



CDR Symposium:
**Resilience in Science &
Science in Resilience**

Wednesday 23rd March 2022 - 13:00 to 18:00 CET
ITC – Auditorium and Annex

Programme

Time	Presenter	Title
13:00	Irene Manzella	ITC Science in Resilience; Building a Resilient Community
13:20-13:30	Rolf de By	Geo-Information Processing for Disaster Resilience
13:30-13:40	Ling Chang	Earth Observation Science for Disaster Resilience
13:40-13:50	Richard Sliuzas	Spatial Planning and Land Administration for Disaster Resilience
13:50-14:00	Daphne van der Wal	Water Resources for Disaster Resilience
14:00-14:10	Mark van der Meijde	Applied Earth Sciences for Disaster Resilience
14:10-14:20	Andy Nelson	Natural Resources for Disaster Resilience
14:20-14:40		Questions/Discussion
14:40-15:00		Posters, coffee break and networking
Session 1		Session 1 Hazards Exposure and Vulnerability (15:00 -16:00 CET)
15:00	Pim Post	The links between land system change and distant shocks to the food system
15:03	Chinaporn Meechaiya	Big Earth Data to measure social vulnerability to floods in the Lower Mekong Basin
15:06	Nitheshnirmal Sadhasivam	Precursory and post-failure deformation analysis of landslides using Sentinel-1 SAR imagery
15:09	Kushanav Bhuyan	Application of Complex Artificial Intelligence Models for Landslide Process Investigation
15:12	Akshay Anand	Ecological and social dynamics of lake governance
15:15	Yuanjing Chen	Co-seismic Landslide Susceptibility Modelling Based on the Fibre Bundle Model
15:18	Said Mukhtar Ahmad	Detection of slowly moving Landslides using InSAR analysis in Chitral region NW Pakistan
15:21	Tanuj Pareek	Analyzing the posterior predictive capability of landslide susceptibility maps
15:24	Jeffrey de Vries	Assessing potential disruptions from earthquakes in the historical peninsula of Istanbul using 3D models
15:27	Ashok Dahal	Geo-AI for Spatio-Temporal Modelling of Earthquake Induced Landslide
15:30	Catherine Nabukulu	A Satellite-Based Analysis of Tropical Cyclone Rainfall for Improved Assessment of Induced Flood Hazards
15:33	Sven Christ	Impact of a settlement fire on fire risk perception
15:36		Conclusions and discussion on first session
Session 2:		Risk, management and methodologies in Disaster Resilience (16:00-17:00 CET)
16:00	Yao Li	Urban flood prediction and spatiotemporal analysis based on social media data in Chengdu, China
16:03	Muhammad Aufaristama	Towards the Development of Global Landslide Catalogues: Multitemporal Landslide Detection through Cloud Computing
16:06	Sofia Tilon	Towards Improved Edge-Assisted Unmanned Aerial Vehicle (UAV) Intelligence: A Road Infrastructure Monitoring Use-Case
16:09	Xuetong Wang	Calibrated ensemble precipitation forecasts for reducing potential risks
16:12	Deepshikha Purwar	Managing cascading effects of failed critical infrastructure services at community level.
16:15	Ratna Satyaningsih	Defining dynamic rainfall thresholds for landslide early warning: a meteorological perspective
16:18	Abhishek Mishra	Forensic Analysis of Solid Waste During The 2018 Floods In Kerala (India) And The Health Impact On People, Sanitation Workers And Volunteers
16:21	Junior Kimata	Imaging the Olkaria Geothermal Motor with Ambient Noise Tomography
16:24	Andries Botha	EU Respro: Informing EU resilience from critical raw materials with the use of RS-derived proxies, infilling the intelligence gap prevalent within the CRM mining cycle.
16:27	Yue Dou	Build a resilient food system: mitigating local and distant risks
16:30	Fardad Maghsoudi Moud	Role of copper and copper mining in social and economical resilience
16:33	John Ray	Predicting wildfire burns from big geodata using deep learning
16:36		Conclusions and discussion on second session
17:00	Irene Manzella	Closing
17:00-18:00		Posters, refreshements, drinks and networking

Posters by:	Presenter	Title
	Akshay Anand	Ecological and social dynamics of lake governance
	Gadisa Geremew Negasa	
	Yakob Umer	Flood hazard modelling in the data-scarce region
	Carolina Pereira Marghidan	Assessing the spatio-temporal distribution of extreme heat events in Mozambique using the HR remotely sensed CHIRTS-daily temperature dataset for 1983-2016
	Nitheshnirmal Sadhasivam	Monitoring active deformation of Kadovar volcano during 2020 and 2021 using High Resolution Synthetic Aperture Radar (SAR) Images
	Amira Zaki	Monitoring the land subsidence hazardous area by using the InSAR technique along the Aswan Dam area, Egypt.
	Sofia Tilon	Towards Improved Edge-Assisted Unmanned Aerial Vehicle (UAV) Intelligence: A Road Infrastructure Monitoring Use-Case
	Brian K. Masinde	Accountable Geo-intelligence
	Abhishek Mishra	Forensic Analysis of Solid Waste During The 2018 Floods In Kerala (India) And The Health Impact On People, Sanitation Workers And Volunteers
	Junior Kimata	Imaging the Olkaria Geothermal Motor with Ambient Noise Tomography