
[E] Poster | H (Human Geosciences) | H-DS Disaster geosciences

[H-DS06]Natural hazard impacts on human society, economics, and technological systems

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Sat. Jun 5, 2021 5:15 PM - 6:30 PM Ch.10

The last decade set a record for the number and scale of natural disasters and demonstrates high vulnerability of human society, economics, and ecosystems to their impacts. The most serious consequences have the so-called natural-technological disasters in which natural hazards trigger accidents at technology and infrastructure such as nuclear power and chemical plants, oil refineries and pipelines, power supply systems, buildings, roads, and railways. A distinctive feature of natural-technological events, such as of the 2011 Tohoku earthquake, is their multi-hazard and synergistic nature, which creates cascading impacts, resulting in simultaneous occurrences of myriad catastrophes. The main goal of this multidisciplinary session is to summarize case studies of relationships between natural hazards and technological disasters, their social and economic consequences; and to encourage a discussion about tools and methods to prevent disasters and to minimize their consequences, disaster reconstruction, and tourism for reconstruction, Eco-DRR, and green infrastructure.

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[HDS06-P01]Introduction