



GLOC 2026

IAF GLOBAL SPACE CONFERENCE ON CLIMATE CHANGE



ORGANIZER:
INTERNATIONAL
ASTRONAUTICAL
FEDERATION



HOST:

THURSDAY 4 JUNE 2026

SPEAKER	TITLE	SCREEN	TIME
Emily Wallis	Integration of Earth Observation in Policies: The European Case Study	1	12:00-12:10
Eduardo Serrano	Earth Observation-Driven Ecosystem Accounting for Climate-Informed Offshore Wind Impact Assessment	1	12:10-12:20
Emily Wallis	Impact Assessment of Earth Observation in Public Administrations: The European Case Study	1	12:20-12:30
Andrea Harrington	Data access for climate resilience: Reforming international space governance to support emerging nations in climate action	1	12:30-12:40
Raja Munusamy	Bio-Inspired Robotic Swarms in Space: A Technological Leap Toward Climate Crisis Management	1	12:40-12:50
Danielle Wood	Using the EVDT Systems Engineering Framework to design applications of satellite data for climate risk monitoring and mitigation	4	12:00-12:10
Susanne Mecklenburg	Strengthening the observation-modelling interface to support climate resilience	4	12:10-12:20
Chidinma Amanna	an autonomous on-board processing architecture for early wildfire detection using a structured cubesat formation	4	12:20-12:30
Sanjukta Deshpande	a cloud-agnostic, multi-temporal framework for robust environmental change detection and alerting using sentinel and cubesat data	4	12:30-12:40
Raad Abu Hammad	Reducing Emissions Data Latency with AI and Advanced Satellite-Aircraft Sensing Systems to Shape Climate Response Strategies	4	12:50-13:00
Iain Moore	SOLSPACE: Clean Energy from Space	5	12:00-12:10
Yu Dong	Multi-Frequency SAR Synergy for Climate and Deforestation Monitoring in Tropical Ecosystems	5	12:10-12:20
Nikolas Walz	Advancing Space-Based Climate Mitigation: A Multidimensional Evaluation Framework for Sunshade Concepts	5	12:20-12:30
Yu Dong	Geospatial Data and Workflows for Environmental and Sustainability Compliance Reporting: Space Technologies and Innovation for Climate-Ready Governance	5	12:30-12:40
Nikolas Walz	Analyzing Sunshade Constellations at SEL1: Initial Shading Impact Assessment for Space-Based Climate Intervention	5	12:40-12:50
Anh Truong	resilient space architecture under extreme conditions	5	12:50-13:00
Nick Parak	A Summary of Satellite Based Solutions for Flooding and Landslide Risk Mitigation	6	12:00-12:10
Titus Kiragu	Mangrove007: AI-Driven Global Mangrove Analytics and Visualization	6	12:10-12:20
Erik Alejandro Espinel Bernilla	Design and simulation of an electronic device for the detection and mitigation of contaminated water based on electroremediation.	6	12:20-12:30
Anh Truong	review of green house gas production using ai models	6	12:40-12:50
Christer Fuglesang	Planetary Sunshade – a technical overview of a possible space based climate mitigation method	6	12:50-13:00
Manuel Gustavo Gonzales	Sustainable Pasture Management: A Climate Resilience Strategy Enabled by Integrating Precision Geofencing and Satellite Remote Sensing	7	12:00-12:10
Gabriele Redigonda	Space for Agrifood Policies in Europe and the Mediterranean: Gaps and Opportunities	7	12:20-12:30
Nigah Awj	IP Flexibilities for Space-Based Climate Technology Transfer	7	12:40-12:50
Richard Alcantara	Disruptive Hybrid Green Propulsion for Sustainable Space Access: Non-Toxic Monopropellant Electric Integration Enabling Low-Emission Constellations and Climate-Resilient Missions	7	12:50-13:00
Simona Zoffoli	LUCE: Illuminating the Earth System with Advanced Spaceborne Lidar Technology	10	12:00-12:10
Francesco Longo	Space-Enabled Climate Adaptation: ASI's Commitment to a Resilient Future	10	12:10-12:20
Simona Zoffoli	Turning Data into Action: ASI's EO Role in Building Resilience to Disasters	10	12:20-12:30
Francesco Longo	IRIDE—Co-Designed with Users to Deliver Real-World Impact and Operational Value	10	12:30-12:40
Arnold Agaba	Longevity of space assets in orbit: Legal and practical mechanisms for sustainability in the global satellite industry	10	12:50-13:00
Adriano Castillo Huayanay	Conceptual design and evaluation of a foldable logistics module optimized for storage and distribution of humanitarian aid in areas affected by climate disasters	11	12:00-12:10
Luna Panel	Space Diplomacy for Climate Action: Italy's Role in Empowering the Global South through Capacity-Building	11	12:30-12:40
Harrison Zoor	Bridging the Cosmic Divide: StellarView's Role in Democratizing Space Education for Uganda's Youth	11	12:50-13:00
Marisol Ramos Camacho	Decentralization of STEAM Education in Peru: A Mixed-Method Assessment Using Space-Enabled Educational Outreach	11	12:40-12:50
Nishith Mishra	Building and financing Africa's space programs: Lessons from India's strategies in attaining space autonomy	14	12:30-12:40
Emmanuel Boundjia Ngakam	Green Finance and Digital Innovation: Driving Climate Resilience and Sustainable Investment in Africa Emmanuel Boundjia Ngakam Africa Golden Bank Cameroun	14	12:50-13:00