

## **Session Program**

**Jul 7 - 11, 2025**



## **AESOP ANNUAL CONGRESS 2025**

### **T\_05 ENVIRONMENT AND CLIMATE (B)**

Yildiz Technical University, Istanbul  
Çifte Havuzlar, YTÜ-Davutpaşa Kampüsü, 34220 Esenler/İstanbul, Türkiye

## Tue, July 8

11:00 AM

### T\_05 ENVIRONMENT AND CLIMATE (B): Risk and Vulnerability

Session | Location: YTU Davutpasa Campus, A0-14 | Convener: Xiaolin Lao

11:00 - 11:10 AM

#### Leveraging ecosystem services for resilient flood management: a composite index for prioritising actions

**Speaker**

Prof. Andrea Arcidiacono

11:10 - 11:20 AM

#### A Multi-Risk Framework for Assessing Urban Flood and Drought Risk: Lessons from Barcelona

**Speaker**

Ms Maria Pizzorni

11:20 - 11:30 AM

#### Assessing the Interplay Between Policies for Climate Change-Induced Disaster Risk and Urban Growth in the Case of Istanbul, Turkiye

**Speaker**

Burcu Soygüzeloğlu

11:30 - 11:40 AM

#### ALLEVIATING NEGATIVE SOCIAL CONSEQUENCES OF SUSTAINABILITY POLICIES IN URBAN AREAS

**Speaker**

Dr Ivan Tosics

11:40 - 11:50 AM

#### Integrating Climate Risk and Vulnerability Assessments into Sustainable Real Estate Development: Insights from the city of Venice & Milan

**Speakers**

Dr Carlo Federico dall'Omo, Dr Vittore Negretto

11:50 AM - 12:00 PM

#### Fostering Resilient and Healthy Cities: MAINCODE Urban Climate Shelters as Cooling Demonstration Projects

**Speakers**

Prof. Ombretta Caldarice, Dr Bruna Pincegher

12:30 PM

2:00 PM

### T\_05 ENVIRONMENT AND CLIMATE (B): Enhancing Institutional Capacities and Governance Systems

Session | Location: YTU Davutpasa Campus, A0-14 | Convener: Xiaolin Lao

2:00 - 2:10 PM

#### Adaptive Governance for Urban Heat Resilience in Xi'an's Vulnerable Communities

**Speaker**

Xiaolin Lao

2:10 - 2:20 PM

**Research on Cross-domain Eco-Spatial Synergistic Governance based on the Systems Ecology Paradigm****Speakers**

Siying Li, Zeyin Chen

2:20 - 2:30 PM

**Mapping Norrbotten's green transition: A preliminary study to achieve the sustainable development goals****Speaker**

Ms Ava Soroudi

2:30 - 2:40 PM

**Bridging policy and practice: a dual approach to spatial planning for climate resilience in the Delta Po Area****Speaker**

Prof. Filippo Magni

2:40 - 2:50 PM

**Functional Adaptation Areas: Rethinking functional areas for climate adaptation governance.****Speaker**

Dr Martina Caputo

2:50 - 3:00 PM

**Party politics and local administrative capacity in climate governance: a comparative study of the heat transition in German cities.****Speaker**

Ms Julia Sulerz

3:00 - 3:10 PM

**Sustainability Challenges and Solution Pathways: A Meta-Perspective on Transdisciplinary Urban Research in SEA and China****Speaker**

Ms Ágota Barabás

3:30 PM

4:00 PM

**T\_05 ENVIRONMENT AND CLIMATE (B): Health Impacts of Climate Change on Cities and Communities****Session** | **Location:** YTU Davutpasa Campus, A0-14 | **Convener:** Xiaolin Lao

4:00 - 4:10 PM

**Urban heat islands assessment for building city resilience: a novel approach****Speaker**

Mrs Barbara Mušič

4:10 - 4:20 PM

**Towards a better integration of urban agriculture into urban planning for healthier cities. Results from a systematic review****Speaker**

Dr Giulia Giacche

4:20 - 4:30 PM

**Unraveling the mechanisms of extreme heat on urban mobility resilience: a cycling perspective**

**Speakers**

Dr Zeyin Chen, Dr Siying Li

4:30 - 4:40 PM

**Quantifying Wet-Heat Stress in Chinese Cities: A Unified Framework for Urban Heat Island (UHI) and Urban Moisture Island (UMI) Analysis Using Ensemble Learning**

**Speaker**

Tao Wu

4:40 - 4:50 PM

**The Impact of Urban Compactness on the Urban Heat Island Effect - Evidence from 119 Cities in China**

**Speaker**

Mr Minghao Zuo

4:50 - 5:00 PM

**Integrating Heat Resilience into Urban Planning: Lessons from Greater Sydney Heat Taskforce Influence on the NSW Planning System**

**Speaker**

Nicky Morrison

5:00 - 5:10 PM

**Reintroduction of health impact assessment in Bulgarian city planning - why and how?**

**Speaker**

Dr Angel Burov

5:30 PM

## Wed, July 9

11:00 AM

### T\_05 ENVIRONMENT AND CLIMATE (B): Energy Transition for a Better Climate

**Session** | **Location:** YTU Davutpasa Campus, A0-14 | **Convener:** Osman Balaban

11:00 - 11:10 AM

#### Energy Hubs Under Transformation and the Implications for Spatial Planning: The Case of Ravenna, Italy

**Speaker**

Dr Leonardo Ramondetti

11:10 - 11:20 AM

#### Retracing Critical Energy Fictions with Youth through a Comparative Analysis of Community-Based Interventions

**Speaker**

Asli Kolbas

11:20 - 11:30 AM

#### Holistic Energy Resilience Assessment for Advancing Green and Just Energy Transition (Case Study: Semarang City, Indonesia)

**Speaker**

Mrs Mega Anggraeni

11:30 - 11:40 AM

#### Positive Energy Districts (PEDs) as a Climate-Resilient Solution for Social Housing

**Speaker**

Dr Paulo Silva

11:40 - 11:50 AM

#### Seeking a possible Positive Energy Districts (PEDs) location choice from a local context, a case study in Tainan City, Taiwan

**Speaker**

Ms YI HSUAN SHEN

12:30 PM

4:30 PM

### T\_05 ENVIRONMENT AND CLIMATE (B): Water Systems and Management

**Session** | **Location:** YTU Davutpasa Campus, A0-14 | **Convener:** Ethemcan Turhan

4:30 - 4:40 PM

#### DESIGNING [FROM] THE SEA Challenges, methodologies and scenarios for planning with water

**Speaker**

Mr Paolo De Martino

4:40 - 4:50 PM

#### Urban Water in Nationally Determined Contributions (NDCs): A Global Analysis

**Speaker**

Dr Nicola Tollin

4:50 - 5:00 PM

**Framework for prioritising water body restoration: a context of Indian populated cities with climate challenges**

**Speaker**

Ms Chandrani Chakrabarti

5:00 - 5:10 PM

**Depoliticizing Urban Water Management: Governance, Justice, and the Sponge City Initiative in China**

**Speaker**

Ms Xiaowen Zhan

5:10 - 5:20 PM

**Waterfront Transformations in Danish Port Cities: Urban Regeneration and Climate Adaptation**

**Speakers**

Prof. Alberto Innocenti, Mr Martin Valinger

5:20 - 5:30 PM

**Navigating estuaries in a changing climate through collaboration? Insights from a comparative study of the Scheldt and the Elbe**

**Speaker**

Ms Eva Schick

6:00 PM

## Thu, July 10

9:00 AM

### T\_05 ENVIRONMENT AND CLIMATE (B): Green and Blue Infrastructure and Nature-based Solutions for Climate Action

Session | Location: YTU Davutpasa Campus, A0-14 | Convener: Francesco Musco

9:00 – 9:10 AM

#### Identification of hotspots in a regional green infrastructure: A comparative analysis of the regional contexts of Campania and Sardinia, Italy

##### Speakers

Bilge Kobak, Francesca Leccis

9:10 – 9:20 AM

#### From pilot to paradigm: A call for entrepreneurial planning to scale-up the implementation of nature-based solutions

##### Speaker

Tara Op de Beeck

9:20 – 9:30 AM

#### Transforming Spaces: Rethinking Urban Parking Lots for a Sustainable Future

##### Speakers

Dr Nina Svanda, Ms Nikola Pohl, Dr Boris Salak

9:30 – 9:40 AM

#### Green inequalities and Public space deprivation: emerging patterns and new forms of polarization in the case study of Palermo.

##### Speakers

Dr Marco Ingrassia, Prof. Ignazio Vinci, Prof. Francesco Lo Piccolo

9:40 – 9:50 AM

#### Exploring Two Interpretative Models of Eco-Cities in The United Arab Emirates: Masdar City and The Sustainable City Dubai

##### Speaker

Mr Marco CARLOTTI

9:50 – 10:00 AM

#### Blending Nature with Technology: Integrating RES with NBS or carbon neutral cities

##### Speaker

Prof. Dionysis Latinopoulos

10:30 AM

11:00 AM

### T\_05 ENVIRONMENT AND CLIMATE (B): Biodiversity Preservation and Climate Action

Session | Location: YTU Davutpasa Campus, A0-14 | Convener: Yucel Severcan

11:00 – 11:10 AM

#### Urban Form Shapes Bird Community: Insights from the green capital of Europe 2024

##### Speaker

Ms Cristina del Pilar Buenaño Mariño

11:10 - 11:20 AM

**Exploring the link between biodiversity, health, and climate action through the URBioPark project**

**Speaker**

Michelangelo Fusi

11:20 - 11:30 AM

**Trade-offs in Rural Italy: Analyzing the Unbalanced Integration Between Agriculture, Biodiversity, and Solar Energy**

**Speaker**

Ms Maria Aldera

11:30 - 11:40 AM

**What if the Butterfly effect was real? Assessing the contribution of greening plans to urban biodiversity in Italy**

**Speaker**

Dr Luca Lazzarini

11:40 - 11:50 AM

**Life BEEadapt project: climate risk assessment for pollinators. An ecosystem services and collaborative governance approach**

**Speaker**

Dr Stefano Magaudda

11:50 AM - 12:00 PM

**Urbanization, Biodiversity, and Ecosystem Services in Norway: Challenges and Strategies for Sustainable Land Use.**

**Speaker**

Prof. Anna Kaczorowska

12:30 PM

## Fri, July 11

9:00 AM

### T\_05 ENVIRONMENT AND CLIMATE (B): Planning and Design for Climate Change Mitigation

Session | Location: YTU Davutpasa Campus, A0-14 | Convener: Yucel Severcan

9:00 - 9:10 AM

#### A Model for Energy Transition Towards the 2050 Climate Neutrality Goal: Positive Energy Districts (PED)

Speaker

Dilan Cengiz

9:10 - 9:20 AM

#### Energy saving and transition in Europe: what's the mood? A comparison of governance models

Speaker

Dr Francesca Bragaglia

9:20 - 9:30 AM

#### Carbon Neutrality and Spatial Equity in Urban Planning: Assessing Plan Quality in South Korea

Speaker

Dr Saewoom Jang

9:30 - 9:40 AM

#### Inspiration for Pathways towards Multi-Scale Green Urban Regeneration and Planning Construction under Dual Carbon Goals

Speaker

Ms Yufei Quan

9:40 - 9:50 AM

#### Towards Transformative Planning Frameworks and Urban visions for Climate Resilience: A comparative study on convergencies and conflicts at redevelopment sites in Valencia, Milano and Berlin

Speakers

Prof. Jan Polivka, Ms Alena Cohrs, Prof. Juan Jose Galan Vivas, Prof. Carolina Pacchi

9:50 - 10:00 AM

#### The Legacy of Experience: Reflections on Climate Transition Strategies in Medium-Sized Italian Cities

Speakers

Gregorio Pezzoli, Marco Tononi

10:30 AM

11:00 AM

### T\_05 ENVIRONMENT AND CLIMATE (B): Urban Regeneration for Climate Change Mitigation and Adaptation

Session | Location: YTU Davutpasa Campus, A0-14 | Convener: Aysin Dedekorkut-Howes

11:00 - 11:10 AM

#### Investigating the impact of Urban Form Elements on carbon emissions at Different Development Stages: Based on GWR and Random Forest Models

**Speaker**

Ms Yihuan Wang

11:10 - 11:20 AM

**Exploring Low-Carbon Urban Development at the Plot Scale: A Study of Carbon Emission Mechanisms and Empirical Exploration of Micro-Renovation for Emission Reduction**

**Speaker**

Ms Shumin Wang

11:20 - 11:30 AM

**Exploring the Carbon Emission Impact of Community Life Circle Shared Clusters: A Case Study of Nanjing, China**

**Speaker**

Ms Qingxin YANG

11:30 - 11:40 AM

**Preserving the past or protecting the future? Harmonizing Cultural Heritage and Climate Adaptation in Siena**

**Speaker**

Ms Maria Pizzorni

11:40 - 11:50 AM

**Hydraulic Heritage and Community Identity: Examining Socio-Ecological Resilience and Heritage Transformation in Huaibei Area, China**

**Speaker**

Mr Zimeng Kong

12:30 PM