

## Poster contributions of the Second International Conference on Natural Hazards and Risks in a Changing World 2021

Poster number	Title	Authors	Accepted for	Status
1-1	Impact of climatic changes and anthropogenic activities on ecosystem's net primary productivity in India during 2001–2019	<u>Bejagam, Vijaykumar; Sharma, Ashutosh</u>	Session 1	online
1-2	Alleviating the Natural Fire Hazard and Sustainability in the Hindu Kush Himalaya Region in India	<u>Halba, Ankush; Vidyarthi, Praveen Kumar; Arora, Pratham</u>	Session 1	online
1-3	Extreme fires and drought in the Amazon rainforest	<u>Thonicke, Kirsten, Ana Cano-Crespo, Dominik Traxl</u>	Session 1	on-site
1-4	What drives phenological changes in the Mediterranean Basin?	<u>Vogel, Johannes; Paton, Eva</u>	Session 1	on-site
1-5	Towards a comprehensive land degradation risk assessment – building on the concept of ecological resilience	<u>von Keyserlingk, Jennifer; Thieken, Annegret; Nora Paton, Eva</u>	Session 1	on-site
2-1	An analysis of the problems with electoral politics in an age of climate change	<u>Ball, Matthew</u>	Session 2	online
2-2	Using panel data to understand the mental health effects of severe flooding in Thua Thien Hue province in Central Vietnam	<u>Bubeck, Philip; Pham, Thi Dieu My; Thieken, Annegret H.</u>	Session 2	on-site
2-3	Impacts of climate change on Cryosphere and hydrological Regimes of Upper Jhelum River Basin of North-western Himalayas	<u>Dar, Tanveer; Rai, Nachiketa; Kumar, Sudhir</u>	Session 2	online
2-4	Towards a probabilistic and globally consistent city-level heat mortality risk assessment	<u>Lüthi, Samuel, Christopher Fairless, Erich M. Fischer, Ana M. Vecedo-Cabrera, David N. Bresch</u>	Session 2	on-site
2-5	Evaluation of a global modeling chain for flood-induced displacement risk	<u>Mester, Benedikt; Willner, Sven N.; Frieler, Katja; Schewe, Jacob</u>	Session 2	on-site
2-6	A global natural hazard risk analysis of critical infrastructure	<u>Nirandjan, Sadhana; Koks, Elco E.; Ward, Philip J.; Aerts, Jeroen C.J.H.</u>	Session 2	on-site
2-7	Beyond population exposure – accounting for vulnerability dynamics in global-scale climate risk assessments	<u>Reimann, Lena; Koks, Elco; de Moel, Hans; Aerts, Jeroen</u>	Session 2	on-site
2-8	Fire Occurrence on the Pantanal Biome in Brazil Between 1998-2020	<u>Rudge Ramos Ribeiro, Rodrigo</u>	Session 2	online
2-9	A Sociohydrological Flood Risk Model for Companies	<u>Schoppa, Lukas; Barendrecht, Marlies; Sieg, Tobias; Sairam, Nivedita; Kriebich, Heidi</u>	Session 2	on-site
2-10	Future flood risk changes in the Danube basin	<u>Schröter, Kai; Steinhausen, Max; Wortmann, Michel; Drews, Martin; Kriebich, Heidi; Hattermann, Fred</u>	Session 2	on-site

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2-11	Changes in flood risk due to the presence of dams in the German part of the Rhine catchment.	<u>Speckhann, Gustavo Andrej</u> ; Nguyen, Viet Dung; Guse, Björn; Kreibich, Heidi; Merz, Bruno	Session 2	on-site
2-12	COASTMOVE ABM	<u>Tierolf, Lars</u> ; Haer, Toon; Botzen, Wouter; Reimann, Lena; de Bruijn, Jens; Aerts, Jeroen	Session 2	on-site
2-13	The impact of natural disasters on internal migration in the US	<u>Ton, Marijn</u> ; de Bruijn, Jens; de Moel, Hans; Aerts, Jeroen	Session 2	on-site
2-14	Reanalysis and observational precipitation products over the upper ganga basin, India	<u>Yadav, Bankim Chandra</u> ; Jain, Kamal; Mishra, Vishal	Session 2	online
3-1	Re-learning observed flood extents can improve remote sensing products	<u>Brill, Fabio</u> ; Schlaffer, Stefan; Martinis, Sandro; Schröter, Kai; Kreibich, Heidi	Session 3	on-site
3-2	Spatio-temporal rainfall variability in Tehri catchment of Himalayan Region, India	<u>Choudhary, Ankush</u> ; Sharma, Bhanu; Goel, Narendra Kumar	Session 3	online
3-3	Clustering of compound flood hazard in deltas and estuaries at the global scale	<u>Couasnon, Anaïs</u> ; Eilander, Dirk; Winsemius, Hessel; Ward, Philip J	Session 3	on-site
3-4	Property-level risk management against pluvial flooding: what do experts say, what do people do?	<u>Dillenardt, Lisa</u>	Session 3	on-site
3-5	Towards globally applicable and locally relevant compound flood risk simulations	<u>Eilander, Dirk</u> ; Couasnon, Anaïs; Leijnse, Tim; Winsemius, Hessel C.; Ward, Philip J.	Session 3	on-site
3-6	Parameter Optimization of fully distributed Hydrological Model (SPHY) using Remote Sensing and Inventory data A CaseStudy of A store River Basin Northern Area of Pakistan	<u>Hassan, Muhammad</u> ; Khan, Aftab Ahmed; Eshrat, Fatima; Fatima Ali, Syeda Saleha	Session 3	on-site
3-7	Spatial modeling of extreme rainfall events in Berlin Brandenburg with a max-stable process.	<u>Jurado de Larios, Oscar E.</u> ; Rust, Henning W.	Session 3	on-site
3-8	United States Flood Trends and Their Drivers	<u>Kemter, Matthias</u> ; Marwan, Norbert; Villarini, Gabriele; Merz, Bruno	Session 3	on-site
3-9	Controls of heavy tail behaviour of floods in Germany and Austria	<u>Macdonald, Elena</u> ; Vorogushyn, Sergiy; Merz, Bruno; Ullrich, Sophie; Guse, Björn; Wietzke, Luzie; Kemter, Matthias	Session 3	on-site
3-10	What controls step changes in flood frequency curves? Insights from a physically-based stochastic model (PHEV!)	<u>Miniussi, Arianna</u> ; Kaule, Lisa; Merz, Ralf; Basso, Stefano	Session 3	on-site

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3-11	Extreme precipitation return levels in gauged and ungauged locations using the simplified MEV distribution: lessons learned from Germany	<u>Miniussi, Arianna</u> ; Marra, Francesco	Session 3	on-site
3-12	Incorporation of multiple disaster risk reduction strategies into a global coastal flood risk assessment framework	<u>Mortensen, Eric</u> ; Tiggeloven, Timothy; Haer, Toon; van Bommel, Bas; Muis, Sanne; Eilander, Dirk; Sperna Weiland, Frederick; le Bars, Dewi; Riemann, Lena; van Beek...	Session 3	on-site
3-13	Tail characteristics control the choice of the ordinary distribution in the Metastatistical Extreme Value approach.	<u>Mushtaq, Sumra</u> ; Miniussi, Arianna; Merz, Ralf; Basso, Stefano	Session 3	on-site
3-14	Changes in European windstorm characteristics	<u>Passow, Christian</u> ; Ulbrich, Uwe; Rust, Henning	Session 3	on-site
3-15	Fluvial and pluvial flood hazard assessment in Lagos, Nigeria, using a hydrological-hydrodynamic model cascade	<u>Pilz, Tobias</u> ; Koch, Hagen	Session 3	on-site
3-16	Quantifying climate and catchment control on seasonal flood across multiple timescales in Europe	<u>Qin, Yanhua</u> ; Sun, Xun; Merz, Bruno	Session 3	on-site
3-17	Accounting magnitude, spatial extent and duration for ranking of extreme precipitation events in Indian Western Himalayan	<u>Raj, Saurav</u> ; Agarwal, Ankit	Session 3	online
3-18	The effects of climate change upon tipping points of tropical extreme events such as MJO	<u>Rostami, Masoud</u>	Session 3	on-site
3-19	Changes in Rhine River flood characteristics at 1.5, 2.0 and 3.0 °C global warming	<u>Rottler, Erwin</u> ; Bronstert, Axel; Bürger, Gerd; Rakovec, Oldrich	Session 3	on-site
3-20	A Convolutional neural network approach for urban pluvial flood susceptibility mapping: A case study in Berlin, Germany.	<u>Seleem, Omar</u> ; <u>Costa, Arthur</u> ; <u>Ayzel, Georgy</u> ; <u>Heistermann, Maik</u> ; <u>Bronstert, Axel</u>	Session 3	on-site
3-21	Glacial Lake Bathymetry Derived from ICESAT-2 and Multispectral Satellite Images: A Case Study on Tso Lhamo Lake, Sikkim Himalaya	<u>Sharma, Ankit</u> ; Vijay, Saurabh; Ilampooranan, Idhaya Chandhiran	Session 3	online
3-22	Development of Inflow Forecast based Warning System for Downstream Reach of Tehri Dam, Uttarakhand, India	<u>Sharma, Bhanu</u> ; ., Ankush; Goel, Narendra Kumar	Session 3	online
3-23	Changing flood generation processes across European catchments	<u>Tarasova, Larisa</u> ; Basso, Stefano; Miniussi, Arianna; Blöschl, Günter; Lun, David; Bertola, Miriam; Kumar, Rohini; Racovec, Oldrich; Samaniego, Luis; Thober, Stephan; Merz...	Session 3	on-site

Poster number	Title	Authors	Accepted for	Status
3-24	EVALUATION OF THE JOINT IMPACTS OF FLUVIAL FLOODS AND STORM SURGES ON THE RISK OF FLOODING IN AN UNGAUGED COASTAL RIVER BASIN	<u>Trinh, Manh Xuan</u> ; Molkenthin, Frank	Session 3	online
3-25	Modeling seasonal variations of extreme rainfall on different time scales in Germany	<u>Ulrich, Jana</u> ; Fauer, Felix S.; Rust, Henning W.	Session 3	on-site
3-26	Identifying drivers of hydrological hazards of river basins in spatial heterogeneities of rainfall and catchment attributes	<u>Wang, Hsing-Jui</u> ; Yang, Soohyun; Merz, Ralf; Basso, Stefano	Session 3	on-site
4-1	Multi-Hazard Risk Assessment of Schools of Dehradun District	<u>Chouhan, Shivani</u> ; Narang, Aishwarya; Mukherjee, Mahua	Session 4	online
4-2	When science meets standardization: the case of the national seismic hazard assessment for Germany	<u>Cotton, Fabrice</u> ; Weatherill, Graeme; Bosse, Christian; Grünthal, Gottfried; Iturrieta, Pablo	Session 4	on-site
4-3	Temporal Variations, recovery and in-situ stress-strain behavior of shallow materials during the Kumamoto earthquake sequence	<u>D. D. Esfahani, Reza</u> ; Cotton, Fabrice; Bonilla, Fabian	Session 4	on-site
4-4	Rabotnik – An asynchronous and flexible data and task management ecosystem	<u>Delattre, Felix</u> ; <u>Kriegerowski, Marius</u> ; Schorlemmer, Danijel	Session 4	on-site
4-5	Tile- and building-by-building-based damage calculations	<u>Evaz Zadeh, Tara</u> ; Nievas, Cecilia; Schorlemmer, Danijel	Session 4	on-site
4-6	OBMGapAnalysis - Automatic building completeness assessment with open settlement datasets	<u>Garcia Ospina, Nicolas</u> ; Schorlemmer, Danijel	Session 4	on-site
4-7	Liquefaction of stratified soil under initial static shear stresses	<u>Jain, Arpit</u> ; <u>Mittal, Satyendra</u> ; Shukla, Sanjay Kumar	Session 4	online
4-8	Quadtree based multi-resolution grids for global earthquake forecast experiment	<u>Khawaja, M. Asim</u> ; Schorlemmer, Danijel; Hainzl, Sebastian; Iturrieta, Pablo; H. Savran, William	Session 4	on-site
4-9	Increasing computational efficiency of seismic risk analysis for infrastructure networks	Lilienkamp, Henning; <u>Velásquez, Hugo Fernando Rosero</u> ; Zapata, Juan Camilo Gómez	Session 4	on-site
4-10	Effects of large aftershocks in spatial distribution of 2017-2019 western Iran sequence	<u>Maleki Asayesh, Behnam</u> ; Zafarani, Hamid; Hainzl, Sebastian; Sharma, Shubham	Session 4	on-site
4-11	Robust, an Earthquake Early Warning System in the Lower Rhine Embayment, Germany	<u>Najdahmadi, Bit</u> a; Pilz, Marco; Bindi, Dino; Razafindrakoto, Hoby Njara Tendrisoa; Oth, Adrien; Cotton, Fabrice	Session 4	online

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4-12	Inside the Global Dynamic Exposure model: bringing together aggregated models and crowd-sourced building-level data	<u>Nievas, Cecilia I.</u> ; Schorlemmer, Danijel	Session 4	on-site
4-13	Clickpleteness – How to assess the degree of completeness of building stock data in OpenStreetMap	<u>Prehn, Karsten</u> ; Schorlemmer, Danijel	Session 4	on-site
4-14	Developing methods to resolve the computational challenges in probabilistic tsunami hazard and risk assessment	<u>Ragu Ramalingam, Naveen</u> ; Martina, Mario	Session 4	on-site
4-15	Global Dynamic Exposure and the OpenBuildingMap – A Crowd-Sourced Approach to Disaster Risk Assessment and Reduction	<u>Schorlemmer, Danijel</u> ; Cotton, Fabrice; Delattre, Felix; Evaz Zadeh, Tara; Fleming, Kevin; Garcia Ospina, Nicolas; Hirata, Naoshi; Kriegerowski, Marius; Nievas, Cecilia; P...	Session 4	on-site
4-16	A census-derived aggregated exposure model (AEM) for Japan	<u>Shinde, Simantini</u> ; Fleming, Kevin; Nievas, Cecilia; Schorlemmer, Danijel	Session 4	on-site
4-17	Application of Permutation Entropy for characterizing the precursory phase of the 2014/2015 Holuhraun eruption, Iceland	<u>Sudibyo, Maria R. P.</u> ; Eibl, Eva P.S.; Hainzl, Sebastian	Session 4	on-site
5-1	Tracing alluvial sediments using geophysical surveying, Braunsbach, Germany.	<u>Arboleda-Zapata, Mauricio</u> ; Guillemoteau, Julien; Lucía, Ana; Tronicke, Jens; Korup, Oliver	Session 5	on-site
5-2	Landslide and torrential flow susceptibility conditions regarding landscape evolution in the northern Colombian Andes	<u>Aristizabal, Edier Vicente</u> ; <u>Naranjo Bedoya, Karolina</u> ; García, John Kleider; Aguilar Lema, Asaf Joel; Castillo Cardona, Emanuel; Sierra, Mariana	Session 5	on-site
5-3	Definition of Rainfall Thresholds for Shallow Landslides in Colombian Tropical Mountainous Terrains	<u>Aristizábal, Edier</u> ; Garcia-Aristizábal, Edwin; <u>Jaramillo-González, Ricardo</u> ; Castillo, Emanuel; Martinez, Luis	Session 5	on-site
5-4	Seismic constraints on rock damaging and stick-slip motion at the Hochvogel, Alps	<u>Dietze, Michael</u> ; Krautblatter, Michael; Illien, Luc; Hovius, Niels	Session 5	on-site
5-5	Outburst flood risk assessment for the Pokhara Valley, Nepal	<u>Fischer, Melanie</u> ; Lehnigk, Karin; Lützwow, Natalie; Brettin, Jana; Veh, Georg; Korup, Oliver; Walz, Ariane	Session 5	on-site
5-6	Monitoring and modelling the aftermath of landslide events	<u>Francis, Oliver Richard</u> ; Tang, Hui; Turowski, Jens M.; Cook, Kristen L.; Andermann, Christoff	Session 5	on-site

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5-7	Exploiting high-resolution InSAR Rate Maps to the Fullest: Landslides, Fault Slip and Groundwater Changes in Northeastern Afghanistan	Kakar, Najibullah; Metzger, Sabrina; Bookhagen, Bodo	Session 5	on-site
5-8	Sensitivity of landslide susceptibility or hindcast models: role of baseline landslide inventory and grid rainfall precision	<u>Ozturk, Ugur</u>	Session 5	on-site
5-9	Landslide Geometry Reveals its Trigger	<u>Rana, Kamal; Ozturk, Ugur; Malik, Nishant</u>	Session 5	on-site
5-10	Suspended sediment and discharge dynamics across multiple spatial and temporal scales in a glaciated alpine environment: the case of the upper Ötztal, Austria	<u>Schmidt, Lena Katharina; Francke, Till; Blume, Theresa; Achleitner, Stefan; Bronstert, Axel</u>	Session 5	on-site
5-11	Flash-flood induced Erosion-Prone Area Prioritization and Potential Soil Loss Estimation using RUSLE for Alaknanda River Basin	<u>Singh, Sachchidanand; Kansal, Mitthan Lal</u>	Session 5	online
5-12	Bed non-uniformity effects on the flow resistance equations in high-gradient streams	<u>Yadav, Anshul; Sen, Sumit; Mao, Luca; Schwanghart, Wolfgang</u>	Session 5	online
6-1	Complex network approach to study the impacts of ENSO over the United States	<u>Banerjee, Abhirup; Goswami, Bedartha; Marwan, Norbert; merz, Bruno; Kurths, Juergen</u>	Session 6	on-site
6-2	Integrating evidence-based dynamic flood precautionary behaviour in an agent-based modelling approach	<u>Berghäuser, Lisa; Bubeck, Philip; Thieken, Annegret H.</u>	Session 6	online
6-3	Complex Network Analysis of Synchronized Extreme Precipitation during the Australian Summer Monsoon	<u>Cheung, Kevin; Ozturk, Ugur</u>	Session 6	online
6-4	Combining system dynamics modeling with Bayesian Network modeling for assessing water scarcity in Iran	<u>Dehghani, Sara; Massah Bavani, Alireza; Roozbahani, Abbas</u>	Session 6	on-site
6-5	A general framework for impact assessments of compound dry-hot events on different sectors based on vine copula	<u>Feng, Sifang; Hao, Zengchao</u>	Session 6	on-site
6-6	Multiscale SST streamflow connectivity via wavelet complex network techniques	<u>Ganapathy, Abinesh; Guntu, Ravi Kumar; Ozturk, Ugur; Merz, Bruno; Agarwal, Ankit</u>	Session 6	online
6-7	Disentangling increasing compound extremes at regional scale during Indian Summer Monsoon	<u>Guntu, Ravi Kumar; Agarwal, Ankit</u>	Session 6	on-site
6-8	Accounting for temporal variability for improved precipitation regionalization based on self-organizing map coupled with information theory	Guntu, Ravi Kumar; <u>Agarwal, Ankit</u>	Session 6	on-site
6-9	Identifying the meteorological drivers of yield variability in Europe	<u>Heinke, Jens; Müller, Christoph; Andersen, Lauren</u>	Session 6	on-site

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6-10	Understanding compound events in fragile contexts: Examples from the Horn of Africa	Matanó, Alessia; Van Loon, Anne; de Ruiter, Marleen; Koehler, Johanna; Ward, Philip	Session 6	on-site
6-11	Lifelines, Losses, Livelihoods: An end-to-end risk modelling chain for loss of b	Mühlhofer, Evelyn, Elco Koks, Giovanni Sansavini <sup>4</sup> , David N. Bresch	Session 6	on-site
6-12	Heat Waves Occurrence Analysis Between 2017-2020 in São Paulo, Brazil	<u>Rudge Ramos Ribeiro, Rodrigo</u>	Session 6	online
6-13	Exploratory agent-based model to understand migration in Indian Himalaya Region	<u>Sharma, Divya</u>	Session 6	online
6-14	Capturing the drivers and dynamics of adaptation strategies in mountain agriculture communities	<u>Shukla, Roopam</u>	Session 6	on-site
6-15	Agent-based socio-hydrological model for analysing human-drought feedbacks in dryland regions	<u>Streefkerk, Ileen</u> ; van Loon, Anne; Haer, Toon; de Bruijn, Jens; Aerts, Jeroen	Session 6	on-site
6-16	Synchronicity of heavy rainfall induced by atmospheric rivers over North America	<u>Vallejo-Bernal, Sara M.</u> ; Wolf, Frederik; Boers, Niklas; Marwan, Norbert; Kurths, Jürgen	Session 6	on-site
6-17	Towards a multi-risk, multi-sector, systemic approach to risk management	<u>Ward, Philip</u> ; de Ruiter, Marleen; Koks, Elco; Couasnon, Anais	Session 6	on-site