

Mountains of Our Future Earth

Perth, Scotland, 4-8 October 2015

Session themes

Future Earth Research Theme 1 (FE1): Dynamic Planet

Future Earth Research Theme 2 (FE2): Global Sustainable Development

Future Earth Research Theme 3 (FE3): Transformations towards Sustainability

RESEARCH PRESENTATION SESSIONS

Research presentation session	Session Chair(s)	Affiliation	FE1	FE2	FE3
Arctic and alpine: How do alpine regions differ from arctic regions?	David Hik	University of Alberta, Canada	X		
The role of alpine cryosphere in endorheic basins of the world	Maria Shahgedanova	University of Reading, UK	X	x	
Global degradation of snow, glaciers, and permafrost	Andrea Fischer	IGF, Austrian Academy of Sciences	X		
High-elevation climate	Nathan Forsythe	Newcastle University, UK	X		
Science-driven community-based approaches for enhanced climate change adaptation capacity	Alton Byers, Daene McKinney	The Mountain Institute University of Texas at Austin, USA	X		
Generating and managing data and knowledge in climate and water resources for climate adaptation	Christian Huggel, Nadine Salzmann, Samuel Nussbaumer	University of Zurich, Switzerland	X		
Palaeo perspectives for guiding future scenarios	Rob Marchant	University of York, UK	X		x
Invasive species in mountain regions	Jonas Lembrechts	University of Antwerp	X		
Monitoring biota in mountaintop environments; a focus on GLORIA activities across different biomes	Harald Pauli, Manuela Winkler	IGF, Austrian Academy of Sciences and BOKU, Austria	X		
Mountain treeline ecotones; threshold dynamics and climatic relationships	Connie Millar David M. Cairns	USDA Forest Service, USA and Texas A&M University, USA	X		
Linking past land use legacies & future land use trajectories in mountain regions	Jacek Kozak, Urs Gimmi, Volker Radeloff	Jagiellonian University, Poland WSL, Switzerland University of Wisconsin, USA	X		
Insights and challenges on modelling future LUCC in mountainous regions	Thomas Houet	GEODE, University of Toulouse, France	X		X

Urbanization in mountain areas in the frame of metropolitisation & global change	Manfred Perlik	EURAC, Italy and CDE, University of Bern, Switzerland	X		
Mountain regions in the vicinity of cities and urban agglomerations	Ariane Walz	Potsdam University, Germany			X
The impacts of the commodification of landscapes, new social actors & uses on the territorial capital of mountain regions (from multilocal dwelling to extraction of raw materials)	Manfred Perlik	EURAC, Italy and CDE, University of Bern, Switzerland	X		
Advances in observatories of mountain social-ecological systems 1	Jan Dick	Centre for Ecology and Hydrology, UK	X		
Mountain social-ecological system dynamics and resilience to global change	Julia Klein, Prakash Tiwari, Tino Johansson	Colorado State University, USA Kumaon University, India ICIPE, Kenya	X	X	X
African mountains & their challenges	Nigel Barker	Rhodes University, South Africa	X	?	?
Mountain ecosystem services, adaptive management and global change	Sam Kanyamibwa, Maria Nijnik, Harald Bugmann	Albertine Rift Conservation Society James Hutton Institute, UK ETH Zurich, Switzerland	X	X	X
Disaster risk reduction	Irasema Alcántara Ayala	National Autonomous University of Mexico, Mexico	X	X	X
Mountain forests: stresses, disturbances and ecosystem services	Georg Gratzer	BOKU, Austria	X	X	X
Farming in mountain areas	Chris Hergarten, Marc Foggin	University of Central Asia		X	X
Transboundary water issues	Jack Shroder	University of Nebraska at Omaha, USA		X	X
Challenges of land use decision-making in an increasingly nested & networked world	Thomas Kohler, Jack Shroder	CDE, University of Bern, Switzerland University of Nebraska at Omaha, USA		X	X
Current assessments of Sustainable Mountain Development	Greg Greenwood	MRI		X	
How can mountain communities adapt to increased extreme weather events?	Hans Schreier	University of British Columbia, Canada			X
Local development initiatives and institutions/governance	Thomas Dax, Thomas Kohler, Thomas	Federal Institute for Mountainous and Less-Favoured Areas, Austria CDE, University of Bern, Switzerland EURAC, Italy	X		X

	Streifeneder				
Social change in mountain regions: How does it happen?	Greg Greenwood	MRI			X
Sacred mountain landscapes and biocultural diversity	Will Tuladhar Douglas	University of Aberdeen, UK	X	X	X
Protected areas as model regions for sustainable development	Axel Borsdorf	IGF, Austrian Academy of Sciences			X
Sustainable tourism development	Carolina Adler Gary Grant	ETH Zurich, Switzerland University of Canberra, Australia		X	X

ROUND TABLE SESSIONS

Round table					
Advances in observatories of mountain social-ecological systems 2	Greg Greenwood	MRI	X		
Key research themes for European mountains	Claudia Drexler	MRI	X	X	X
Guidelines for Future Assessments of Sustainable Mountain Development	Greg Greenwood	MRI		X	
Challenges and advances in cross-scale research of governance in mountain systems	Catherine Tucker Jörg Balsiger Alexey Gunya	Indiana University, USA University of Geneva, Switzerland Russian Academy of Sciences			X
LTSER sites in European mountain areas	Thomas Spiegelberger	IRSTEA, France	X	X	X
Transdisciplinary approaches to sustainability of mountain social-ecological systems under global change	Julia Klein Catherine Tucker Anne Nolin Robin Reid	Colorado State University, USA Indiana University, USA Oregon State University, USA Colorado State University, USA		X	X
What are the key policy venues for mountain regions?	Thomas Hofer	Mountain Partnership Secretariat		X	
Future Earth – An agenda for R&D from a mountain perspective	Hans Hurni, Thomas Kohler	CDE, University of Bern, Switzerland	X	X	X