



Cross-border climate change impacts and systemic risks in Europe and beyond

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Parallel	Poster	Panel	Keynote
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Time	Monday 16.10.23	Tuesday 17.10.23	Wednesday 18.10.23
09:00 - 10:00		Keynote: Yasuko Kameyama (virtual)	Parallel Session 4 Session 4.2: Modelling complex dynamics Session 7.2: Climate physical risks Session "In receipt of cascades"
10:00 - 11:00	Registration [Posters can be installed & visited already]	Keynote: Dhanasree Jayaram (virtual)	
11:00 - 12:00	Opening session: 11:00 Welcome & Opening keynote John Schellnhuber 11:30 RECEIPT/CASCADES intro	Coffee Break	Keynote: Marc Zebisch
12:00 - 13:00	12:00 Keynote: Nicola Ranger	Parallel Session 2 Session 2: Scenarios & Storylines Session 3: Policy analysis Session 6: Climate-development-security Session 5.2: Trade, supply & value chains	
13:00 - 14:00	Lunch Break	Lunch Break	Lunch Break
14:00 - 15:00	Keynote: Gabriel Felbermayr	Parallel Session 3 Session 2.2: Scenarios & Storylines Session 4.1: Modelling complex dynamics Session 8: Policy Coherence Session 5.3: Trade, supply & value chains	
15:00 - 16:00	Coffee Break	Poster Session 2, Multimedia Room & Coffee Break	
16:00 - 17:00	Parallel Session 1 Session 1: Conceptual Frameworks Session 9: Participatory approaches Session 7.1: Climate physical risks Session 5.1: Trade, supply & value chains		
17:00 - 18:00	Poster Session 1, Multimedia Room & Coffee Break	Panel discussion 2: Linking Science with Policy With: Martina Spaggiari, Christina Wegelein, Olga Pilifosova Ruth Townend	
18:00 - 19:00	Panel discussion 1: Research Agenda With: Tim Carter, Jana Sillmann, Nicola Ranger, Marc Zebisch, Scira Menoni	Social Dinner	
19:00 -	Ice Breaker / Welcome reception		

Detailed Program

Monday 16.10.

Parallel	Poster	Panel	Keynote
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Time	Session	Session organisers	Venue
10:00 – 11:00	Registration		
11:00 – 12:00	Opening session	Christopher Reyer & Bart van den Hurk	Hasselmann Hall A56
	Welcome Opening Keynote: Hans-Joachim Schellnhuber, Director Emeritus of the Potsdam Institute for Climate Impact Research (PIK) and appointed Director General of the International Institute for Applied Systems Analysis (IIASA)		
	Welcome-address from projects: Bart van den Hurk (RECEIPT) and Christopher Reyer (CASCADES)		
12:00 – 13:00	Keynote 1: Nicola Ranger, Leader of the Resilience and International Development Programme at the Environmental Change Institute and Executive Director of the Oxford Martin Systemic Resilience Programme		
13:00 – 14:00	Lunch Break		
14:00 – 15:00	Keynote 2: Gabriel Felbermayr, Director of the Austrian Institute of Economic Research (WIFO) and professor at the Vienna University of Economics and Business (WU), Vienna, Austria		Hasselmann Hall A56
15:00 – 15:30	Coffee Break + group picture		
15:30 – 17:00	Parallel Session 1 (12min presentation+3min Q/A)		
	Session 1: Conceptual frameworks of cross-border and cascading climate impacts/risks - "A framework for understanding and responding to cross-border climate change impacts" (Timothy Carter) - "Why mental health, emotion and affect should be considered as cross-border and cascading climate impacts and risks - a blind spot in much current research" (Cathryn Kay, virtual) - "Identifying, Assessing, and Governing Systemic Risks: Towards an Integrative Framework" (Pia-Johanna Schweizer) - "A framework and typologies for responding to cross-border climate change impacts" (Sara Talebian) - "The transnational climate impacts index 2.0: a new, flow-based quantification" (Johanna Hedlund, virtual)	Stefan Fronzek	Hasselmann Hall A56
	Session 9: Participatory approaches towards cross-border risks - "Policy simulations to co-create resilient futures in the context of cross-borders climate impacts" Demonstration session (Piotr Magnuszewski)	Piotr Magnuszewski & Katy Harris	Telepresence room A56

	<ul style="list-style-type: none"> - "Mapping the stakeholders to enhance co-creative approaches on climate change adaptation in two delta cities in the Greater Rotterdam Living Lab" (Theresa Audrey Oller Esteban, virtual) - "Visualizing RECEIPT climate impact storylines in a web browser" (Gijs van den Oord, virtual) - "The 2023 Global Transboundary Climate Risk Report" (Katy Harris) - "How to nurture cooperative behavior in ways that are useful for managing Transboundary Climate Risks in agriculture supply-chains" (Adis Dzebo) 		
	<p>Session 7.1: Climate physical risks and the financial system</p> <ul style="list-style-type: none"> - "An integrated ABM approach to understanding the impact of pandemics and fiscal stimuli on the economy and climate" (Paola D'Orazio) - "Multilateral adaptation finance for systemic resilience: Addressing cross-border climate risks" (Katherine Browne) - "Sensitivity analysis of the indirect cost model ARIO based on the 2021 July flood in Germany" (Samuel Juhel) - "Asset-level climate physical risk assessment is key for adaptation finance" (Giacomo Bressan) - "Climate transition spillovers and sovereign risk: evidence from Indonesia" (Régis Gourdel) 	Stefan Hochrainer-Stigler	Haus H 1
	<p>Session 5.1: Trade, supply and value chains</p> <ul style="list-style-type: none"> - "Food-system consequences and responses associated with future trade-lined cross-border climate-border impacts: Insights from quantitative and qualitative research methodologies" (Chris West) - "Impacts of compound natural hazards on supply chains" (Zélie Stalhandske) - "Cross-border impacts of worldwide climate effects on effective labour for Finland" (Johanna Pohjola, virtual) - "Impacts of climate-induced changes in crop variability on the European food security" (Anton Orlov, virtual) - "Uncertainty in land-use adaptation persists despite crop model projections showing lower impacts under high warming" (Edna Molina Bacca) 	Chris West	Haus H 2
17:00 – 17:45	<p>Poster Session, Multimedia Experience & Coffee Break:</p> <ul style="list-style-type: none"> - Alternating display of "Storyline visualizer" and "The Cascades Game" (Christophe Thévenaut, Piotr Magnuszewski) – <i>Telepresence Room</i> - "Culture, climate change, and water conservation: Water ecosystems and culture-based adaptation practice in Developing Countries" (Shahid Mallick) - "Women's lived experiences of the slow water crisis in Cape Town (South Africa)" (Ariadna Romans i Torrent) - "The role of youth-based organizations in addressing cross-border and cascading climate impacts and risks" (Amara Kamara) - "Uncovering the Nexus between Fossil-Based Energy Security, Financial Policies, and Climate and Energy Transition Risks: Insights from a German Economic Case Study" (Franziska M. Hoffart) - "Rebuild better for a sustainable future" (Ilona M. Otto) 		Telepresence Room/ Atrium A56
17:45 – 19:00	<p>Panel discussion 1: Research Agenda: Tim Carter (SYKE), Jana Sillmann (CICERO), Nicola Ranger (University of Oxford), Marc Zebisch (Eurac), Scira Menoni (European Commission)</p>	Suraje Dessai	Hasselmann Hall A56
19:00 –	Ice Breaker / Welcome reception		

Tuesday 17.10.

Parallel	Poster	Panel	Keynote
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Time	Session	Session organisers	Venue
09:00 – 10:00	Keynote 3: Yasuko Kameyama , Professor and Center Director at the Sustainable Society Design Center, University of Tokyo (virtual)		Hasselmann Hall A56
10:00 – 11:00	Keynote 4: Dhanasree Jayaram , Assistant Professor and Co-coordinator of the Centre for Climate Studies at Manipal Academy of Higher Education (MAHE), Karnataka India (virtual)		Hasselmann Hall A56
11:00 – 11:30	Coffee Break		
11:30 – 13:00	Parallel Session 2 (12min presentation+3min Q/A)		
	Session 2.1: Scenarios and Storylines to capture cross-border climate impacts. <ul style="list-style-type: none"> - "Characterising future international connectivity in the SSPs to assess cross-border climate risks" (Stefan Fronzek) - "A multi-scale scenario approach to understand and respond to cascading climate risks to global food security" (Sara Talebian) - "The storyline approach as a scientific methodology for risk assessment of remote climate impacts on Europe" (Suraje Dessai) - "Synthesis of storylines through common policy directions: a causal network approach" (Taro Kunimitsu, virtual) 	Timothy Carter	Hasselmann Hall A56
	Session 3: Policy analysis methods for studying cross-border impacts and adaptation <ul style="list-style-type: none"> - "Comprehensive security against climate change: Preparing for cascading and transition impacts" (Emma Hakala) - "Consensus priorities on allocating forecast-based funding of humanitarian and disaster aid for climate change adaptation: A Delphi study" (Juha-Pekka Jäpölä) - "The impacts of coastal flooding and sea level rise on critical infrastructure: a novel storyline approach" (Elco Koks) - "Is the UNFCCC ready to handle the reality of cross-border climate risks?" (Richard Klein) - "A just transition for climate change adaptation: how do we build just resilience in an interconnected world" (Frida Lager) - "Debate: Does the EU need a DG RESILIENCE?" (Magnus Benzie) 	Ilona Otto	Telepresence room A56
	Session 6: Climate-development-security nexus <ul style="list-style-type: none"> - "Sustainable development, climate change and Mediterranean area: a nexus approach" (Philippe Drobinski, virtual) - "The effects of droughts on food (in)security in the context of climate change: a multifaceted relationship" (Domenico Bovienzo) - "Average annual cost of internal displacement risk" (Mario Salgado-Gálvez) - "Supporting Early Action with a flood Impact-based Forecasting: a case study of Tropical Cyclone Idai" (Margherita Sarcinella) - "The impact of disasters on EU humanitarian aid allocations: a storyline approach to Tropical Cyclone Idai" (Letizia Monteleone) 	Hanne Knaepen	Haus H 1
	Session 5.2: Trade, supply and value chains <ul style="list-style-type: none"> - "Estimating the Impact of Physical Climate Risks on Firm Defaults: A Supply-Chain Perspective" (Ruben Kerkhofs) - "Stressed economies respond more strongly to climate extremes" (Robin Middelanis) - "Risks to global food security triggered by the Russian invasion of Ukraine" (Kilian Kuhla) 	Francesco Bosello	Haus H 2

	- "Representation of Indirect and Interregional Effects in Modelling Approaches in the MYRIAD-EU Project" (Benjamin Blanz)		
13:00 –14:00	Lunch Break		
14:00 –15:30	Parallel Session 3 (12min presentation+3min Q/A)		
	Session 2.2: Scenarios and Storylines to capture cross-border climate impacts. - "Integrated climate, environmental and socio-economic storylines to support adaptation in the Tigris-Euphrates Basin" (Elena Saggiaro) - "A Framework for Multi- and Systemic-Risk Analysis: Focusing on Indirect Risks Based on Dependencies" (Stefan Hochrainer-Stigler) - "Storylines of future changes in precipitation regimes across the RECEIPT hotspots of remote agricultural risk affecting Europe" (Rohit Ghosh) - " <i>How resolving ocean eddies can strengthen storylines of a warmer future climate.</i> " (Gerrit Versteeg, virtual) - "Building storylines of high impact storms under global warming and sea level rise" (Henrique M. D. Goulart, virtual)	Suraje Dessai	Telepresence - room A56
	Session 4.1: Modelling complex dynamics in social/ economic systems - "Cascading climate tipping events and how they may be prevented by society" (Nico Wunderling) - "Multi-hazard risk assessment of critical infrastructure at the global scale" (Sadhana Nirandjan) - "Lessons from COVID-19 for managing transboundary climate risks and building resilience" (Ilona Otto/ Andrew Ringsmuth) - " <i>Towards a better understanding of the economic cost of compound events</i> " (Lin Ma, virtual) - "Tessellated border-independent exposure analysis for operational climate and disaster risk preparedness applications" (Piero Campalani)	Jana Sillmann	Haus H 2
	Session 8: Coherence of policy responses to systemic risks - "An assessment of the suitability of EU food and trade policy in the context of cross-border climate risks and geopolitical instability" (Joe Simpson) - " <i>Spanish responses to cross-border climate security risks in the agricultural sector</i> " (Hector Morales Munoz, virtual) - " <i>Evaluation of EU policy responses to cross-border impacts originating in the Arctic, towards advancing adaptation to climate change.</i> " (Claire Mosoni, virtual) - "Analysing coherence and integration in policies for adapting to cross-border impacts of climate change" (Paula Kivimaa and Mikael Hilden) - "Integration and coherence of climate change adaptation policy with EU finance and trade policies" (Samuli Pitzén and Mikael Hilden) - "Coherence of climate change policy" (Sayouba Ouedraogo)	Jaroslav Mysiak	Hasselmann Hall A56
	Session 5.3: Trade, supply and value chains - "Stakeholder perspectives on cross-border climate risks in the Brazil-Europe soy supply chain" (Emilie Stokeld) - "A novel methodology to assess crop-specific climate risks: A cross-border case study of agri-food trade between Turkey and the EU" (Tijmen Schults) - "Cascading impacts in the Russia- Ukraine war" (Cornelia Auer) - "Climate storyline approach for cross-border climate change risks in agri-food trade: case study of cacao" (Ertug Ercin) - " <i>Impacts of climate change on global food trade networks</i> " (Johanna Hedlund, virtual)	Ertug Ercin	Haus H 1
15:30 – 16:30	Poster Session , Multimedia Experience & Coffee Break: - Alternating display of "Storyline visualizer" and "The Cascades Game" (Christophe Thévignaut, Piotr Magnuszewski) – <i>Telepresence Room</i>		Telepresence Room/ Atrium A56

	<ul style="list-style-type: none"> - “Framework of climate risks in the context of business activities” (Monika Sadkowska) - “Destination Earth Digital Twins as tools for adapting to climate change” (Jörn Hoffmann) - “The representation of climate change social impacts in Integrated Assessment Models: a systematic literature review” (Paola López-Muñoz) - “Transnational adaptation governance: A global lens for coherent approaches to formal and informal adaptation“ (Adis Dzebo) - “Do you know what I know?: Understanding risk through collective introspection” (Theresa Audrey Esteban) 		
16:30 – 18:00	Panel discussion 2: Linking Science with Policy: Martina Spaggiari (ECB), Christina Wegelein (German Foreign Ministry), Ruth Townend (Chatham House), Olga Pilifosova (UNFCCC)	Fabien Tondel	Hasselmann Hall A56
19:00 –	Social Dinner at the Hotel Maxx in Potsdam		

Wednesday 18.10.

Parallel	Poster	Panel	Keynote
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Time	Session	Session organisers	Venue
09:00 – 10:30	Parallel Session 4 (12min presentation+3min Q/A)		
	Session 4.2: Modelling complex dynamics in social/ economic systems -" Modelling uncertain economic impacts of climate change under a multi-regional and multi-sectoral bottom-up perspective" (Paola López-Muñoz) - "Understanding the dynamics of recurrent floods in the Philippines" (Inga Sauer) - "Archetypes of cascading climate change impacts" (Cornelia Auer) - <i>"The resource (in)sufficiency of the Caribbean: Analyzing Socio-metabolic Risks (SMR) of Water, Energy, and Food"</i> (Francisco Xavier Felix Martin del Campo, virtual)	Bart van den Hurk	Haus H 2
	Session 7.2: Climate physical risks and the financial system - <i>"Increasing countries' financial resilience through global catastrophe risk pooling"</i> (Alessio Ciullo, virtual) - "Differential Fiscal Performances of Plausible Disaster Events: A storyline approach for the Central American and Caribbean Governments under CCRIF" (Stefan Hochrainer-Stigler) - "Smart-Support Governments in Global South to Address Physical and Financial Risks of Infrastructure induced by Climate Change" (Qinhan Zhu) - "Exploring the efficient frontier in physical risk reporting" (David N. Bresch) - "How vulnerable is Europe to severe climate-related disasters abroad? Integrating CGE and natural disaster models" (Jan Brusselaers)	Irene Monasterolo	Haus H 1
	Session "In receipt of cascades: Recommendations for European Resilience" With contributions on CASCADES and RECEIPT policy recommendations by Ruth Townsend and Jaroslav Mysiak	Chris Aylett	Hasselmann Hall A56
10:30 – 11:00	Coffee Break		
11:00 – 12:00	Keynote 5: Marc Zebisch, Lead author of Eurac Research Climate Report and a member of the European Topic Centre on Climate change adaptation and LULUCF (ETC CA)		Hasselmann Hall A56
12:00 – 13:00	Closing Session interactive reflections and surprises, reporting from parallel sessions etc. promote summary outcomes	Piotr Magnuszewski Chris West Christopher Reyer	Hasselmann Hall A56
13:00 – 14:00	Lunch Break		