



## Alexandre Dunant

# Modeling Cascading Multi-Hazards: Network Approaches to Complex Risk

Natural hazards rarely occur in isolation. They unfold as complex cascades of interconnected phenomena, where interactions alter impacts beyond what single-hazard assessments can reveal. Multi-hazard risk theory is emerging alongside the capacities to substantiate them with data. Dr. Alexandre Dunant will explore how to quantify complex risk via network-based simulations amidst deep uncertainty and non-ergodic systems.