

iCARE -

International Climate Resilience Conference

26-29 October 2025

Munich, Germany

Catholic Academy in Bavaria (Kardinal Wendel Haus)

Mandlstrasse 23, 80802 Munich



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**Resilience rises
through investigating
achievements, progress, and potential,
and by sharing
new knowledge, best practices, and effective policies.**



Scientific Committee

- Liang Emlyn Yang, LMU Munich, Germany
- Matthias Garschagen, LMU Munich, Germany
- Haifeng Jia, Tsinghua University, China
- Ralf Ludwig, LMU Munich, Germany
- Tina Comes, TU Delft, Netherlands
- Manel Grifoll, Universitat Politècnica de Catalunya, Spain
- Vincenzo Bollettino, Harvard University, USA
- Petra Tschakert, National University of Singapore, Singapore
- Stephan Pauleit, Technical University of Munich, Germany
- Reinhard Mechler, IIASA, Austria
- Xinyue Ye, Texas A&M University, USA
- Rongkun Liu, ICIMOD, Nepal
- Stefan Hochrainer-Stigler, IIASA, Austria
- Christian Kuhlicke, Helmholtz Centre for Environmental Research (UFZ), Germany
- Gwen Robbins Schug, University of North Carolina, USA
- Olabisi S. Obaitor, LMU Munich, Germany
- Lei Shen, Chinese Academy of Sciences, Beijing, China
- Wenhan Feng, LMU Munich, Germany

Conference Organizers:

- Liang Emlyn Yang, LMU Munich, Germany
- Matthias Garschagen, LMU Munich, Germany
- Haifeng Jia, Tsinghua University, China

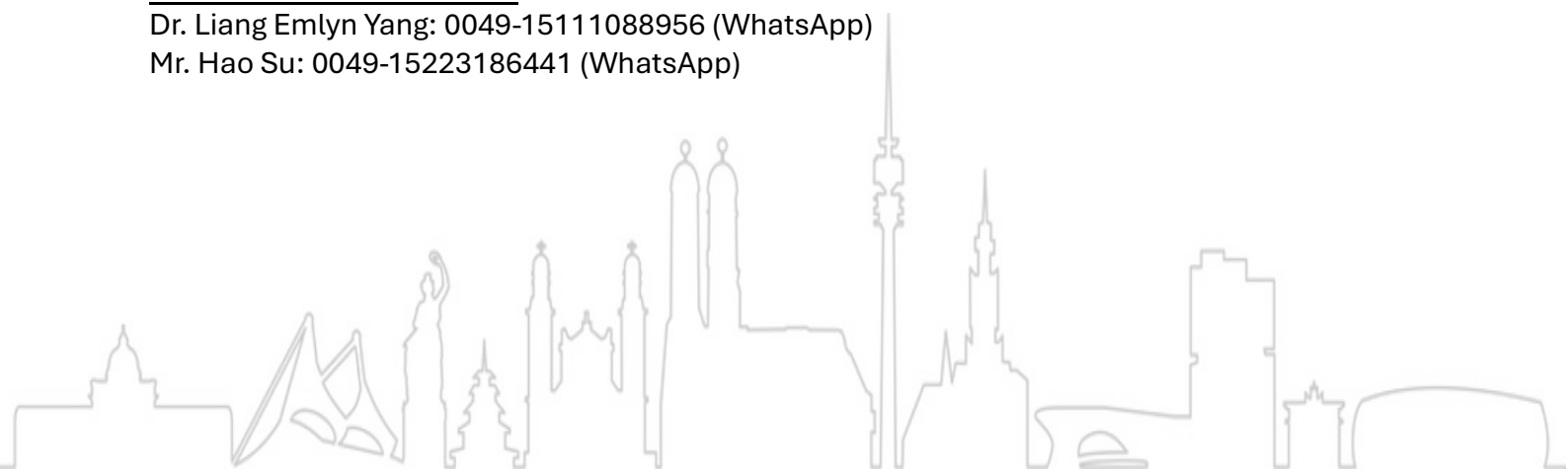
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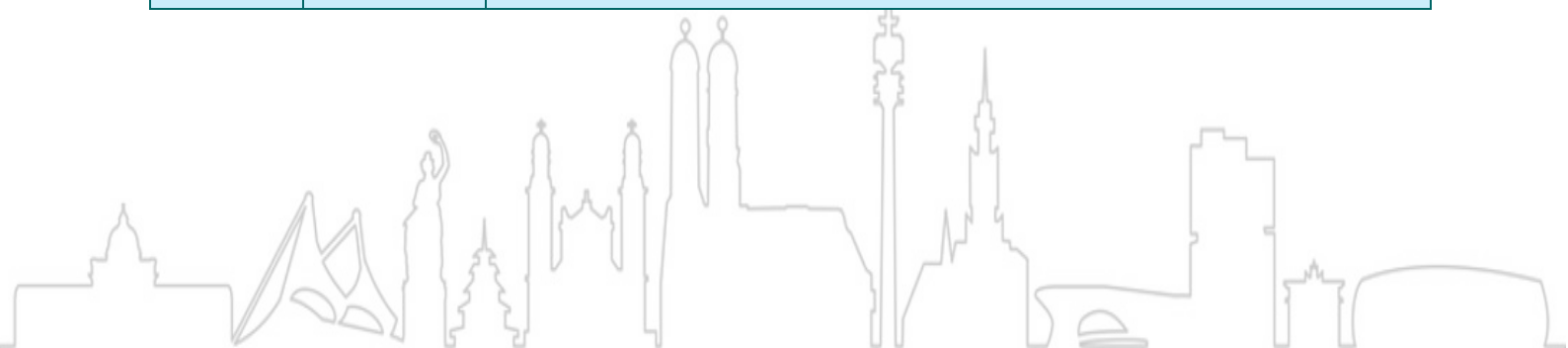
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General conference program

Meeting room		Vortragssaal	Konferenzraum	VEH OG	VEH EG
Date & time					
Sunday, 26 Oct.	13:00-19:00	Registration at Kardinal Wendel Haus (also named as Catholic Academy in Bavaria): Mandlstrasse 23, 80802 Munich			
Monday, 27 Oct.	8:00-09:00	Registration at the conference venue: Mandlstrasse 23, 80802 Munich			
	9:00-11:00	Opening, and keynote talks by Prof. Mark Pelling and Dr. Shankar Chandrakant Deshpande			
	11:00-11:30	Group photo / Coffee break / Poster Session			
	11:30-13:00	S2 Infrastructure	S4 Health	S14 Ecosystem	S5 Governance
	13:00-14:00	Lunch break / Poster session			
	14:00-15:30	S2 Infrastructure	S3 Coast	S10 Theory	S11 Community
	15:30-16:00	Coffee break / Poster Session			
	16:00-18:00	S2 Infrastructure	S3 Coast	S10 Theory	S11 Community
	18:30-21:30	Keynote talk by Prof. Margreth Keiler, and reception dinner			
Tuesday, 28 Oct.	8:30-10:00	S1 Water	S6 Urban	S7 Hazard	S11 Community
	10:00-10:30	Coffee break / Poster Session			
	10:30-12:00	S1 Water	S6 Urban	S7 Hazard	S11 Community
	12:00-13:30	Lunch break / Poster Session			
	13:30-15:00	S1 Water	S6 Urban	S8 GeoAI	S16 Youth
	15:00-15:30	Coffee break / Poster Session			
	15:30-17:30	S1 Water	S6 Urban	S12 Past	S16 Youth
Wednesday, 29 Oct.	8:30-10:00	S17 Interdisciplinary	S13 Modeling	S9 Mountain	S15 Resource
	10:00-10:30	Coffee break / Poster Session			
	10:30-12:00	S17 Interdisciplinary	S13 Modeling	S9 Mountain	S15 Resource
	12:00-13:30	Lunch break / Poster Session			
	13:30-15:30	Keynote talk by Prof. Tina Comes; Closing plenary session (Awards, remarks, wrap up, etc.)			



Sunday, 26 October 2025

Sunday, 26 October 2025

Room: Vortragssaal (Lecture Hall)

Time	Event	Moderator
13:00-19:00	Pre-Registration at Kardinal Wendel Haus (also named as Catholic Academy in Bavaria) Address: Mandlstrasse 23, 80802 Munich	Liang Emlyn Yang Anqi Zhu Thanh Quoc Ho Siyong Chen Mei Ai

Monday, 27 October 2025

Monday, 27 October 2025

Room: Vortragssaal (Lecture Hall)

Time	Event	Moderator
8:00-9:00	On-site registration at Kardinal Wendel Haus (also named as Catholic Academy in Bavaria) Address: Mandlstrasse 23, 80802 Munich	Liang Emlyn Yang
9:00-9:30	Welcoming and Opening Remarks <ul style="list-style-type: none"> Francesca Biagini, Vice President of LMU Munich, and Professor in Applied Mathematics at LMU Munich Haifeng Jia, Professor in Water System Management at Tsinghua University, Beijing Matthias Garschagen, Professor in Human Geography at LMU Munich Organizational & Housekeeping Messages	Liang Emlyn Yang
9:30-10:15	[Keynote] Tomorrow's Cities: From normative visions to resilience enabling environments <ul style="list-style-type: none"> Prof. Mark Pelling, Institute for Risk & Disaster Reduction, University College London, UK 	Matthias Garschagen
10:15-11:00	[Keynote] Urbanisation and Climate Resilience – Learnings from the Mithi River Development Project, Mumbai <ul style="list-style-type: none"> Dr. Shankar Chandrakant Deshpande, Chief of Town & Country Planning Division, MMRDA, Mumbai; Project Director & Member Secretary, MRDPA, Mumbai 	Matthias Garschagen
11:00-11:30	Group photo / Coffee break / Poster Session	Liang Emlyn Yang
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18:30-19:15	[Keynote] Building resilience in mountain regions – integrating hazard knowledge and risk governance <ul style="list-style-type: none"> Prof. Margreth Keiler, Institute of Geography, University of Innsbruck, Austria; Institute for Interdisciplinary Mountain Research, Austrian Academy of Sciences 	Haifeng Jia
19:15-21:30	Reception Dinner, at the conference venue	

Monday, 27 October 2025

Room: Vortragssaal (Lecture Hall)

Time / Moderator	Session 2 Climate Resilience of Critical Infrastructure
11:30-13:00 Moderated by: Tina Comes, Jasper Verschuur Srijith Balakrishnan, Maria Pregolato	Where to start? A methodology for integrating systemic risk analysis in municipality's resilience planning • <i>Prof. Josune Hernantes, Tecnun, University of Navarra</i>
	Flooding - Prevention and resilience through structural property protection • <i>Prof. Norbert Gebbeken, Universität der Bundeswehr München, Germany</i>
	Modelling CI adaptation in a multi-hazard context • <i>Mr. Edgar Daniel Peregrina Gonzalez, Deltares, IVM VU Amsterdam</i>
	Posters (each 1-2 min.): – [P01] Decoding Public Narratives Around Extreme Weather Events - <i>Mr. Anmol Soni, Maastricht University</i> – [P02] Modeling Interdependent Urban Flooding in Urban Drainage and Road Networks: A Coupled System Resilience Framework - <i>Ms. Shi Xiaoyu, Tsinghua University</i>
13:00-14:00	Lunch break / Poster session
14:00-15:30 Moderated by: Tina Comes, Jasper Verschuur Srijith Balakrishnan, Maria Pregolato	Impact of extreme compound weather conditions on mass participating events: A case study of the Great North Run (GNR) in 2023 • <i>Dr. Kristina Wolf, Newcastle University</i>
	High-frequency survey data reveal complex impact pathways of climate-related disasters on household welfare: A comparative analysis • <i>Ms. Shreya Deep Bansod, Delft University of Technology</i>
	Evaluating power grid resilience to extreme weather events: a power flow model-based case study in Vietnam • <i>Ms. Mengqi Ye, Institute for Environmental Studies, Vrije Universiteit Amsterdam</i>
	Assessing the cascading economic impacts of critical infrastructure failures on supply-chains: a case study of Cambodia floods • <i>Ms. Elisa Nobile, University School for Advanced Studies - IUSS Pavia, Italy; International Institute for Applied Systems Analysis (IIASA), Austria</i>
15:30-16:00	Coffee break / Poster session
16:00-18:00 Moderated by: Tina Comes, Jasper Verschuur Srijith Balakrishnan, Maria Pregolato	A systemic approach to climate risks for providers of basic public services in the Bavarian Main catchment • <i>Gunnar Braun, Verband kommunaler Unternehmen e. V.</i>
	Multidimensional Inland Flooding • <i>Prof. Jason Wong, Babson College and London School of Economics</i>
	Resilient and sustainable infrastructure planning in refugee and internally displaced people (IDP) settlements • <i>Mr. Josue Godwe Gnowa, Delft University of Technology</i>
	Mitigating Cold Wave-Induced Risks in Power Systems: The Role of Biomass Gasification in Zero-Carbon Energy Communities • <i>Mr. Xinyao Lan, Lund University (didn't appear)</i>
	Coastal flooding adaptation pathways across multiple objectives and climate scenarios in Surrey, Canada • <i>Mr. Mauricio Carvalho Aceves, University of British Columbia</i>



Monday, 27 October 2025 Room: Konferenzraum (Conference Room)

Time / Moderator	Session 4 Strengthening Resilience in Healthcare Systems
11:30-13:00 Moderated by: Vincenzo Bollettino, Elena Weinert, Chao Ren, Kristie L. Ebi	Building Resilient Healthcare Systems: Insights from Location-Based Cellphone Data on Healthcare Facility Disruptions During Climate Disasters • Prof. Heng Cai, Texas A&M University
	Public Health Risk Perception, Healthcare Access, and Confidence in Emergency Preparedness: An Analysis of Urban–Rural Disparities in Africa • Dr. Lois Addo Agyepong, Shandong University
	Understanding of Heat-Health Impact in Subtropical High-density Cities: An Experience from Hong Kong • Prof. Chao Ren, Faculty of Architecture, The University of Hong Kong
	Geospatial and Mobility Insights into Disaster-disrupted Healthcare Access • Prof. Shangjia Dong, University of Delaware
	From Anxiety to Action: Eco-Anxiety as a Driver of Disaster Preparedness and Adaptation in the Philippines • Vincenzo Bollettino, Harvard University, USA
13:00-14:00	Lunch break / Poster session
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Time / Moderator	Session 3 Innovative Strategies for Climate-Resilient Coastal Development
14:00-15:30 Moderated by: Manel Grifoll, Pierpaolo Campostrini, Maria Ionescu, Joanna Staneva, Julia Martínez	Simulating coastal hydrodynamics and erosion risk: the role of seagrass in climate adaptation • Ms Luciana Villa Castrillon, Helmholtz-Zentrum Hereon
	Temperate coastal forests: contributions to climate-resilient coastal societies • Dr Leslie Mabon, The Open University, UK
	Simulations to enhance microtidal bay resilience through flushing. An NbS for the Mediterranean • Prof. Manuel Espino, Universitat Politècnica de Catalunya - BarcelonaTech (LIM/UPC) (presented by Manel Grifoll)
	Recurring cyclonic disturbances asymmetrically affect the landscape characteristics of settlement-fringe mangroves: Evidences from Indian Sundarbans • Dr. Debajit Datta, Department of Geography, Jadavpur University, Kolkata-700032, India
	Posters (each 1-2 min.): – [P03] Developing the agro-ecological practices for a sustainable and climate-resilient food systems in Aceh, Indonesia - Mrs. Mirna Asnur, The Environmental Knowledge Development Institute of Aceh (BENTALA Aceh Institute), Indonesia (cancelled on 26.Oct, due to COVID)
15:30-16:00	Coffee break / Poster session
16:00-18:00 Moderated by: Manel Grifoll, Pierpaolo Campostrini, Maria Ionescu, Joanna Staneva, Julia Martínez	Enhancing Coastal Resilience in the Vietnamese Mekong Delta: Integrating Hydrological Modeling and Community Adaptation Strategies • Dr. Ly Trung Nguyen, College of Environment and Natural Resources, Can Tho University, Vietnam
	Restoration and monitoring of artificial saltmarshes in the Venice Lagoon: early insights and scalable approaches within the REST-COAST Project • Francesca Coccon, CORILA - Consortium for coordination of research activities concerning the Venice lagoon system, ITALY
	From rational planning to emotional responses: Public perceptions of managed realignment as a climate adaptation strategy • Mr. Vincent Bax, HZ University of Applied Sciences
	Enhancing Climate Resilience in Macro-Tidal Coastal Environments through Drone-Based Monitoring: A Case Study of Dasa Beach, Korea • Dr. TAERIM KIM, Kunsan National University
	Enhancing Coastal Flood Resilience in Soc Trang, Vietnam: Hydrodynamic Modeling of Nature-Based Solutions (NBS) for Risk Reduction • Mr. Hao Su, Department of Geography, LMU Munich
	Twenty Years After Katrina: Ten Fundamental Flood Resilience Lessons We Must Finish Learning • Robert Jacobsen, PE, Reat Flood Resilience, L3C

Monday, 27 October 2025

Room: VEH OG (Viereckhof first floor)

Time / Moderator	Session 14 Intersectionality of Socioecological Resilience and Global Biodiversity Targets
11:30-13:00 Moderated by: Dandan Yu, Ylenia Casali, Henrique M Pereira, Laura Pereira	Adaptive Resilience of Avian Communities in Highly Urbanized Island Regions: Empirical Analysis of Long-term Response Patterns in Taiwan • <i>Ms. Qie Shi, College of Agriculture and Biotechnology, Zhejiang University, Hangzhou, China</i>
	Ecosystem Services as pillars of a sustainable future: A KPI-driven framework connecting urban biodiversity to socio-ecological resilience (Presentation in recorded video) • <i>Dr. Souporni Paul, School of Architecture, GITAM (Deemed to be University), Hyderabad, India.</i>
	Toward accessible, integrated, and practical resilience measurement systems for agricultural systems • <i>Ms. Hannah Friedrich, International Centre for Tropical Agriculture</i>
	Leveraging a Water-Energy-Food-Ecosystems (WEFE) Nexus approach to facilitate climate-smart agroforestry systems to enhance water security and climate resilience in Africa • <i>Mr. Kwadwo Yeboah Asamoah, Technical University of Munich (TUM)</i>
	The Socioecological Resilience–Biodiversity Conservation Nexus: Conceptual Frameworks and Exemplary Practices • <i>Prof. Dandan Yu, German Centre for Integrative Biodiversity Research (iDiv), Germany; and Nanjing Institute of Environmental Sciences (NIES) of the Ministry of Ecology and Environment, China</i>
13:00-14:00	Lunch break / Poster session
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Time / Moderator	Session 10 Theoretical development of climate resilience
14:00-15:30 Moderated by: Stefan Hochrainer-Stigler, Igor Linkov, Juan Rocha	From Hazard to Systemic Potential: A Theoretical Framework for Climate-Resilient Flood Risk Assessment in Internal Deltas: Study Case La Mojana in Colombia • <i>Prof. Humberto Tavera Quiroz, Universidad de Córdoba (didn't appear)</i>
	The Trilemma of Climate Adaptation: An Application for Designing Managed Retreats • <i>Prof. Ilan Noy, Victoria University of Wellington, New Zealand & Gran Sasso Science Institute, Italy</i>
	An impact pathway framework to measuring climate resilience • <i>Ms. Andreea Cristina Nowak, Bioversity International (CGIAR) and Wageningen University</i>
	Managing Complexity to Enhance Resilience against Disaster and Climate Risks • <i>Dr. Stefan Hochrainer-Stigler, IIASA - International Institute for Applied Systems Analysis</i>
	Posters (each 1-2 min.): – [P04] Reframing Climate Resilience in the Global South: Towards a Participatory Framework for Conceptualising and Measuring Resilience in Malawi - <i>Dr Desire Mpanje, University College Dublin</i> – [P05] Limitations of early warning signals: evaluating resilience loss detection methods for climate-induced forest mortality events - <i>Ms Nielja Knecht, Stockholm Resilience Centre; Bolin Centre for Climate Research</i> – [P06] Braids Are Stronger Than Twists: Strengthening Adaptive Resilience in First Nations Communities Through the Braiding of Knowledge Systems - <i>Ms. Mandie Yantha, University of British Columbia</i>
15:30-16:00	Coffee break / Poster session
16:00-18:00 Moderated by: Stefan Hochrainer-Stigler, Igor Linkov, Juan Rocha	The water-energy-food nexus between infrastructure, land use and climate resilience • <i>Prof. Jürgen Scheffran, Institute of Geography, University of Hamburg</i>
	Resilience: State of Science and Practice in the Context of Extreme Events • <i>Dr. Igor Linkov, University of Florida, USA</i>
	An unsquarable circle? Resilience and Sustainable Development with reference to English coastal policy • <i>Dr. Chris Blunkell, Canterbury Christ Church University</i>
	Integrating welfare functions into climates adaptation: a theoretical framework for resilience planning • <i>Mr. Lorenzo Mucciarelli, Eurac Research - Center for Climate Change and Transformation - CCT</i>
	Systemic resilience to High-Impact Low-Probability events: a network-based approach for the Metropolitan City of Venice • <i>Dr. Davide Mauro Ferrario, Institute for Climate Resilience (ICR), Venezia, Italy; Department of Environmental Sciences, Informatics and Statistics, Ca' Foscari University of Venice, Venice, Italy</i>
	Operationalizing Maladaptation: A Conceptual and Analytical Framework for Advancing Resilience Theory in Climate Adaptation • <i>MSc. Oscar Higuera Roa, International Institute for Applied Systems Analysis (IIASA)</i>

Monday, 27 October 2025

Room: VEH EG (Viereckhof ground floor)

Time / Moderator	Session 5 From resilience governmentality to resilience-in-the-making
11:30-13:00	Normative pathways for resilience-in-the-making to counter vanishing continuity in rural places • Prof. Petra Tschakert, National University of Singapore, Department of Geography (Online)
Moderated by: Petra Tschakert, Markus Keck, Julia Teebken	Planned relocation in the Eastern Caribbean as a strategy for climate resilience? How vulnerabilisation leads to disposability • Prof. Dr. Angela Oels, Centre for Climate Resilience, University of Augsburg, Germany
Online participation Zoom ID: 935 6200 3478	Reframing Regional Solidarity: The AHA Centre and ASEAN's Humanitarian Diplomacy as Resilience-in-the-Making • Mr. Fajar Shidiq, AHA Centre (Online)
	Posters (each 1-2 min.): – [P07] Understanding Flood Adaptation Practices in Rural China through the Social Practices Approach – Ms. Anqi Zhu, Ludwig-Maximilians-Universität München – [P08] Aligning Nature-based Solutions with Urban Justice and Climate Resilience: Insights from Policy and Practice in Bonn - Nina Senge, University of Bonn / German Committee for Disaster Reduction (DKKV) (cancelled on 27.Oct, due to illness tonsillitis)
13:00-14:00	Lunch break / Poster session
... ..	
Time / Moderator	Session 11 Climate change, community resilience and the (un)inhabitability of places
14:00-15:30	Climate captivity: When in-situ adaptation and moving-out are no longer options • Prof. Samuel Rufat, Ecole Polytechnique, Institut Polytechnique de Paris, France
Moderated by: Christian Kuhlicke, Sungju Han, Samuel Rufat	Enhancing Community Resilience Through Climate Information Services: Evidence from Coastal Farming Communities in Bangladesh • Mr. Mohammad Newaz Sharif, University of Central Florida (didn't appear)
	The power of the ancestral philosophy of Alli kawsay (Buen Vivir) in the indigenous movements of Colombia – Ecuador (didn't appear) • Vanessa Arteaga Bernal, Independents researchers in indigenous communities Ecuador-Colombia
	Integrating Disaster Preparedness and Social Empowerment: Cyclone Shelter Innovations for Climate-Resilient Refugee Settlements (didn't appear) • Tahmina Khanom, Department of Architecture, Texas A&M University, College Station
	Posters (each 1-2 min.): – [P09] Building Resilient Futures: Climate Adaptation Strategies in Southeast Asia's Informal Settlements - Dr. Andrea Reimuth, Technical University Munich, Germany – [P10] Environmental Justice Considerations in Planned Relocations: A Comparative Analysis - Ms. Chloé ten Brink, University College Dublin – [P11] Local adaptation readiness for resilient mountain communities - Dr. Annemarie Polderman, Institute for Interdisciplinary Mountain Research, Austrian Academy of Sciences – [P12] A Resilience Nexus between Climate, Food, and Health: Community-Engaged Research to Improve Prickly Pear Cactus Production and Consumption - Dr. Robert Strong, Texas A&M University
15:30-16:00	Coffee break / Poster session
16:00-18:00	The myth of 'community': bogus concepts and distracted knowledge when dealing with climate change • Prof Terry Cannon, Institute of Development Studies, UK
Moderated by: Christian Kuhlicke, Sungju Han, Samuel Rufat	Resilience On-Site Upgrading: Community-Based Climate Resilience Building in Informal Settlements, Metro Manila • Dr.-Ing. Juan Du, Department of Spatial Planning, TU Dortmund
	Examining Spaces, Identities, and the Role of the State in Defining Climate Resilience and Adaptation Strategies on the Kerala Coast • Dr Aravindh Panikkaveetil, Christ University, Bangalore, India
	Enhancing Disaster Health Resilience Among Refugee Populations: A Community-Centered Approach • Dr. Ming Xie, University of Maryland Baltimore County (didn't appear)
	Understanding Farmers' Risk Resilience to Drought and Heatwaves in the Arid Region of Rajasthan: Impacts, Adaptation, and Mitigation Measures • Prof. Milap Punia, Jawaharlal Nehru University, New Delhi, India
	Indigenous Knowledge Systems and Community-Led Innovations: Climate Resilience Practices in Sub-Saharan Africa • Dr Tokunbo Alaga Olorundami, York St John University

Tuesday, 28 October 2025

Tuesday, 28 October 2025 Room: VEH EG (Viereckhof ground floor)

Time / Moderator	Session 11 Climate change, community resilience and the (un)inhabitability of places
08:30-10:00 Moderated by: Christian Kuhlicke, Sungju Han, Samuel Rufat	Climate related destabilization of the World's high mountains poses major challenges to habitability and adaptation strategies for mountain communities • <i>Prof. Christian Huggel, Department of Geography, University of Zurich</i>
	Pathways of mobility in times of climate change and war: Exploring the "Lived Experiences" of displaces in Gaza • <i>Dr. Zeina Moneer, Nordic Africa Institute</i> (didn't appear)
	TURKANA: A TERRITORY ON THE MOVE. NAVIGATING UNCERTAINTIES AND IMBALANCES IN KENYA'S NORTHWESTERN FRONTIER • <i>Dr. Gabriele Casano, University of Genoa, Department of Political and International Sciences</i>
	The Effect of Community Resilience and Disaster Risk Management Cycle Stages on Morbi-Mortality Following Floods: An Empirical Assessment • <i>Dr. Raquel Guimaraes, International Institute for Applied Systems Analysis</i>
	10:00-10:30 Coffee break / Poster session
10:30-12:00 Moderated by: Christian Kuhlicke, Sungju Han, Samuel Rufat	A Conceptual Framework for Advancing Community Resilience to Climate Disasters: Insights from Coastal Case Studies • <i>Prof. Wanyun Shao, University of Alabama</i>
	Deriving displacement risk for projection purposes • <i>Domenico Bovenzo, Euro Mediterranean Centre for Climate Change</i> (didn't appear)
	Living with Risk: Gendered and Intersectional Dimensions of Climate Resilience in Urban Informal Settlements in Jaipur, India • <i>Ms Tripti Singh, University of Warwick, UK</i>
	12:00-13:30 Lunch break / Poster session
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Time / Moderator	Session 16 Young Scholars Symposium on Climate Resilience Research
13:30-15:00 Moderated by: Wenhan Feng, Anqi Zhu, Phuoc Thanh Ho, Xunhuan Li	Dynamic flood evacuation modelling for coastal cities: A case study of Shanghai • <i>Dr. Yuhan Yang, Nanjing University of Information Science and Technology</i>
	Understanding High-Impact Low-Probability (HILP) Events Through Machine Learning: Insights from the EU-H2020-AGILE Project • <i>Dr. Arka Bhattacharyya, TU Delft</i>
	Defining Resilience on the Frontlines of the Climate Crisis: a case study in Dominica • <i>Joshua Nicholas, University of Cambridge</i>
	Climate justice and economic flood damage in the Anthropocene • <i>Eudarc Jeremy, German Aerospace Center (DLR)</i>
	Towards Physics-consistent Machine Learning for Flood Forecasting and Resilience Analysis • <i>Qingsong Xu, Data Science in Earth Observation, Technical University of Munich</i>
	A Social Capital Perspective on Coastal Adaptation Strategies in Northern Java • <i>Gumilang Cahyaning Dityo, Universitas Gadjah Mada, Indonesia</i> (didn't appear)
	Posters (each 1-2 min.): – [P13] Assessing regional drought resilience crossing sectoral and federal borders - <i>Maren Jabs, University of Twente</i> – [P14] Assessing the Effectiveness of Protect, Accommodate, and Retreat, Strategies in Flood Mitigation: A Geospatial and Budgetary Analysis of Central Java - <i>Suriadi Suriadi, Universitas Gadjah Mada, Indonesia</i> – [P15] Cultivating Resilience: Socio-Ecological Transformations in Low-Carbon Tea Gardens of Pu'er, Yunnan, China - <i>Yanlin Zhao, Wageningen University & Research</i> (didn't appear) – [P16] Spatiotemporal expansion and driving dynamics of urban flooding sites in central Kunming city based on GTWR model and media data - <i>Ziyao Wang, School of Earth Sciences, Yunnan University</i> – [P17] Simulating community resilience to flood impacts in the Upper Mekong basin using an empirical agent-based model - <i>Wenhan Feng, Department of Geography, LMU Munich</i>

15:00-15:30	Coffee break / Poster session
15:30-17:30	<p>Resilience with Purpose: Values in Community Resilience Futures</p> <ul style="list-style-type: none"> • <i>Dr. Jung Hee Hyun, International Institute for Applied Systems Analysis (IIASA)</i> <p>Comprehensive Risk Management: Breaking Barriers, Building Bridges</p> <ul style="list-style-type: none"> • <i>Lukas Johann Edbauer, UNDRR Bonn Office</i> <p>Moderated by: Anissa Vogel, Wenkai Bao, Wenhan Feng</p> <p>Navigating multi-actor perspectives on roles and responsibilities for urban adaptation: insights from flood risk management in Mumbai</p> <ul style="list-style-type: none"> • <i>Dr. Deepal Doshi, LMU Munich, Germany</i> <p>Panel Kickoff (Dr. Jung Hee Hyun, Lukas Johann Edbauer, Dr. Deepal Doshi) Interactive Discussion Synthesis & Closing</p>

Tuesday, 28 October 2025 Room: Vortragssaal (Lecture Hall)

Time / Moderator	Session 1 Water system resilience under climate change
08:30-10:00	<p>Assessment and Optimization of Urban Flood Resilience by Integrating Green Grey-Blue Facility</p> <ul style="list-style-type: none"> • <i>Prof. Haifeng Jia, School of Environment, Tsinghua University, China</i> <p>The effects of climate change on the European Alpine headwaters: a systematic map</p> <ul style="list-style-type: none"> • <i>Mr Leon Bögel, University of Passau</i> <p>Adaptation tactics matter: insights from flood protection in the Netherlands</p> <ul style="list-style-type: none"> • <i>Dr. Jeroen Rijke, HAN University of Applied Sciences, Arnhem, The Netherlands</i> <p>Posters (1-2 min. each):</p> <ul style="list-style-type: none"> – [P18] Strengthening Water System Resilience in Albania: Adaptive Strategies for a Climate-Challenged Future - <i>Dr. Dritan Rustja, University of Shkoder "Luigj Gurakuqi" Albania</i> – [P19] Resilient Water Management Practices of the Bhil Tribe in Central India: Indigenous Knowledge for Climate Adaptation - <i>Nitesh Dagne, Faculty of Architecture & Ecistics, Jamia Millia Islamia, New Delhi, INDIA</i> (didn't appear) – [P20] Climate-Resilient Water Management in Coastal Bangladesh: Integrating Community-Based Adaptation and Nature-Based Solutions - <i>Mr. Md Humayain Kabir, University of Graz</i> (didn't appear) – [P21] Modeling and Governance Innovations for Climate-Smart Urban Water Systems in Germany - <i>Dr. Amrita Chaurasia, Christ (Deemed to be University)</i> – [P22] Transitions of water resource system resilience: a case study from Hexi inland river basins, Northwest China - <i>Ms. Zhihan Zheng, Beijing Normal University, China</i>
10:00-10:30	Coffee break / Poster session
10:30-12:00	<p>Building Climate-Resilient Water Management and Flood Risk Reduction in Lagos, Nigeria</p> <ul style="list-style-type: none"> • <i>Prof. Olusegun Adeaga, University of Lagos, Nigeria</i> <p>Transdisciplinary Development of Integrated Local Risk Scenarios for Pluvial Flood Risk Governance and Climate Adaptation</p> <ul style="list-style-type: none"> • <i>Dr. Anne von Streit, Department of Geography, University of Munich (LMU)</i> <p>Building Water Quality Resilience through Intergrated Watershed Management in a Changing Climate: Insights from the Chishui River Basin in China</p> <ul style="list-style-type: none"> • <i>Ms. Shijie MAO, School of Environment, Tsinghua University, China</i> <p>Water Governance Networks</p> <ul style="list-style-type: none"> • <i>Dr. Sebastian Franz, Universität Tübingen</i>
12:00-13:30	Lunch break / Poster session
13:30-15:00	<p>Building Climate Resilience through System Innovation: The ARSINOE Resilience Wheel in the Main River Basin</p> <ul style="list-style-type: none"> • <i>Dr. Andrea Böhnisch, Department of Geography, LMU Munich</i> <p>Impending Water crisis: Challenges in Adaptation in the Water Sector in India (didn't appear)</p> <ul style="list-style-type: none"> • <i>Dr. Shadananan Nair Krishnapillai, Centre for Earth Research and Environment Management</i> <p>Comparative Evaluation of Agricultural Flood Resilience Measures under Three Distinct Flood Regimes in the Vietnamese Mekong Delta</p> <ul style="list-style-type: none"> • <i>Mr. Thanh Phuoc Ho, Department of Geography, Ludwig-Maximilians-Universität München (LMU)</i> <p>How does carbon fixation respond to drought stress in the vegetation greening context of southern China? A comparative study from karst and non-karst areas</p>

Moderated by:
Ralf Ludwig,
Haifeng Jia,
Markus Disse,
Albert Chen

	<ul style="list-style-type: none"> • Dr. Niu Shuai, China University of Geosciences (Beijing) (didn't appear)
15:00-15:30	Coffee break / Poster session
15:30-17:30	<p>Assessing climate resilience in urban water and wastewater sectors: Application of the Water Sensitive Cities Index to Turkish cities</p> <ul style="list-style-type: none"> • Prof. Goksen Capar, Ankara University - Water Management Institute, Turkey <p>Projecting Future Flood Losses to Company Assets in Europe: The Role of Precautionary Measures</p> <ul style="list-style-type: none"> • Dr. Nivedita Sairam, GFZ Helmholtz-Zentrum für Geoforschung, Germany <p>Beyond Individual Barriers: A Systems Approach to Understanding and Addressing Nature-Based Solutions Implementation Challenges</p> <ul style="list-style-type: none"> • Dr. Sungju Han, Helmholtz Centre for Environmental Research – UFZ, Germany <p>A Cost-Benefit Analysis of Contour Ridges to Harvest Rainwater for Climate Adaptation in Jordanian Rangelands</p> <ul style="list-style-type: none"> • Ahmed Mohammed Shaqfa, Brandenburg University of Technology Cottbus-Senftenberg (BTU)
	<p>Moderated by: Ralf Ludwig, Haifeng Jia, Markus Disse, Albert Chen</p>

Tuesday, 28 October 2025 Room: Konferenzraum (Conference Room)

Time / Moderator	Session 6 Urban climate resilience - green infrastructure for nature-based strategies/actions
08:30-10:00	<p>From Stormwater to Socioeconomics: A Multidimensional Approach to Urban Resilience in Helsinki</p> <ul style="list-style-type: none"> • Dr. Ylenia Casali, Ludwig Maximilians Universität (LMU) <p>Multifunctional Stormwater Management: Effects of Global Change Factors on Native Plant Communities for Infiltration Swales</p> <ul style="list-style-type: none"> • Ms. Nadja K. Berger, Chair of Restoration Ecology, Technical University of Munich, Freising, Germany <p>Between Policy and Practice: Urban Agriculture's Multifunctional Role in Strengthening City's Resilience</p> <ul style="list-style-type: none"> • MSc. James Vandenberg, University of Vienna <p>How does the experience of a disaster influence the perception of nature-based solutions and the willingness to implement them? An empirical study in Leverkusen</p> <ul style="list-style-type: none"> • Ms Ines Martina Könsgen, Faculty of Spatial Development and Infrastructure Systems, University of Applied Sciences Cologne <p>Posters (1-2 min. each):</p> <ul style="list-style-type: none"> – [P23] Coping with heavy metal pollution in sustainable urban drainage systems - Mr. Max Thiele, Chair of restoration ecology, TU München – [P24] Making urban transformation happen: Carrier projects as a synergetic approach to developing urban green-blue infrastructure - Mr. Spyridon Nektarios Koulouris, TU Munich (TUM) (didn't appear) – [P25] Optimizing Forest Management around Urban Areas for improved Cooling and Air Exchange - Ms Linda Gruber, Faculty of Geography, Philipps- Universität Marburg (presented by Marco Diers) – [P26] Enhancing Urban Climate Resilience Through Green Infrastructure: A Long-Term Remote Sensing and Modeling Approach to PM10 Deposition - Azharul Islam, Technical University of Munich
10:00-10:30	Coffee break / Poster session
10:30-12:00	<p>Demonstrating the value of urban green space and its upscaling potential for climate-resilient cities</p> <ul style="list-style-type: none"> • Mr. Leon Scheiber, Climate Service Center Germany (GERICS), Helmholtz-Zentrum Hereon <p>Unpacking what is urban about urban Nature-based Solutions in African cities to equitably promote urban climate resilience</p> <ul style="list-style-type: none"> • Mr. Willi Bauer, Friedrich-Alexander-Universität Erlangen-Nürnberg <p>Health co-benefits of public parks in Munich: how size and vegetation structure shape the potential for nature-based climate adaptation and health promotion (Cancelled on 27.Oct, due to illness)</p> <ul style="list-style-type: none"> • Sophie Arzberger, School of Life Sciences, Technical University of Munich <p>Life Cycle Sustainability Assessment of Sponge City Facilities in Weinan: Integrating Construction Quota Methods</p> <ul style="list-style-type: none"> • Ms. Li Zhili, College of Architecture and Civil Engineering, Beijing University of Technology, China ; School of Environment, Tsinghua University, Beijing, China
12:00-13:30	Lunch break / Poster session
13:30-15:00	CityTree - An Interactive tool to calculate the growth and provision of ecosystem services of common tree species in European cities



Moderated by: Stephan Pauleit, Thomas Rötzer, Julia Schiller, Nayanesh Pattnaik, Monika Egerer	<ul style="list-style-type: none"> • Dr. Astrid Moser-Reischl, Chair for Strategic Landscape Planning and Management, Technical University of Munich
	Safety in the Green: A Global Review of Perceived Safety and Urban Green Space Use <ul style="list-style-type: none"> • Ms. Paula Presser, University of Twente – ITC
	Urban Trees as Infrastructure for Adaptive Growth and Climate Resilience <ul style="list-style-type: none"> • Ms. Leila Parhizgar, Strategic Landscape Planning and Management, Technical University of Munich, •
15:00-15:30	Coffee break / Poster session
15:30-17:30	The Change of Green Infrastructure in Shaping Urban Heat Adaptation Disparities in Northern Taiwan's Conurbation <ul style="list-style-type: none"> • Prof. Wan-Yu Shih, National Taiwan University
	Climate-unjust 'resilience' in two high-profile urban eco-systems (Quito and Durban) <ul style="list-style-type: none"> • Prof Patrick Bond, University of Johannesburg Centre for Social Change (didn't appear)
	Synergies between urban ecosystem services of biochar-amended circular constructed soils are soil-texture dependent and diminish with intensified stormwater events <ul style="list-style-type: none"> • Ms. Lauren Porter, Technical University of Munich (TUM)
	Where do green-blue-grey infrastructure synergies reach their limits in urban flood resilience? <ul style="list-style-type: none"> • Mr. Qichen Hong, College of Agriculture and Biotechnology, Zhejiang University, Hangzhou, China
	Green space availability of public and private areas in different local climate zones: green volume vs. green area <ul style="list-style-type: none"> • Ms. Xia Yao, Technical University of Munich •

Tuesday, 28 October 2025		Room: VEH OG (Viereckhof first floor)	
Time / Moderator		Session 7 Resilience to Multi-Hazards in Time and Space	
08:30-10:00	Moderated by: Reinhard Mechler, Jug Hee Hyun, Dipesh Chapagain, Michael Szönyi	Climate change and resilience: A building-centered approach to securing urban infrastructures <ul style="list-style-type: none">• Dr. Julia Rosin, University of Freiburg and Fraunhofer Institute for High-Speed Dynamics	
		Using Participatory Mapping for Enhancing Community Resilience: Key Lessons and Insights <ul style="list-style-type: none">• Dr Rongkun Liu, International Centre for Integrated Mountain Development	
		From Risk to Resilience: Redefining Risk Evaluation in Multi-Hazard Climate Risk Assessments <ul style="list-style-type: none">• Michaela Bachmann, International Institute for Applied Systems Analysis (IIASA)	
		Forced Resettlement after Flooding and getting flooded again. Lessons learnt from Resettlement Sites in Metro Manila and Solutions on the Ground <ul style="list-style-type: none">• Dr. Wolfgang Scholz, TU Dortmund, Department of Spatial Planning, Research Group Regional Development and Risk Management	
		Posters (1-2 min. each): <ul style="list-style-type: none">– [P27] MULTI-HAZARD RESILIENCE IN THE CHANGING HIMALAYAS - Mr. Ayog Basnyat, University of Zurich– [P28] Historical Insights for Future Resilience: Mapping Disaster Events to Understand Cascading Climate and Disaster Risks - Ms. Liz Jessica Olaya Calderon, Eurac Research/ Center for Climate change and Transformation– [P29] Empirical pathways and system dynamics of resilience: Mapping community-level, disaster resilience-building interventions - Dr. Jung Hee Hyun, International Institute for Applied Systems Analysis– [P30] Unveiling Climate Resilience: Assessing Vulnerability and Adaptive Capacity of High Mountain Farmers in Gilgit-Baltistan, Pakistan - Dr. Iftikhar Ali, Karakoram International University (Hunza Campus), Gilgit, Pakistan (didn't appear)	
10:00-10:30		Coffee break / Poster session	
10:30-12:00	Moderated by: Reinhard Mechler, Jug Hee Hyun, Dipesh Chapagain, Michael Szönyi	The Climate Resilience Measurement for Communities – an enhanced validated framework and tool for measuring community resilience to multiple climate hazards <ul style="list-style-type: none">• Mr. Michael Szönyi, Z Zurich Foundation	
		Linking Pre-Flood Community Resilience to Post-Flood Outcomes: Empirical Evidence from Developing Countries <ul style="list-style-type: none">• Dr. Dipesh Chapagain, United Nations University Institute for Environment and Human Security, Bonn, Germany; International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria	
		Assessing Households' Migration As An Adaptation Pathway In The Climate-Vulnerable Mekong Delta Of Viet Nam <ul style="list-style-type: none">• Dr. Do Ly Hoai Tan. Southeast Institute of Social Sciences. Vietnam Academy of Social Sciences	

	Temperature drops during absolute cold: an overlooked hazard • Dr. Yawen Wang, Faculty of Architecture, The University of Hong Kong
12:00-13:30	Lunch break / Poster session
Time / Moderator	Session 8 Leveraging GeoAI and Digital Twins for Climate Resilience
13:30-15:00 Moderated by: Lukas Lehnert, Yao Sun, Christian Geiß, Xinyue Ye	GeoAI-powered climate resilience: how prevention analytics enables property-level flood adaptation at scale • Mr. Feuilleaubois Laurent, Mitigate AS
	Thermal digital twin for hyper-local urban heat island analysis using UAV • Dr. Jingxia Wang, The University of Sheffield, UK
	Flood resilience through integrated digital twin approaches: A multi-model framework co-designed with stakeholders • Dr. Erica Arango, Delft University of Technology, Delft, the Netherlands
	A machine learning approach for flood impact assessment: Evaluating governmental interventions and associated economic losses in Spain • Mr. Matheus Puime Pedra, TECNUN, University of Navarra, Spain
	Posters (1-2 min. each): – [P31] Climate Model Developments and Applications in the Integrated Assessment Model Framework - Prof. Xueli SHI, Earth System Modeling and Prediction Centre, China Meteorological Administration
15:00-15:30	Coffee break / Poster session
Time / Moderator	Session 12 Social resilience to climate impacts in the past
15:30-17:30 Moderated by: Andreas Angourakis, Gwen Robbins Schug, Sarah Osterhoudt, Rowan Jackson, Adam Green, Philip Riris,	Insights into socio-environmental dynamics during the mid-Holocene from two climatically different regions: Comparing southern Iberia and southern Scandinavia • Dr. Julien Schirrmacher, Kiel University, Germany
	Research on Drought and Flood Variations in the Hanjiang River Basin Since 1426 • Dr. Zhang Xiaodan, Institute of Chinese Historical Geography, Fudan University, China
	Assessing resilience in the past – a comparative, multi-proxy resilience framework • Ms. Sara Krubeck, M.A. Universitat Pompeu Fabra, Departament d'Humanitats; CASEs - Culture, Archaeology, and Socio-Ecological Dynamics group; AGRI-DRY doctoral network, Spain
	Evolving Phases and Patterns of Flood Resilience in the Tea-Horse Road Region: A Millennial-Scale Perspective • Ms. Mei Ai, Ludwig-Maximilians-Universität München, Germany
	From Resilience to Vulnerability: The History of Ming Dynasty Fiscal System's Response to Climate Impact • Dr. Yibo Kang, Sun Yet-Sen University, China
	Posters (1-2 min. each): – [P32] Changes and drivers of flood impacts in Sichuan, China (1644–1911) - Ms. Siying Chen, Ludwig-Maximilians-Universität München (LMU), Germany

Wednesday, 29 October 2025

Wednesday, 29 October 2025		Room: VEH EG (Viereckhof ground floor)
Time / Moderator	Session 15 Paths and Strategies for Maintaining Resilience of Natural Resource Systems	
08:30-10:00 Moderated by: Lei Shen, Zhi Cao, Ayman Elshkaki	Research on Comprehensive Zoning of Natural Resource Development and Utilization in the China Pakistan Economic Corridor for Climate Resilience and Disaster Risk Response • Prof. Lei Shen, Chinese Academy of Sciences, Beijing, China	
	Strengthening Ecosystem Sustainability and Climate Resilience Through Integrative Nature-Based Solutions in Bontoli Natural Reserve, West African Drylands • Mr. Issaka Abdou Razakou KIRIBOU, Haramaya University, Ethiopia	
	An End-to-End Framework Based on UAV Data for Detailed Forest Inventory • Ms. Wen Fan, Technical University of Munich, Institute of Forest Management, Germany	
10:00-10:30	Coffee break / Poster session	
10:30-12:00 Moderated by: Lei Shen,	Resilience-in-the-Making: Rethinking Social Resilience Beyond Technocratic Framings • Azher Hameed Qamar, Münster University, Germany	
	Increasing occurrences of unprecedented water scarcity under climate change • Dr. Delong Li, Chinese Academy of Sciences, Beijing, China	

Zhi Cao, Ayman Elshkaki	Integrating AI-Driven Parametric Models for Agricultural Risk Assessment Under Data Scarcity: An Extension of Simulation-Based Decision Support • <i>Dr. Mina Kumari, Department of Mathematics, K.R. Magalam University, India</i> (didn't appear)
12:00-13:30	Lunch break / Poster session

Wednesday, 29 October 2025		Room: VEH OG (Viereckhof first floor)
Time / Moderator	Session 9 Building Resilience for Sustainable Mountain Development	
08:30-10:00	Resilience in mountain socio-ecological systems through the perspective of land use conflicts • <i>Dr. Andreas Mayer, Department of Geography, University of Innsbruck; Institute of Social Ecology (SEC), Boku University</i>	
Moderated by: Rongkun Liu, Eva Posch, Stefan Schneiderbauer, Margreth Keiler, Ningsheng Chen	From Pahad to Maidan: Climate Change and the Socio-Economic Dynamics of Out-Migration in the Uttarakhand Himalayas • <i>Mr Aayush Shah, Indian Institute of Technology Madras</i>	
	Enhancing Climate Resilience in Mountain Regions through the Impact Chain Methodology: A Case Study from the South-Eastern Alps • <i>PhD Federica Romagnoli, GLOMOS, Eurac Research, Bolzano, Italy</i>	
	Living on the Edge in the Himalaya: Climate Challenges and Resilience of Changpa Pastoral Livelihood Practice in Ladakh, India • <i>Dr Dada Dadas, Tata Institute of Social Sciences, Mumbai & Watershed Organisation Trust, Pune</i>	
	10:00-10:30	
10:00-10:30	Coffee break / Poster session	
10:30-12:00	Climate Risks and Adaptation in Mountain Areas: Insights from Global Climate Policy Instruments • <i>Stefan Schneiderbauer, United Nations University Institute for Environment and Human Security (UNU-EHS), Bonn, Germany</i>	
Moderated by: Rongkun Liu, Eva Posch, Stefan Schneiderbauer, Margreth Keiler, Ningsheng Chen	Strengthening local adaptive capacity and resilience through city-citizen collaborations? – A case study in the Alpine foothills • <i>Annika Schubert, Department für Geographie, LMU Munich</i>	
	Exploring Climate Resilience, Societal Attitudes Toward Renewable Energy Technology Adoption and Innovation in India • <i>Dr. Akojam Amitkumar Singh, Jawaharlal Nehru University (JNU) India</i>	
	Social Capital and Community-Based Adaptation: A Sociological Study on Indigenous People in Chittagong Hill Tracts area of Bangladesh (Cancelled) • <i>Dr. Joydeb Garai, University of Chittagong</i>	
	12:00-13:30	
12:00-13:30	Lunch break / Poster session	

Wednesday, 29 October 2025		Room: Konferenzraum (Conference room)
Time / Moderator	Session 13 Modeling Climate Resilience in the Global South: Past, Present, and Future	
08:30-10:00	Measuring the disaster resilience spectrum for informing transformation. Global insights and deep dive evidence from Bangladesh • <i>Dr. Reinhard Mechler, IIASA</i>	
Moderated by: Olabisi S Obaitor, Andreas Rienow, Alexandre P Santos, Matthias Garschagen	Explaining Seasonal Agricultural Vulnerability in Morocco Using Remote Sensing, Farmer Perceptions, and AI Approaches • <i>Dr. Cesar Alvarez, University of Augsburg</i>	
	Flood projections over the White Volta Basin under the shared socioeconomic pathways: an analytical hierarchical approach • <i>Mr. Nana Asirifi Cobbina, University of Energy and Natural Resources</i>	
	Measuring Capacity of Wards of Mumbai to Withstand Disasters: A Hierarchical Fuzzy Logic Analysis • <i>PIYUSH KUMAR, INDIAN INSTITUTE OF TECHNOLOGY BOMBAY</i>	
	10:00-10:30	
10:00-10:30	Coffee break / Poster session	
10:30-12:00	Citizens and Satellites: Modeling Future Urban Sprawl in Context of Climate Change Adaptation in Western Germany • <i>Dr. Andreas Rienow, Institute of Geography, Ruhr University Bochum, Germany</i>	
Moderated by: Olabisi S Obaitor, Andreas Rienow,	Integrating Street View and Satellite Imagery for Urban Morphology Mapping: An Application in Jakarta • <i>Mr. Jingyao Zhou, Department of Geography, Ludwig-Maximilian University of Munich</i>	

Alexandre P Santos, Matthias Garschagen	Enhancing urban water system resilience under climate change: An application of a participatory impact chain approach in the Greater Asmara Area, Eritrea • <i>Dr. Blal Adem Esmail, GLOMOS, Eurac Research, Bolzano, Italy</i>
	Yield stability under climate change. What are the prospects for smallholder maize farmers in Kenya? • <i>Dr. rer. agr. Harison K. Kipkulei, University of Augsburg</i>
12:00-13:30	Lunch break / Poster session

Wednesday, 29 October 2025 Room: Vortragssaal (Lecture Hall)

Time / Moderator	Session 17 Climate Resilience Across Scales, Sectors, and Disciplines
08:30-10:00 Moderated by: Lorenzo Chelleri, Ru Guo, Liang Emlyn Yang, Matthias Garschagen	Developing a comprehensive framework to evaluate urban climate resilience in megacities • <i>Prof. Ru GUO, Tongji University</i>
	Proactive Climate Resilience Planning Using Computational Models to Reveal Trade-offs • <i>Assoc. Prof. Nazli Yonca Aydin, TU Delft</i>
	Democratic Resilience: Climate change as threat to democracy. • <i>Benjamin S. Godwin Schmidt (MA), Rachel Carson Center & Department of Geography, LMU</i>
	Climate Change and Coastal Retreat: Geomorphological Transformation and Managed Retreat in Pekalongan, Indonesia • <i>Prof. Dr. Muh Aris Marfai, Faculty of Geography, Universitas Gadjah Mada and Geospatial Information Agency of Indonesia</i>
10:00-10:30	Coffee break / Poster session
10:30-12:00 Moderated by: Lorenzo Chelleri, Ru Guo, Liang Emlyn Yang, Matthias Garschagen	Why it is worth exploring "Regenerative Resilience" as a new paradigm for climate resilience • <i>Dr. Lorenzo Chelleri, Universitat Internacional de Catalunya (UIC), Spain</i>
	Research on the Construction of Resilient Communities in Qinglongquan: Based on the Practice of Large-scale Relocation Settlements in Hubei Province • <i>Prof. Yonghua Li, Department of Regional and Urban Planning, College of Civil Engineering and Architecture, Zhejiang University</i>
	Natural and human-induced decline and spatio-temporal differentiation of terrestrial water storage over the Lancang-Mekong River Basin • <i>Prof. Dr. Junxu Chen, School of Earth Sciences, International Joint Research Center for Karstology, Yunnan University, Kunming, China</i>
	Public communication in participatory climate adaptation: Insights from a review process • <i>Mr. Leonardo Soares Lopes, University of Porto, Portugal</i>
12:00-13:30	Lunch break / Poster session

Wednesday, 29 October 2025 Room: Vortragssaal (Lecture Hall)

Time	Event	Moderator
13:30-14:15	[Keynote] Beyond Disaster Response: Resilience across Time and Space • <i>Prof. Tina Comes, Delft University of Technology (TU Delft)</i>	Liang Emlyn Yang
14:15-15:30	Closing plenary session: • Reflection moments by participants • Publication plan, Research initiative, etc. • Announcement of the "Munich Climate Resilience Initiative"	Liang Emlyn Yang
	• Awards for Best Presentations, Best Posters, Excellent Young Researchers • Wrap up and remarks, etc.	Matthias Garschagen

Keynote speaker

Prof. Tina Comes

Decision Theory & ICT for Resilience, TU Delft, Netherland

Prof. Tina Comes is a Professor in Decision Theory & ICT for Resilience at the TU Delft (NL). Since her PhD, she has been determined to better understand decision-making of individuals and groups in the context of climate risk and crises. Her work on resilience combines behavioral insights and value considerations from the field with computational models and AI. At the TU Delft, Prof. Comes leads the Resilience Lab and heads the disaster resilience theme for the Delft Global Initiative. She serves as the Scientific Director for the 4TU.Centre for Resilience Engineering, a collaboration of the four technical universities of the Netherlands. She has recently chaired the Evidence Review Report on Strategic Crisis Management in the EU under Science Advice for Policy-Makers by European Academies. She is a member of the Norwegian Academy of Technological Sciences and the Academia Europaea, and she serves as Editorial Board Member for Nature Scientific Reports.



Wednesday 29 October 2025, 13:30-14:15 at Vortragssaal (Lecture Hall)

Beyond Disaster Response: Resilience across Time and Space

Abstract: Climate resilience research and practice often separate disaster response from longer-term climate adaptation. This keynote argues for integrating short-term disaster resilience with longer-term adaptation and development pathways—a shift that fundamentally changes how we measure and conceptualise resilience. This integration raises critical methodological questions: How do we measure resilience across temporal scales, from disaster response to the transformation to sustainable cities? How do spatial contexts shape what resilience means and how it should be assessed? These questions suggest that resilience is an inherently normative concept, embedded in value judgments about what should be sustained, for whom, and at what cost.

I will discuss these questions against findings resulting from agent-based modelling, data science, and field research across cases in Asia, Africa, and Europe. This combination demonstrates how context shapes both what we understand to be resilient and the need for different methodological approaches. As climate impacts intensify, we need resilience frameworks that bridge temporal scales, embrace methodological and contextual diversity, and support decisions that matter for the communities, cities and systems we seek to sustain.



Keynote speaker

Prof. Margreth Keiler

Institute of Geography, University of Innsbruck, Austria;
Institute for Interdisciplinary Mountain Research, Austrian
Academy of Sciences.

Margreth Keiler is Professor of Interdisciplinary Mountain Research at the University of Innsbruck and Director of the Institute for Interdisciplinary Mountain Research at the Austrian Academy of Sciences. She also serves as Co-Chair and Project Leader of the Second Austrian Assessment Report on Climate Change. She studied Geography and Earth Sciences at the University of Innsbruck and the University of Aberdeen, earning her PhD in 2004. After academic positions in Vienna and Bern, she became Associate Professor at the University of Bern and Co-Head of the Mobiliar Lab for Natural Risks at the Oeschger Centre for Climate Change Research before returning to Innsbruck in 2021. Her research explores how natural hazards and risks in mountain regions evolve under global environmental change. She develops interdisciplinary models linking natural and social processes to better understand dynamic hazard-risk interactions and to support sustainable, resilience-oriented risk management.

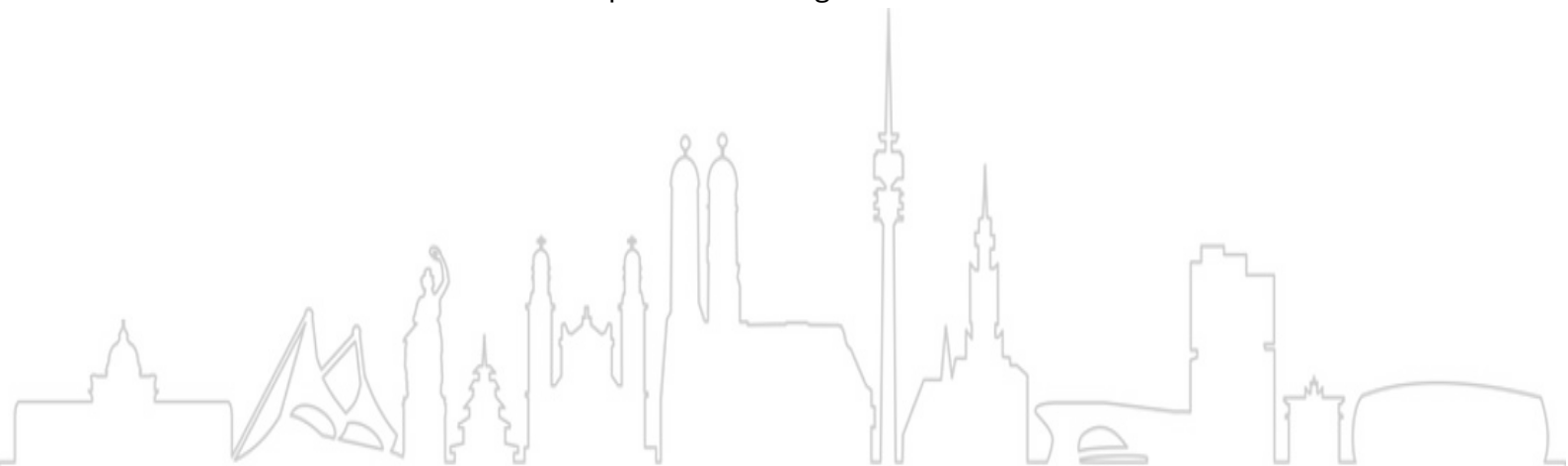


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Monday 27 October 2025, 18:30-19:15 at Vortragssaal (Lecture Hall)

Building resilience in mountain regions – integrating hazard knowledge and risk governance

Abstract: Despite increasing scientific knowledge and the implementation of hazard and risk management strategies, mountain societies continue to be affected by high loss events. Natural hazard processes and society are subject to constant and interactive change – including climate change and economic crises –, influencing the dynamics of risks and the resilience of affected societies. The presentation will present studies on challenges of risk management under changing climatic conditions, extremes and cascading events as well as their interactions. Insights of these studies will be integrated in a model of coupled human-landscape systems to further develop a better understanding of risk and resilience evolution in mountain communities for an adaptive risk management.



Keynote speaker

Dr. Shankar Chandrakant Deshpande

Chief, Town & Country Planning Division, Mumbai
Metropolitan Region Development Authority (MMRDA), India

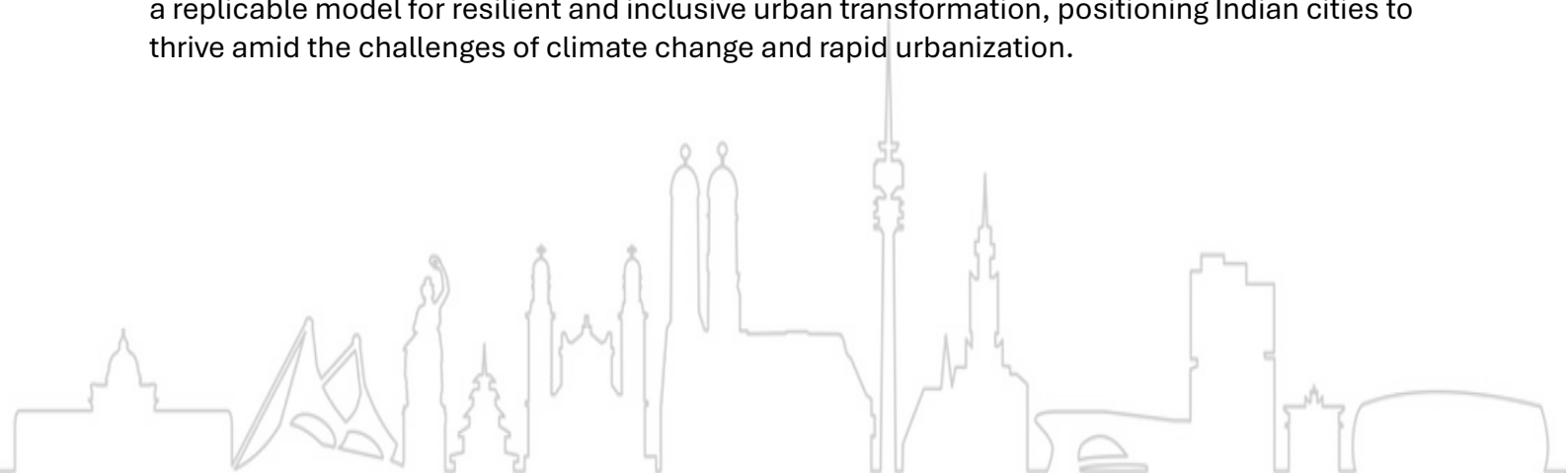
Dr. Shankar Deshpande is a senior urban and regional planning professional with over 30 years of leadership in sustainable infrastructure, transportation, and metropolitan governance. As Chief of Town & Country Planning at MMRDA, he has led landmark projects in transit-oriented development, water-resource strategy, river rejuvenation, and climate-resilient urban planning across the 6,328 sq km Mumbai Metropolitan Region. A PhD graduate of IIT Bombay and alumnus of IHS Rotterdam, he has worked along with NITI Aayog, MoHUA, and the World Economic Forum on developing MMR as a global economic hub. He has participated in numerous international conferences organized by the EU, World Bank, and GIZ, advocating sustainable urban and regional development and mainstreaming resilience into policy and practice. Recipient of multiple national awards, Dr. Deshpande champions inclusive, technology-driven, and climate-resilient urban transformation.



Monday 27 October 2025, 10:15-11:00 at Vortragssaal (Lecture Hall)

Urbanisation and Climate Resilience – Learnings from the Mithi River Development Project, Mumbai

Abstract: Mumbai's experience with the Mithi River illustrates how urban resilience can evolve through the integration of infrastructure, ecology, and social inclusion. The devastating floods of 2005 prompted the creation of a coordinated institutional framework between the Mumbai Metropolitan Region Development Authority (MMRDA) and the Mithi River Development and Protection Authority (MRDPA). Engineering measures—such as channel widening, deepening, and ecological restoration—tripled the river's discharge capacity and reduced flood risk, while social measures resettled more than 10,000 families into safer housing. The initiative demonstrates that resilience emerges when environmental restoration aligns with governance reform, urban planning, and community welfare. By linking land-value capture, sustainable mobility, and nature-based solutions within the regional planning framework, Mumbai provides a replicable model for resilient and inclusive urban transformation, positioning Indian cities to thrive amid the challenges of climate change and rapid urbanization.



Keynote speaker

Prof. Mark Pelling

Institute for Risk and Disaster Reduction, University
College London, UK

Prof. Mark Pelling is an internationally renowned scholar on climate change adaptation, disaster risk reduction, and urban resilience. His research focuses on the social and institutional dynamics shaping vulnerability and adaptation in urban contexts, particularly across low- and middle-income countries. He has been selected as one of 97 authors for the United Nations' IPCC Special Report on Climate Change and Cities, scheduled for release in March 2027. He has previously served as Coordinating Lead Author for multiple IPCC reports, including the AR5 and AR6, as well as the Special Report on Managing the Risks of Extreme Events and Disasters (SREX). He also contributes to international science-policy interfaces as a member of the ISC RISK Knowledge Action Network and the UNDRR European Science and Technology Advisory Group. His work continues to influence global resilience thinking and policy for sustainable development.



Monday 27 October 2025, 09:30-10:15 at Vortragssaal (Lecture Hall)

Tomorrow's Cities: From normative visions to resilience enabling environments

Abstract: It is commonplace for participatory methods to be integrated into resilience and adaptation research and practice. Less clear is what difference such approaches make beyond the confines of the workshop or project delivery. This talk will reflect on the Tomorrow's Cities project that worked for five years in collaboration with universities, local government and communities at risk in 10 global South cities to codesign and test a joined-up approach to risk sensitive urban planning. Methods generated, challenges and lessons will be shared for embedding participatory approaches within cycles of visioning, urban development scenarios, climate risk assessment and action on the enabling environment for inclusive and informed decision-making.



Information for session organization and presentations

Information for Session Conveners:

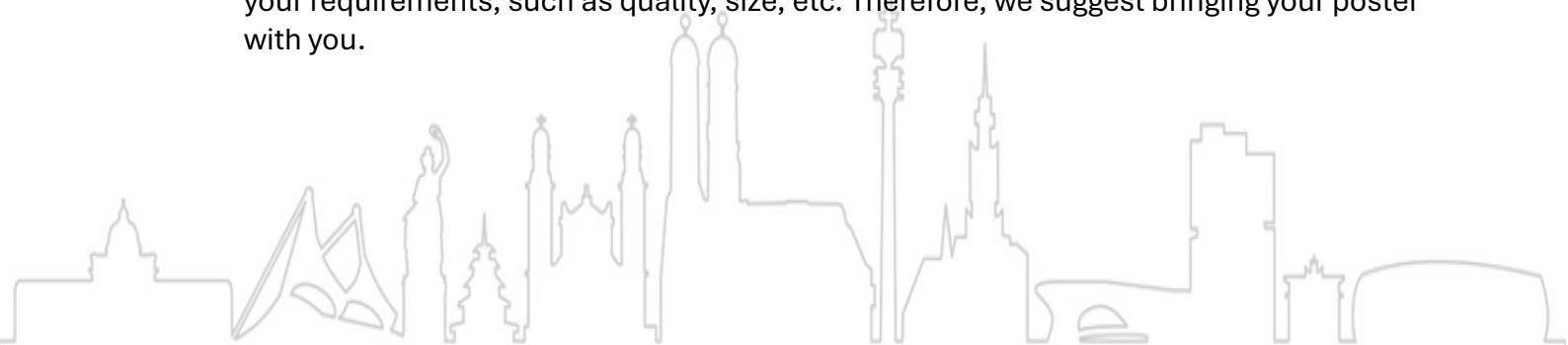
- All (co-)conveners of sessions at the conference are welcome to attend the conference in Munich.
- Session-convener teams shall discuss and ensure that at least one of the conveners will be at the conference to chair and moderate the session.
- Date and time are assigned to each session considering the number of presentations.
- Session conveners are suggested to give each oral presentation 15 minutes' talk plus 5 minutes for discussions. However, sessions can adjust the time for use in other activities, e.g. introduction, additional talks, general discussion, summary or wrap up
- Session conveners are encouraged to invite poster presenters to speak shortly in the oral session, e.g. 1-2 minutes with or without slides.

Information for oral presentations:

- Each oral presentation is suggested for 15 minutes' talk plus 5 minutes for discussions. However, session chairs can control and shorten each presentation to save time for other uses, e.g. introduction, additional talks, general discussion, summary or wrap up.
- Slides can be submitted/uploaded in advance to a shared online folder via this link (password: iCARE25Munich): <https://syncandshare.lrz.de/getlink/fi8kksHmM5xMBZ4e3NHxwY/> However, this is not required. Speakers can bring their slides to the session via USB-stick, in laptop, by emails, etc. Please make sure the session chairs have your slides before your presentation.

Information for poster presentation:

- Poster presentations are not scheduled at specific times. Rather, posters will stand at the conference venue for all three days and can be presented anytime (e.g. coffee break, lunchtime).
- Further, session conveners are encouraged to invite poster presenters to speak shortly in the oral session, e.g. 1-2 minutes with or without slides.
- Poster boards and pins are provided. The board is in portrait format of 140 cm height and 115 cm width, which shall be the maximum size of your poster.
- It is the presenters' responsibility to design, print and bring their own poster to the conference and pin it on the numbered board, as well as remove it at the end of the conference.
- Due to press issues, we are not allowed to recommend any print shops. Based on our experience, there are a few print shops near the university campus, but poster printing there tends to be a bit expensive. You also need to inform the shop in advance about your requirements, such as quality, size, etc. Therefore, we suggest bringing your poster with you.



Conference Registration

To facilitate the conference organization, you are required to **fill in the registration form via the link:** <https://survey.ifkw.lmu.de/RegistrationICRC/>

The registration is **free of charge**, but required for organizational reasons. Information of registration will be used to produce your name card, welcome bag, and also for entrance control.

Conference folder for file sharing

A folder has been created for sharing documents related to the conference. The folder is accessible via the QR code or the link with the password: **iCARE25Munich**

<https://syncandshare.lrz.de/getlink/fi8kksHmM5xMBZ4e3NHxwY/>

Presenters can upload their slides to the folder in advance, or just bring slides to the session using USB-stick, in laptop, by emails, etc.



The folder is based at a secure server at the Leibniz Supercomputing Centre in Munich (LRZ sny+share) that serves many educational and research institutions including LMU.

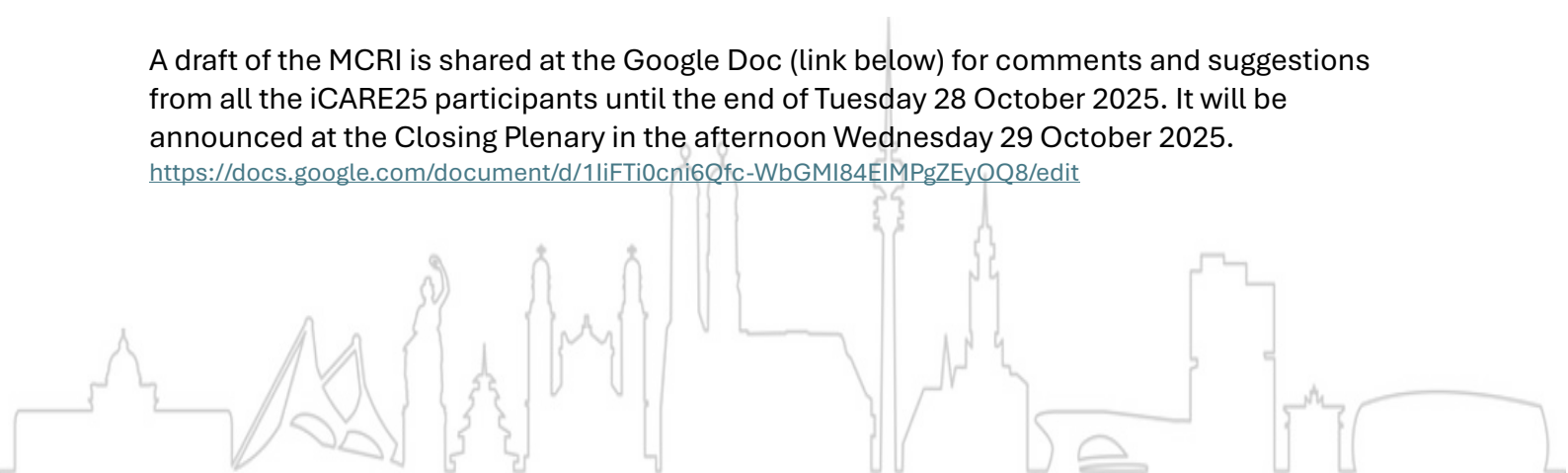
Munich Climate Resilience Initiative (MCRI)

Adopted at the Closing Plenary of the International Climate Resilience Conference (iCARE 2025), Munich, 29 October 2025

Climate change poses unprecedented challenges to societies, economies, and ecosystems across the world. While the scientific community has made remarkable progress in understanding risks, vulnerabilities, and impacts, the global response still falls short of enabling societies to adapt, transform, and thrive amid climatic uncertainty. Building resilience has become an imperative for sustainable and equitable development. The iCARE 2025 conference likes to jointly with all participants announce the “Munich Climate Resilience Initiative” (MCRI). The MCRI aims to promote resilience thinking in research, practice, and policy, and advance collaboration across disciplines, sectors, and regions.

A draft of the MCRI is shared at the Google Doc (link below) for comments and suggestions from all the iCARE25 participants until the end of Tuesday 28 October 2025. It will be announced at the Closing Plenary in the afternoon Wednesday 29 October 2025.

<https://docs.google.com/document/d/1liFTi0cni6Qfc-WbGMI84EIMPgZEyQQ8/edit>



Awards

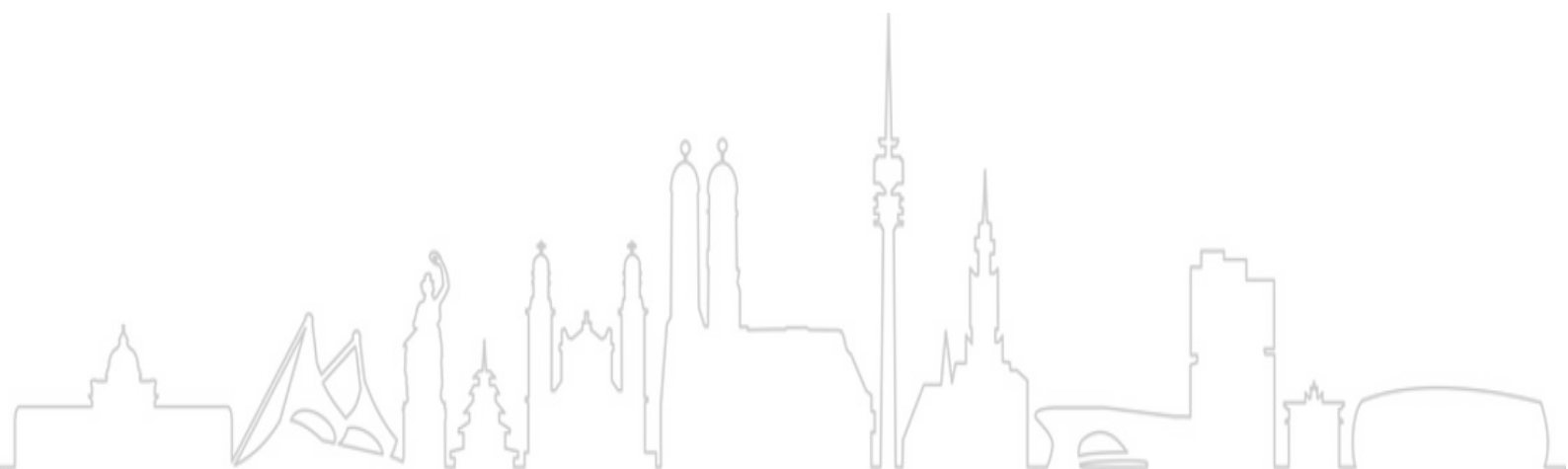
The conference will offer three types of awards to the participants:

- **Award for Best Presentation.** All oral presentations at the conference are considered. Session conveners are required to evaluate and give scores to the presentations they moderated. Printed evaluation forms will be given to the session conveners.
- **Award for Best Poster.** All posters at the conference are considered. Conference participants can access an online questionnaire to give scores to the posters. Real name is required for the scoring process. **!!!NOTE: Only the evaluation inputs during 8:00 on 27 October to 12:00 on 29 October 2025 will be considered!!!**
Link to the Poster Award <https://survey.ifkw.lmu.de/stories2024/?q=qnr9>
- **Excellent Young Researcher Award.** Application is required by filling in the form by 23:59 Friday 24 October 2025 German time <https://survey.ifkw.lmu.de/awardapplication>. Applications will be evaluated and scored by all the session conveners including those not attending the conference. The weblink and QR code of the evaluation form will be sent to all the conveners.



Decisions regarding the awards will be made by all the organizers and conveners of sessions at the conference. They will evaluate and score the candidates during the conference period.

The awards will be presented and offered at the closing plenary of the conference in the afternoon 14:15-15:30 on Wednesday 29 October 2025.



Transport from/to the Airport

Payment by credit card is widely accepted in Germany.

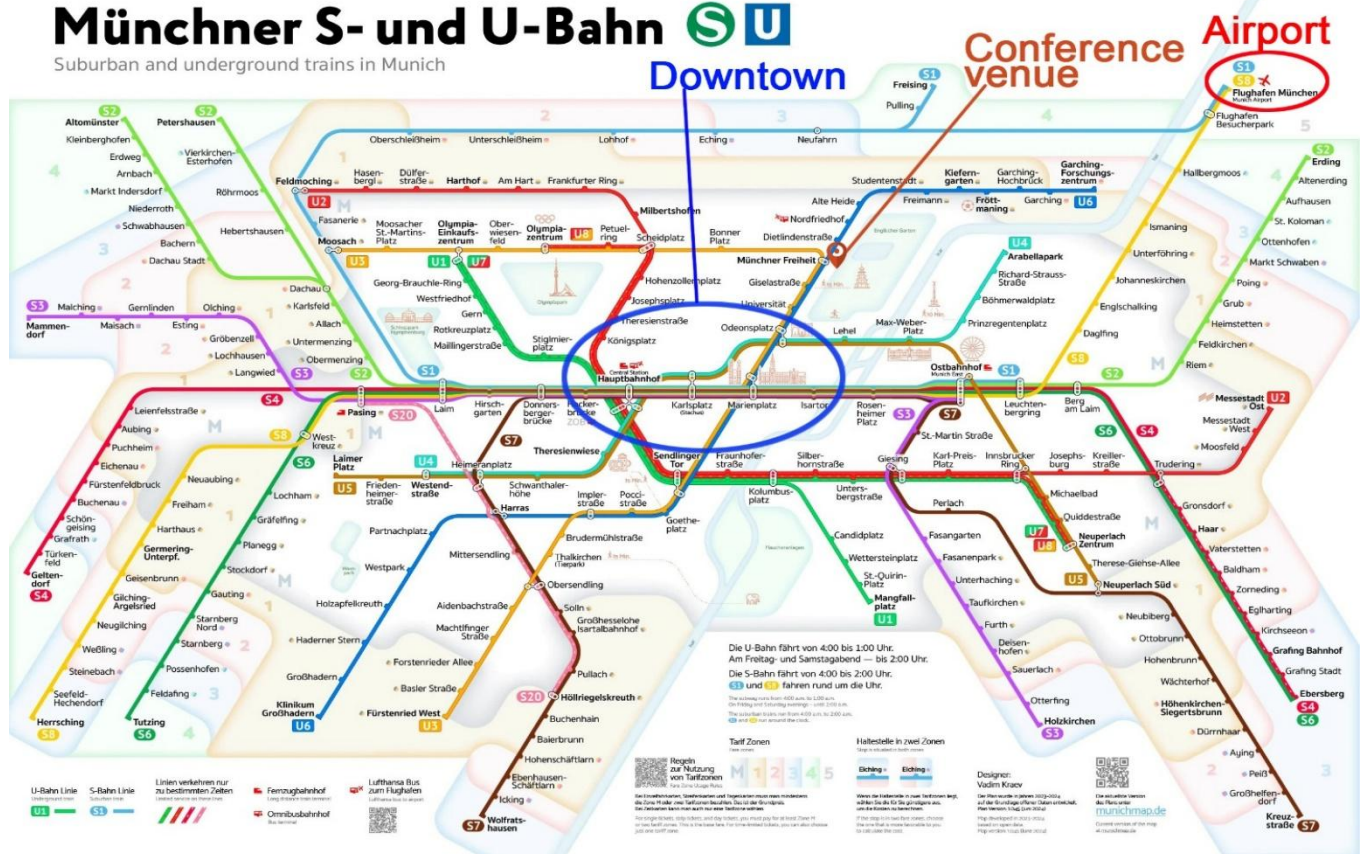
A. S-Bahn - S1 or S8 (Subway)

Both S1 and S8 connect the airport directly to the city center. A one-way ticket costs 14.50 Euro, which can be bought at ticket machines in all subway stations.



Münchner S- und U-Bahn

Suburban and underground trains in Munich



B. Lufthansa Express Bus

The bus is operated by Lufthansa but serves all passengers. It connects the airport and two stops in Munich: Nordfriedhof and Hauptbahnhof/HBF, from there you can transfer to any part of Munich. A one-way ticket cost 12 Euro.



C. Taxi

Taking taxi from the airport to Munich downtown costs about 120 Euro and takes 30-40 minutes depending on traffic situation.



Location and place of the conference venue

Conference venue: Catholic Academy in Bavaria (Kardinal Wendel Haus)
Address: Mandlstrasse 23, 80802 Munich

Guide Map to the Conference Venue



Map of the Conference Rooms



Sponsors of the conference



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