TRACK: Shocks, Shifts, and Solutions:
Tackling the Climate–Conflict–Community Nexus

International Conference on Resilient Systems

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INTRODUCTION TO THE TRACK

Climate change, conflict, and displacement are not isolated challenges; they are deeply interconnected, affecting vulnerable populations, local economies, and broader systems of resilience. Climate-induced migration and forced displacement disrupt communities, while also posing significant challenges to essential infrastructure, service continuity, and economic sustainability.

This track explores how adaptive systems can create synergies between disaster and humanitarian response, community resilience, and economic sustainability by addressing shared vulnerabilities and leveraging innovative solutions. The resilience of the built environment, including shelters, sustainable cities, and critical infrastructures must serve both displaced communities and local businesses to ensure stability, social cohesion, and long-term development.

We propose an intersectoral and systems-thinking approach, integrating climate risk awareness, smart technologies, and sustainable infrastructure planning to enhance resilience across humanitarian, business, and policy frameworks. By fostering cross-disciplinary dialogue among climate scientists, policymakers, engineers, urban planners, community and humanitarian leaders, and business stakeholders, this track aims to develop holistic solutions that build resilience for both vulnerable populations and the broader socio-economic systems in conflict or climate-affected regions.

TRACK TOPICS

Climate Risk Awareness & Early Warning Systems for Adaptation

- Climate risk education and adaptation for displacement-affected communities
- Forecasting and mitigation strategies for climate-induced migration

Supply Chain & Infrastructure Resilience

- Climate-proofing supply chains for food, water, and essential services

- Resilient infrastructure for shelters and refugee-hosting cities

- Technology-driven solutions to sustainability challenges in the built environment

Conflict, Migration, and Intersectoral System Approaches

Role of science, technology, and research in climate-conflict disaster and humanitarian response

- Interdisciplinary strategies for climate-resilient migration and local development

- Sustainable shelter and location planning for displaced communities

- Governance and policy frameworks for adaptive community and economic resilience

Smart Technologies & Resilient 'Response Cities'

- AI, IoT, and data analytics for refugee response and urban resilience

- Smart infrastructure for camps, transitional sites, and sustainable urban systems

- Renewable energy and circular economy models for displaced and host populations

- Nature-based and digital solutions for climate-resilient urban adaptation

TYPE OF CONTRIBUTIONS:

Call for Extended Abstracts (1.000 words) - see website for the template.

Including the possibility of submitting a Case Study - in this same template

TRACK CHAIR AND CO-CHAIR

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