulhoyo Ro'ziyeva BukhsU - Bukhara State University
R027	Spatiotemporal Assessment of Land Subsidence Dynamics in Eastern Mazandaran Province Using Sentinel-1 Time-Series InSAR Data	Hosseini Shakeri Rostami Sari Agricultural Sciences and Natural Resources University
R084	Impacts of Climate Change on Human Health: Challenges and Potential Solutions	Zuhra Sharipova BukhsU - Bukhara State University
R042	ESG-Driven University Transformation: Benchmarking Global Sustainability Rankings and Strategic Roadmap for Al-Farabi KazNU	Zhanar Shortanbayeva KAZNU - Al-farabi Kazakh National University

ID	Poster title / outstanding details	Presenter / institution
R048	Organizational Mechanisms for Circular Water Resource Management in Water-Scarce Regions: A Conceptual Framework	Muslimaxon Sotvoldiyeva FPI - Fergana Polytechnic Institute
R056	ECOLOGICAL STATUS OF RESERVOIRS IN THE TURKISTAN REGION UNDER CLIMATE CHANGE AND ANTHROPOGENIC PRESSURE	Gaziza Toychibekova AYU - Ahmet Yasawi University
R124	DEVELOPMENT OF A RESOURCE-SAVING TECHNOLOGY FOR GROWING WINTER WHEAT IN NEWLY DEVELOPED DESERT AREAS OF THE SOUTHERN REGION OF THE REPUBLIC OF UZBEKISTAN	Ikrom Tursunov BINRM-TIIAME - Bukhara branch of TIIAME
R039	From Practices to Progress: Challenges and Opportunities for Circular Economy in Central Asia	Khava Yevloyeva KOKSU - Sh. Ualikhanov Kokshetau State University
R142	Participatory Hydrological Monitoring for Sustainable Land and Water Management: A Community-Based Approach to Flood Risk Reduction	David Román Chaverra UPV – Universitat Politècnica de València
R143	The Erasmus+ LESLIE Project	Javier Rodrigo-Illarri UPV – Universitat Politècnica de València
R144	The Erasmus+ SPECIAL Project	Javier Rodrigo-Illarri UPV – Universitat Politècnica de València
R155	The Erasmus+ GREENFUTURE Project	Javier Rodrigo-Illarri UPV – Universitat Politècnica de València