

Master's Thesis

MSc Geography of Environmental Risks and Human Security

Appointment of Examiners/Supervisors

In accordance with §20 & §21 (2020 Examination Regulations, 7 September 2020),

- When registering their master's thesis, students must indicate their choice of examiner for the master's thesis. They must approach their intended supervisor directly to discuss the subject, and must obtain approval of their thesis proposal from them.
- Master's theses are evaluated and graded by two examiners. The first examiner is the supervisor; the second examiner is appointed by the academic board. Both examiners need to be on the lists below. One examiner must be from GIUB and one must be from UNU-EHS.
- The student is entitled to propose a second examiner; however the final decision is made by the academic board. If no second examiner is suggested by the student, the Examination Office will appoint one once the master's thesis has been submitted in line with the Examination Regulations.

List of Examiners/Supervisors

GIUB – University of Bonn	Research themes	Regions of expertise
Dr. Rainer Bell	Integrative natural hazard and risk analysis and management, cascading hazards and risks; Mountain geomorphology, landslides, floods, permafrost; Early warning systems; GIS, remote sensing and spatial analysis in general	Himalayas (Nepal), Andes, Austria, Germany, Norway, Iceland, China
Prof. Dr. Jessica Budds	Development geography, political ecology, environmental governance, neoliberalisation; Water and sanitation, urban settlements, infrastructure and services, agriculture, mineral extraction, hydroelectric power, ecosystem services; Qualitative methods	Latin America (Chile, Brazil, Peru), South Asia (India), East Africa (Kenya, Ethiopia)
Apl. Prof. Dr. Carsten Butsch	Health; Urbanisation, periurbanisation; Risk; Climate change; Migration	South Asia, Germany
Dr. Juliane Dame	Food security; Water governance; Sustainable development; Environmental resources management; Climate change adaptation; Political ecology; Environmental governance; Agri-food studies	Germany, Latin America, South Asia
Dr. Johannes Dittmann	Development geography, political geography, cultural geography; Environmental politics, adaptation to climate change, coloniality and decolonial theory; Political ecology, policy mobility studies; Ethnography, discourse analysis, quantitative social research	Southern Africa, Eastern Africa
Prof. Dr. Mariele Evers	Ecohydrology and water resource management; Human-water-systems; Flood and drought risk management; Scenario analysis; System dynamic modelling; Nature-based solutions / ESS	Europe, Africa, South East Asia
Prof. Dr. Christian Geiss	Machine learning; Deep learning; Natural hazard risk and impact assessment; Earth observation techniques	Worldwide

Dr. Clarissa Glaser	Hydrological process research; Hydrological modeling; Hydrological field studies; GIS-based hydrological investigations; Groundwater-surface water exchange in streams	Southwest Germany, Eifel, Ardennes, USA (Northwest)
Prof. Dr. Kathrin Hörschelmann	Critical security studies; Cultural geography; Migration; Childhood and youth	Western and Central-Eastern Europe; post-socialist countries
Prof. Dr. Britta Klagge	Energy and infrastructure;	Kenya, Namibia
Prof. Dr. Julian Klaus	Catchment hydrology; Hydrological process research; Hydrological modeling; Isotope hydrology; Ecohydrology	Eifel/Ardennes, Southwest Germany, USA (Northwest, Southeast), Canada (Rocky Mountains)
Prof. Dr. Zbyněk Malenovský	Optical remote sensing observations and modelling; Quantitative imaging spectroscopy of vegetation	Australia, Antarctica, European countries
Prof. Dr. Detlef Müller-Mahn	Development geography; Political ecology; Geographies of the future; Risk research	Middle East and Africa
Dr. Pinar Pamukçu Albers	Hydrological modelling, forest hydrology, hydrological risk assessment and management, ecosystem services, nature-based solutions, greenhouse gas inventories	Europe, Middle East, Asia, North America, Southern Africa
Prof. Dr. Lisa Schipper	Adaptation to climate change; Socio-cultural dimensions of vulnerability; Development geography	Global South
Dr. Michael Schmidt	LandUse/LandCover; Image classification; Time series analysis; Machine learning	
Prof. Dr. Lothar Schrott	Natural hazards and risks; Sediment dynamics; Permafrost and periglacial processes; Mass movements	New Zealand, Argentina, European Arctic

UNU-EHS	Research themes	Regions/Countries of expertise
Sinja Buri	Climate disaster risk finance & insurance (also interlinked with gender, social protection, anticipatory action discussions); Financial inclusion; disaster risk financing solutions and their Implementation	Africa, Pacific, Caribbean, Southeast Asia (Philippines)
Dr. David Daou	AI; Climate modelling; Remote sensing; Drought detection; Data science and analysis; Earth Observation; Programming	Americas (Canada, USA, Mexico, Guatemala, Honduras, Peru, San Salvador); Africa (Ethiopia, Nigeria, Niger); Asia (China, Vietnam, Thailand, Nepal); Middle East (Qatar, Saudi Arabia, Emirates, Bahrein, Syria, Lebanon); Western Europe + Hungary, Cyprus
Dr. David Durand-Delacre	Climate mobilities (concepts, science-policy, politics, discourses and media representations); special interest on planned relocations (case studies, policy development, community engagement, monitoring and evaluation)	n/a
Dr. Flávia Guerra	Mixed-methods research on mindset shifts; New narratives and behavior changes towards urban sustainability transformations in Latin America; Multilevel climate governance approaches; Just transition	Latin America (Argentina, Brazil, Mexico); Europe (Portugal, Germany, France, UK)
Dr. Michael Hagenlocher	Understanding risks (incl. complex, cascading, systemic risks) linked to climate change and (multiple) hazards; Floods; Droughts; Vulnerability and risk assessment; Recovery; Adaptation in multi-risk contexts	Africa (notably Malawi, South Africa, Kenya, Ethiopia, Tunisia, Morocco, Benin, Togo); Asia (notably Vietnam, Indonesia, Thailand); Europe (notably Germany, Austria); South America (Ecuador)

Sönke Kreft	Climate policy; Climate and disaster risk finance; Climate and risk governance; Climate insurance	Caribbean (Jamaica, St Lucia, Grenada, Barbados), Africa: Sierra Leone, Morocco, Tunisia, Ethiopia, Ruanda, Kenya, Tanzania, Lesotho, Asia: Indonesia, Thailand, Vietnam, Philippines, Mexico, Germany
Dr. Navneet Kumar	Climatology; Geoinformatics (remote sensing and GIS); Hydrological modelling; Multi hazard early warning systems (MHEWS); Natural resources management	Himalayas, Ethiopia, Somaliland, India, Algeria, Niger, Mali, Uzbekistan, South Korea
Nazaruddin Puteh	Adaptive social protection; Climate risk insurance	Southeast Asia (Indonesia); the Caribbean (Belize, Trinidad and Tobago, Jamaica, Saint Lucia, and Grenada).
Dr. Jack O'Connor	Ecosystem-based adaptation in marine / coastal areas; Interlinking biodiversity and disaster risk reduction	South-south east Asia, India and Vietnam (increasingly: Indonesia and also Germany)
Dr. Robert Oakes	Climate migration; Health and loss and damage (data/empirics/policy/framing); Children	Pacific Islands
Dr. Olasunkanmi Okunola	Climate disaster risk governance in urban areas and informal settlements, including disaster risk recovery, early warning systems, local knowledge integration within disaster risk reduction and climate change adaptation frameworks; Case studies, policy development, and community engagement	Sub-Saharan Africa, with a particular focus on South Africa, Kenya, and West African countries
Mariam Parekhelashvili	Climate adaptation finance; CDRFI and Gender; Disaster risk finance and ecosystem restoration; Climate risk insurance linked with social protection; Premium subsidy for CDRFI	South Pacific, Caribbean, Africa, Eastern Europe
Dr. Andrea Ramirez	Urban nature-based solutions; Latin America; Urban governance; Strategies for urban sustainability	Latin America (Colombia, Mexico); Spain

Dr. Simone Sandholz	Transformation; Sustainable urban and regional development; Critical green and grey infrastructures; Urban nature-based solutions	Germany, Austria, Brazil, Mexico, Indonesia, Nepal
Dr. Stefan Schneiderbauer	Climate change impact and related risk, particularly with a focus on non-bio-physical aspects; Risk analysis in mountain areas; Methods for risk assessment and evaluation; Local knowledge within DRR / CCA; Risk awareness and risk perception issues	Mountain regions in the Global South, particularly: HKH, Andes, Central Asia, Maloti-Drakensberge (Southern Africa)
Hon.-Prof. Dr. Zita Sebesvari	Ecosystem-based adaptation and disaster risk reduction; Interconnected disaster risk; ecosystem loss and damage, adaptation to sea level rise at the low-lying coast and in river deltas	Low-lying coastal areas in Vietnam, Bangladesh, India and Brazil
Dr. Himanshu Shekhar	Digitalization; Urban risk; Climate change adaptation in urban areas; Science to policy exchange; Urbanization; Wellbeing	South Asia (particularly India and Bangladesh), South America (particularly Chile and Ecuador)
Dr. Stella Shumba	Climate change adaptation in rural contexts; Smallholder farmer vulnerability analysis; Local environmental and resource management; Microinsurance; Locally led anticipatory action; Gender mainstreaming in climate action and energy transitions; Indigenous knowledge and decoloniality in climate solutions; Climate justice	Sub-Saharan Africa, Pacific and Caribbean regions
Edward Sparkes	Adaptation; Climate-resilient development pathways; Systemic and cascading risk assessment; Systemic risk management; Monitoring, evaluation and learning; Impact chain risk assessment	Southern African Development Community (SADC) (Malawi and South Africa in particular), South Asia (India, Nepal, Pakistan, Bangladesh), Europe (UK, Netherlands)

Dr. Lisa Thalheimer	Mechanisms and contextual effects of weather and climate impacts (including cascading and compounding events) on human (im)mobility and risk of conflict; Early and anticipatory action for disaster displaced populations; Application of econometrics and climate change attribution in the context of human (im)mobility	East Africa, especially Somalia
Dr. Kees van der Geest	Human mobility in the context of climate change; Loss and damage	Africa, Asia, Pacific Countries: Ghana, Marshall Islands, Nepal, Bangladesh
Florian Waldschmidt	Climate risk management, Climate risk analytics, non-monetary impacts and basic needs, climate risk adaptation	Vietnam, Indonesia, SSA (Ghana, Ethiopia, Zambia, Niger), Honduras
Dr. Yvonne Walz	Ecosystem-based approaches; Nature-based solutions; Sustainable land management; Loss and damage of ecosystems and ecosystem services	West Africa (Togo, Benin, Ghana, Burkina Faso, Cote d'Ivoire), Ecuador, Peru, Vietnam
Dr. Saskia Werners	Adaptation; climate resilient development pathways; Adaptive management and early action systems; Risks	Europe (Netherlands, Germany, Spain, Eastern Europe), Eastern Africa (Kenya Ethiopia), Asia (India, Nepal, Bangladesh, China)
Christina Natalia Widjaja	Climate policy; Climate and disaster risk finance; Climate and risk governance; Climate insurance	Southeast Asia (Philippines, Laos, Cambodia, Myanmar, Thailand, Vietnam and Indonesia)