

OFFICIAL PROGRAM

World Green Infrastructure Congress 2026

27–28 OCT 2026

Innovation Day Lleida · 29–30 OCT 2026

Plenary Room

Time	Type	Title	Topic(s)
08:00–09:00	Attendee Registration		
09:00–09:30	Opening	Opening Ceremony & Welcome	
09:30–10:00	Keynote	Green Infrastructure Policies	
10:00–10:30	Keynote	Living architecture Barcelona	
10:30–11:00	Coffee Break		
13:00 – 14:30	Lunch Break · Exhibition Tour · Poster Sessions		
14:30–15:30	WGIN - AWARDS ceremony		
15:30–15:45	Paper Presentation	Unlocking Nature-Based Solutions through Private Water Replenishment: A New Financing Paradigm	Strategies – Policies – Funding programs
16:30–16:45	Paper Presentation	Enablers and barriers of green roof implementation – Lessons learned from Hamburg, Germany	Strategies – Policies – Funding programs
16:45–17:00	Paper Presentation	Reading peripheral landscapes through river-based green infrastructure: A comparative study	Strategies – Policies – Funding programs
17:00–17:15	Paper Presentation	Retrofitting Vegetated Canopy Structures for Climate-Responsive Street Shading: The Vienna Climate Canopy (Wiener Klima Himmel) Case Study	Strategies – Policies – Funding programs
17:15–17:30	Paper Presentation	Towards an Integrated Environmental - Socio-Economic Assessment Methodology for Rooftop Mitigation Strategies (RMS)	Strategies – Policies – Funding programs
17:30–18:00	Keynote	Green for Health	

Room 2

Time	Type	Title	Topic(s)
11:00–11:15	Paper Presentation	Beyond green space homogenization: Plural NbS pathways and thermal mitigation across Delhi’s urban nature typologies	Climate Resilience
11:15–11:30	Paper Presentation	Climate change impacts on urban green infrastructure: A species distribution modeling approach for Parco Le Vallere, Turin, Italy	Climate Resilience
11:30–11:45	Paper Presentation	Educational Environments as Living Systems: Evaluating Nature-Based Solutions through Bioclimatic, Social and Pedagogical Lenses	Climate Resilience
11:45–12:00	Paper Presentation	Energy Demand of Buildings With Green Façades: Key Parameters and Their Interactions	Climate Resilience
12:00–12:15	Paper Presentation	From parking lot to urban park: microclimate modelling reveals synergistic cooling effects in Antwerp	Climate Resilience
12:15–12:30	Paper Presentation	Green façades in urban development: noise reduction and urban comfort	Climate Resilience
12:30–12:45	Paper Presentation	Holistic review of implementing nature-based solutions into sustainability assessment methods	Climate Resilience
12:45–13:00	Paper Presentation	Soil respiration and microbe activity on a solar-integrated green roof	Climate Resilience
13:00–14:30	Lunch Break · Exhibition Tour · Poster Sessions		

Time	Type	Title	Topic(s)
15:30–15:45	Paper Presentation	Assessing Sustainable Urban Stormwater Management: A Comparative Study of Green Roofs and Detention Basins Strategies in Three US Cities	Water Management
15:45–16:00	Paper Presentation	Beyond Land Cover: Landscape Pattern and Surface Runoff in a Rapidly Urbanising Watershed	Water Management
16:00–16:15	Paper Presentation	Combining green roofs and green walls for integrated water management	Water Management
16:15–16:30	Paper Presentation	Getting developers to fall in love with green roofs	Water Management
16:30–16:45	Paper Presentation	Governance of nature-based solutions for urban stormwater management: Comparative insights across city scales in Europe	Water Management
16:45–17:00	Paper Presentation	Green roof water retention performance: A cross-climate study in Brazil and Germany	Water Management
17:00–17:15	Paper Presentation	Hearing the Signals, Closing the Feedback Loops: Needs-Based, Automated Irrigation and Fleet-Scale Monitoring as the Precondition for Green Infrastructure to Deliver the Full Range of Benefits Cities Now Need from It	Water Management
17:15–17:30	Paper Presentation	Integrating nature based solutions into port development: Governance and practice at Tuas Port, Singapore	Water Management

Room 3

Time	Type	Title	Topic(s)
11:00–11:15	Paper Presentation	Current and perspective role of non-human actors in nature-based solutions (NBS) projects	Health and Well-being
11:15–11:30	Paper Presentation	Ecological building envelopes: thermal comfort and well-being in the ECOLOPES project	Health and Well-being
11:30–11:45	Paper Presentation	From private yards to urban resilience: Designing micro-scale green infrastructure for healthier indoor environments	Health and Well-being
11:45–12:00	Paper Presentation	Quality of vegetables in urban horticulture: case study from rooftop garden	Health and Well-being
12:00–12:15	Paper Presentation	Rethinking Air Quality: Mapping Urban Odours to Assess the Impact of Green Infrastructure on Well-being	Health and Well-being
12:15–12:30	Paper Presentation	Urban green parks as wellness sanctuaries in a Latin-American city	Health and Well-being
12:30–12:45	Paper Presentation	Urban heat risk indices and health outcomes: Evidence from a sensitivity analysis of hazard–vulnerability weighting in Milan	Health and Well-being
12:45–13:00	Paper Presentation	Social and Nature-Based Prescribing for Mental Wellbeing: Implementation of Spain’s First Municipal Pilot Program	Health and Well-being
13:00–14:30	Lunch Break · Exhibition Tour · Poster Sessions		
15:30–15:45	Paper Presentation	The role of green infrastructure in enhancing post-conflict urban resilience: a case study of Beirut	Global South · Post-conflict recovery
16:00–16:15	Paper Presentation	Active Green Walls and Indoor Negative Air Ions: A New Perspective on Indoor Environmental Quality	Global South · Post-conflict recovery
16:15–16:30	Paper Presentation	From Equations to Action: Shaping the Green Strategy of Providencia (Chile) through Science and Community	Global South · Post-conflict recovery
16:30–16:45	Paper Presentation	Global minds, local roots: Lessons from a cross-continental workshop on equitable green infrastructure	Global South
16:45–17:00	Paper Presentation	Landscape as infrastructure: delivering multi-scale green infrastructure in the global south	Global South
17:00–17:15	Paper Presentation	Quantifying the environmental benefits of a biosolar green roof in Australia’s newest city in 100 years	Global South
17:15–17:30	Paper Presentation	Segment-level greenery deficits and environmental benefits of threshold compliance in mixed-use transit corridors: Evidence from Lucknow, India	Global South

Green "Arena"

Time	Type	Title	Topic(s)
11:00–11:15	Paper Presentation	Approaches to Communicating Disaster Risk Information Related to Climate Change: Focusing on a Survey in Japan	Technologies – Market – GI/NBS sector – Standards
11:15–11:30	Paper Presentation	Early-warning protocol for pathogen risk management in reclaimed water systems based on physicochemical monitoring	Technologies – Market – GI/NBS sector – Standards
11:30–11:45	Paper Presentation	Green curtain systems: Components, technological characteristics, and applications in retrofit and high-rise buildings	Technologies – Market – GI/NBS sector – Standards
11:45–12:00	Paper Presentation	Innovative Monitoring and Remote Sensing of water balance, urban ecology, Ecosystem services and biodiversity in coherent Nature-based solutions – green roofs and green facades	Technologies – Market – GI/NBS sector – Standards
12:00–12:45	Paper Presentation	A regenerative design approach to green infrastructure	Projects - Design
12:15–12:30	Paper Presentation	Balneário dos Ingleses: Case study	Projects - Design
12:30–12:45	Paper Presentation	Building value with rooftop stormwater infrastructure in downtown Boston	Projects - Design
12:45–13:00	Paper Presentation	Green Curtain Systems: Components and Applications in Retrofit Buildings	Projects - Design
13:00–14:30	Lunch Break · Exhibition Tour · Poster Sessions		
15:30–15:45	Paper Presentation	The role of low-growing plants in urban green infrastructure: traits driving rainwater regulation	Technologies – Market – GI/NBS sector – Standards
15:45–16:00	Paper Presentation	Twenty-six years of green roof research in arid and Mediterranean climates: A holistic evaluation of systems, substrates, vegetation, runoff and energy performance	Technologies – Market – GI/NBS sector – Standards
16:00–16:15	Paper Presentation	Understanding the behavior of fire in green roofs	Technologies – Market – GI/NBS sector – Standards
16:15–16:30	Paper Presentation	Vertical indoor forests as biomimetic building-integrated green infrastructure: three biochar-enabled typologies for healthier urban futures	Technologies – Market – GI/NBS sector – Standards
16:30–16:45	Paper Presentation	Green roof in Nordic climatic zones	Projects - Design
16:45–17:00	Paper Presentation	High-performance bioreceptive concrete for vertical greening: concept and design	Projects - Design
17:00–17:15	Paper Presentation	How can rooftop-based water management achieve multi-functional and zero-discharge urban design?	Projects - Design

Room 4

Time	Type	Title	Topic(s)
11:00–13:00	Workshop	Workshop LIFE-New European Bauhaus	Workshop LIFE-New European Bauhaus
13:00–14:30	Lunch Break · Exhibition Tour · Poster Sessions		
15:30–17:30	Workshop	Workshop Health and Well-being	Workshop Health and Well-being

Wednesday, 28 October 2026

Plenary Room

Time	Type	Title	Topic(s)
08:00–09:00	Attendee Registration		
09:00–09:30	Opening	Opening	
09:30–10:00	Keynote	Green & Blue Cities	
10:00–10:30	Keynote	Global Green Futures	
10:30–11:00	Coffee Break		
11:00–11:15	Paper Presentation	A decision-support framework for selecting nature-based solutions in water reuse systems: insights from stakeholder-based analytic hierarchy process analysis	Participatory Planning and Governance · Education
11:15–11:30	Paper Presentation	Green infrastructure as social infrastructure: the case of the La Concepción neighborhood in Cartagena from a NEB perspective	Participatory Planning and Governance · Education
11:45–12:00	Paper Presentation	Landscape architecture students learn green-blue rainwater management	Participatory Planning and Governance · Education
13:00–15:00	Lunch Break · Exhibition Tour · Poster Sessions		
15:00–15:30	Keynote	Urban Ecosystems	
15:30–15:45	Paper Presentation	Assessment of biofiltration efficiency of living walls in urban pollution control	Air Quality
15:45–16:00	Paper Presentation	From concept to practice: Mechanistic processes, exposure pathways, and implementation gaps of nature-based solutions on urban air quality	Air Quality
16:00–16:15	Paper Presentation	Hempcrete and indoor air quality: A field and laboratory assessment of particulate matter, carbon dioxide and volatile organic compounds	Air Quality
16:15–16:30	Paper Presentation	In-park emissions matter: Vegetation-driven dispersion and exposure in an urban park	Air Quality
16:30–16:45	Paper Presentation	Influence of Grey Water on Growth, Chlorophyll Stability and Visual Performance of Epipremnum aureum in Felt-Based Living Walls	Air Quality
16:45–17:00	Paper Presentation	Removal of PVC Solvent-Derived VOCs using Active Botanical Biofilters	Air Quality
17:00–17:15	Paper Presentation	Street Trees in Mixed Use Transit Corridors: Segment Level Greenery Assessment and Environmental Benefits in Lucknow, India	Air Quality
17:30–18:00	Round Table	Living Architecture: From Vertical Ecosystems to the Biodigital City	

Room 2

Time	Type	Title	Topic(s)
11:00–11:15	Paper Presentation	Maximising climate change adaptation, mitigation, and biodiversity support for green building envelopes: a computational pipeline	Climate Resilience
11:15–11:30	Paper Presentation	Modular green balcony systems for residential buildings – effects of retrofit measures	Climate Resilience
11:30–11:45	Paper Presentation	Modular retrofit vertical greening systems for dense urban districts: vegetation design strategies from the Meidlinger L Demo project	Climate Resilience
11:45–12:00	Paper Presentation	Potential of permeable asphalt as climate-active road pavements in urban climate adaptation	Climate Resilience
12:00–12:15	Paper Presentation	Quantifying How Passive Design Extends Building Survival Time During Power Outages: Compensating for Active System Vulnerability	Climate Resilience · Place Regeneration
12:15–12:30	Paper Presentation	Roofscapes Reimagined: Food, Flowers, and Power for Resilient Cities	Climate Resilience · Place Regeneration
12:30–12:45	Paper Presentation	Living walls as multifunctional urban infrastructure: linking plant traits, aerodynamics, and environmental performance	Climate Resilience · Place Regeneration
12:45–13:00	Paper Presentation	Restoration of the Manzanares–Gavia–Bulera River Ecosystem. Green and Blue Infrastructure Bosque Metropolitano of Madrid	Climate Resilience · Place Regeneration
13:00–15:00	Lunch Break · Exhibition Tour · Poster Sessions		
15:30–15:45	Paper Presentation	The use of a simulation game in climate education: experiences from the Co-Adapt project in training environmental engineering students	Water Management
15:45–16:00	Paper Presentation	Upgrading stormwater biofilters to improve trace organic contaminant removal under future climate conditions	Water Management
16:00–16:15	Paper Presentation	Engineering the root zone to cut irrigation demand in arid urban landscapes: a Dubai field validation of mineral fiber growing media and implications for drought-resilient green roofs in Europe	Water Management
16:30–16:45	Paper Presentation	Greening solutions for industrialised deep retrofit	Execution – Maintenance
16:45–17:00	Paper Presentation	Modelling the standard evapotranspiration of green walls ET0GW – process-based, validated, accurate	Execution – Maintenance
17:00–17:15	Paper Presentation	Seamless roofscapes: Integrating Mediterranean hotel roof gardens into coastal landscapes – case study	Execution – Maintenance
17:15–17:30	Paper Presentation	Life cycle assessment of green infrastructure: A roadmap for vertical greening systems	Execution – Maintenance

Room 3

Time	Type	Title	Topic(s)
11:00–11:15	Paper Presentation	Why Should Birds Sing at Your Hospital? The Case for GI/NBS at Health Facilities	Health and Well-being
11:15–11:30	Paper Presentation	Immersive therapeutic gardens for patients, families and caregivers across different clinical units at hospital universitario 12 de octubre, Madrid	Health and Well-being
12:00–12:15	Paper Presentation	A Hybrid CNN–MLP Framework for Urban Land Surface Temperature Prediction	Green Space Management
12:15–12:30	Paper Presentation	How Much Can Urban Green Infrastructure Reduce CO ₂ levels? A Case Study of the Metropolitan Area of Barcelona	Green Space Management
12:30–12:45	Paper Presentation	Rooftop Agrivoltaics: Evaluating leafy green production under opaque and semi-transparent photovoltaic modules in a semi-arid climate	Green Space Management
13:00–15:00	Lunch Break · Exhibition Tour · Poster Sessions		

Time	Type	Title	Topic(s)
15:30–15:45	Paper Presentation	Green roofs and green walls as nature-based solutions for urban biodiversity: evidence and citizen engagement from the GALLERY project	Biodiversity
15:45–16:00	Paper Presentation	Hybridization as a mean to increase resilience of native plants to green roofs: The case of Greek Sages	Biodiversity
16:00–16:15	Paper Presentation	Scaling Green Infrastructure for Biodiversity Conservation through Multi-scale Ecological Security Patterns	Biodiversity

Green "Arena"

Time	Type	Title	Topic(s)
11:00–11:15	Paper Presentation	Integration of solar and green roofs: unlocking multifunctional roofscapes	Technologies – Market – GI/NBS sector – Standards
11:15–11:30	Paper Presentation	Measureable and calculable performance of building greenery - Results from the research project MARGRET	Technologies – Market – GI/NBS sector – Standards
11:30–11:45	Paper Presentation	Scale-dependent reversal of drainage-layer performance in extensive green roofs: Evidence from bio-based fibre water-retention systems	Technologies – Market – GI/NBS sector – Standards
11:45–12:00	Paper Presentation	The 'Baobab' system: a water-autonomous, ultralight green roof solution for arid climates	Technologies – Market – GI/NBS sector – Standards
12:00–12:15	Paper Presentation	Innovative green infrastructure designs optimizing air, climate, and water pollution mitigation	Projects - Design
12:15–12:30	Paper Presentation	Open grounds, closed loops: holistic approaches for the future of sustainable landscape construction techniques	Projects - Design
12:30–12:45	Paper Presentation	SWARMing the city: How zooming out enhances preparedness for climate disasters in urban spaces	Projects - Design
12:45–13:00	Paper Presentation	The BARTLETT – an urban oasis. Development of a multifunctional element for shading, recreation, rainwater use and energy production	Projects - Design
13:00–15:00	Lunch Break · Exhibition Tour · Poster Sessions		
15:30–15:45	Paper Presentation	Waste to Green Infrastructure: Enhanced Runoff Reduction of Green Roofs by Kitchen Waste Digestate Biochar	Technologies – Market – GI/NBS sector – Standards
16:30–16:45	Paper Presentation	The Mile High Performance: The Impact of Green Infrastructure in Colorado's Semi-arid Climate	Projects - Design
16:45–17:00	Paper Presentation	The Yumana Principle: How nature-driven design guides regenerative urban development in Tijuana	Projects - Design

Room 4

Time	Type	Title	Topic(s)
11:00–13:00	Workshop	Workshop Global South	Workshop Global South
13:00–15:00	Lunch Break · Exhibition Tour · Poster Sessions		
15:30–17:30	Workshop	Workshop PostConflict-Disaster Recovery	Workshop PostConflict-Disaster Recovery