

11th World Sustainability Forum

List of Posters



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Poster Session A: S4 & S5

Friday, 03 October 2025 **(09:50–11:25)**

Number	Session	Presenting author	Presentation title
1	S4. Sustainable Urban Landscape	Swathi Sethuram	Sustainable Futures Through Living Heritage: A Canal-Led Urban Regeneration For Alappuzha's Heritage Zone.
2	S4. Sustainable Urban Landscape	Zhardei Alyson Naranjo	Place Attachment to the Pocket Parks in Dasmariñas City.
3	S4. Sustainable Urban Landscape	Esra Ersoy Omeroglu	Healthy Roots, Healthy Microbes? Metagenomic Exploration of Soil Microbiota in Contrasting Potato Fields
4	S4. Sustainable Urban Landscape	Gilbert Katarwa	Spatial dynamics of Slum Expansion and prediction in East African Cities
5	S4. Sustainable Urban Landscape	Nasim Sadraei Tabatabaei	Building a coherent Ecological Network through Legislation and Planning Guidelines
6	S4. Sustainable Urban Landscape	I Made Pradnyan Dana Natawiguna	Landscape Design Approach for preserving telajakan in urban area: Case Study Denpasar City
7	S4. Sustainable Urban Landscape	Slaveya Petrova	Urban Pollution Shapes the Endophytic Microbiome of Urban Trees: Taxonomic and Functional Insights from <i>Fraxinus excelsior</i> , <i>Tilia tomentosa</i> , and <i>Pinus nigra</i> in Plovdiv, Bulgaria
8	S4. Sustainable Urban Landscape	Hongshi Cao	Exploring the Mechanisms Behind the Influence of Environmental Elements on Spatial Attractiveness in a Chinese Water Town Using Computer Vision Techniques
9	S4. Sustainable Urban Landscape	Caryll Bern Buenaluz Fuchigami	Urban Community Public Space Assessment through Social Cohesion Analysis: The Case of Baguio City Public Market
10	S4. Sustainable Urban Landscape	Luisa Ria	Sustainable management of UNESCO landscapes

11	S5. Circular Economy	Yinfu Liu	Dynamic Digital Transformation Choice: A Comparative Productivity and Profit Analysis among China and EU Circular Manufacturers
12	S5. Circular Economy	Sven Rarbach	Potentials of Product Lifecycle Management to enhance Circular Economy
13	S5. Circular Economy	Yichen Sun	Optimizing Land Resource Management System for Sustainable Green Economic Structures
14	S5. Circular Economy	Sara González-García	Closing the loop in Farming. Life cycle assessment of manure to Hydrogen and Biofertilizer: Biorefinery for energy and nutrient self sufficiency
15	S5. Circular Economy	Viktoriia Plavan	Eco-friendly polymer waste processing technology to solve the plastic pollution problem.
16	S5. Circular Economy	Slaveya Petrova	Analysis of the customers' behavior towards sustainable waste management and circular economy
17	S5. Circular Economy	Anuša Babuder	Shared spaces as a promising contribution to sustainable renovation of residential neighborhoods
18	S5. Circular Economy	Ilze Stokmane	Waste wood for designed urban amenities
19	S5. Circular Economy	Ikechukwu Michael Torti	AI-Powered Framework for Circular Procurement Transparency in Municipal Systems
20	S5. Circular Economy	Kristian Borch	Circular Kaupanes: A Circular and Low-Carbon Industrial Ecosystem in a Norwegian Port Territory
21	S5. Circular Economy	Kinga Wieczorek	Glycolysis of Polyurethane Foam: A Pathway to High-Performance Insulation Materials within the Circular Economy
22	S5. Circular Economy	Teodor Ioan Trasca	Closed-Loop System for Reducing Agricultural Waste and Enhancing Sustainability - A Proposed Circular Economy Model for the Wine Sector
23	S5. Circular Economy	Carmen Vásquez	Merchant Ship Recycling As A Strategy For Decarbonization Maritime Sector

Poster Session B: S1 & S6

Friday, 03 October 2025 **(12:05 – 14:50)**

Number	Session	Presenting author	Presentation title
1	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Juan Antonio Torrents Arevalo	Climate Change: Sustainable management model emergency shelters for regions affected by heavy floods
2	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Godwin Appiah-Kubi	Exploring The Intersection of Fintech and Governance in Promoting Sustainable Agribusiness Practices in Ghana
3	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Mauro Mini	From Simulation to Sustainability: DER-CAM-Driven Energy Planning for the Green Transition
4	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Daniele Giusto	MoBI: A Drone-Towed Multiparametric Buoy for Smart Water Monitoring
5	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Gabriel Granco	Integrating AI and Sustainability Education: Students as Innovators for Sustainability
6	S1. Emerging Technologies Implementation for Sustainable and Resilient	Ayana Ifeorah	Engaging Homeowners in Developing Climate-Adaptive and Good-Quality Residential Housing Retrofitting in Yorkshire, England

	Cities and Communities		
7	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Hideaki Kurishima	"Co-learning" for Sustainable and Resilient Communities: Conceptualization, Typology, and Method Development
8	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Ernestina Engel	Monitoring and Managing Cultural Heritage under Climate Change: Technological Strategies and Implementation Challenges in Brazil
9	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Junho Choi	Hidden Environmental Footprints of AI Training: Evidence from Google's Gemini 1.0
10	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Ni Made Indriyani	Building Characteristic and Landscaping Optimization through ENVI-met Simulation Based on Field Study of Microclimate Effect from Water Body in NTUST Campus Area
11	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Rumi Yatagawa	Efforts and evaluation of human resource development to contribute to regional sustainability in Japanese junior and senior high schools: Focusing on changes in knowledge, awareness, and behavior
12	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Swathi Sethuram	Planning for Heat : Ward-Level Insights on Kochi's LST Dynamics and Mitigation Strategies for Climate Future
13	S1. Emerging Technologies	Miguel Iglesias	AIoT and Open Data for Environmental Justice: Smart Public Lighting as a Platform for Resilient

	Implementation for Sustainable and Resilient Cities and Communities		and Sustainable Communities in Open-Pit Mining Regions
14	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Zheng Zhaoyi	ESG Investment in Urban Green Projects: A Bayesian Uncertainty Approach
15	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Jay Emanuel Quiroz Alegarbes	On System Dynamics: An Evaluation on the Impact of Integrating Artificial Intelligence (AI) in a Solar-Powered Hydroponics System in a Local Philippine Community
16	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Stefano Bigiotti	Sustainable Seismic Retrofitting of Rural Masonry Buildings with SRG Materials: Review, Perspectives, and a Strategy for Protecting Landscape and Heritage
17	S1. Emerging Technologies Implementation for Sustainable and Resilient Cities and Communities	Jeong-Hee Eum	Collecting Personal Thermal Sensation Data and Building Maps Using a Mobile Application and Living Labs with Citizen Participation
18	S6. Renewable Energy	Xuming Qian	Decoding the Paradoxical Drivers of Renewable Energy Transition in Arab Countries
19	S6. Renewable Energy	Viktoriia Plavan	Environmentally Responsible Chemical Purification Method of Natural Graphite for Sustainable Battery Production
20	S6. Renewable Energy	Paulina Bandrów	Green Hydrogen Revolution: Utilizing Tannery Waste in Dark Fermentation & Merging Biotechnological Innovation with Engineering Simulation
21	S6. Renewable Energy	Joanna Kazimierowicz	Innovative Integrated Biorefinery in Waste Management as an Important Factor for Sustainable and Resilient Cities Development

22	S6. Renewable Energy	Marcin Dębowski	Evaluation of the Potential of Eutrophic Urban Water Reservoirs as a Source of Biomass for Anaerobic Digestion Using the Example of the City of Olsztyn, Poland
23	S6. Renewable Energy	Niranjika Wijesooriya	Renewable Energy Policy and Emission Reduction: Assessing Policy Strength and Outcomes in the Australian Context
24	S6. Renewable Energy	Jati Kurniawan	Techno-Economic Feasibility of Green Hydrogen Production Utilizing Geothermal Energy in Indonesia

Poster Session S2 & S3

Friday, 03 October 2025 **(15:30 – end)**

Number	Session	Presenting author	Presentation title
1	S2. Sustainable Reporting and Communication in the Private and Public Sector	Tomohiro Tabata	Household analysis of the impact of energy price increases due to carbon pricing: A case study of two areas in Japan.
2	S2. Sustainable Reporting and Communication in the Private and Public Sector	Takehiro Hatakeyama	Social Network and Trust as Drivers for Nurturing Future Human Resource in Sustainable Community Development
3	S2. Sustainable Reporting and Communication in the Private and Public Sector	Sudheeksha Kiran	Harnessing the Anti-Acne Potential of Locally Sourced Seaweeds from Coastal India: Toward Sustainable and Natural Skincare Alternatives
4	S2. Sustainable Reporting and Communication in the Private and Public Sector	Serxho Preka	The Role of CEO power in Promoting Sustainable Innovation: The Path to China's 2060 Carbon Neutrality Goal
5	S2. Sustainable Reporting and Communication in the Private and Public Sector	Luz Parrondo	Revisiting Public Healthcare Cost-Effectiveness through Net Public Financing and Integrated Social Value.
6	S2. Sustainable Reporting and Communication in the Private and Public Sector	Anna Adamus-Matuszyńska	Investigating the Deficiencies in ESG Knowledge among Economics and Management Students in Poland: An Analysis of Underlying Causes and Suggestions for Educational Improvement
7	S2. Sustainable Reporting and Communication in the Private	Sara Mota Carmo	Analyses of a Social Housing of the county of Cascais, towards decarbonization

	and Public Sector		
8	S2. Sustainable Reporting and Communication in the Private and Public Sector	Liang Hou	Unveiling ESG Narratives in the Mining Sector: A PCA-Driven Analysis Based on ESG-BERT Embeddings
9	S3. Climate Change and Socio-Ecological Systems	Sara González García	Assessment of eco-efficiency in Galician dairy farms with a focus on the production of high value-added products such as ice cream
10	S3. Climate Change and Socio-Ecological Systems	Yasemin Erol Sevim	Examining Energy Retrofit in Historic Building in the UK
11	S3. Climate Change and Socio-Ecological Systems	Esra Ersoy Omeroglu	Marine litter pollution level in two important urban beach of Izmir metropolitan (Aegean Coast of Türkiye)
12	S3. Climate Change and Socio-Ecological Systems	Yunyun Xi	Analysis of climate change characteristics and extreme weather in Tarim River Basin
13	S3. Climate Change and Socio-Ecological Systems	Nusrat Ananna	Architecture as Environmental Storytelling: Creating Participatory and Regenerative Museum Spaces
14	S3. Climate Change and Socio-Ecological Systems	Veronica Gamboa	Hybrid Financing for Marine Conservation: The Case of Tubbataha Reefs Natural Park, Palawan, Philippines
15	S3. Climate Change and Socio-Ecological Systems	Samuel Chaa Kyire	Interactive dynamics of water-energy-climate change-food production conundrum: Evidence from BRICS
16	S3. Climate Change and Socio-	Bahareh Ghanati	A Hybrid GAN-TLSTM Framework for Climate-Resilient Rainfall–Runoff Modeling Across Diverse Basins

	Ecological Systems		
17	S3. Climate Change and Socio-Ecological Systems	Yoonah Shin	Associations Between Marine Plastic Pollution and Disease Burden: A Cross-National Study of COPD and Skin Disorders
18	S3. Climate Change and Socio-Ecological Systems	Parveen Kumar	Uncovering Fragmentation in Nature-Based Solutions for Climate Adaptation: A Territorial Knowledge Synthesis for Climate-Resilient Planning in Europe
19	S3. Climate Change and Socio-Ecological Systems	Aiman Mazhar Qureshi	Assessing Heat Vulnerability in Toulouse: A Spatiotemporal Approach Using Google Earth Engine
20	S3. Climate Change and Socio-Ecological Systems	Crismeire Isbaex	Shipping Emissions in Portugal's Continental Exclusive Economic Zone
21	S3. Climate Change and Socio-Ecological Systems	Erica Irinia Cruz Peraza	Life Cycle Assessment of Road Expansion: Implications for Sustainable Infrastructure Development in developing countries.
22	S3. Climate Change and Socio-Ecological Systems	Silvia Sanz	Evaluating Energy Security and Efficiency in the G20: A Data Envelopment Analysis for Comparative Insights During the Energy Transition