



Where, when and why does earthquake hazard turn to become a disaster?

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This presentation highlights the importance of analysis and understanding of contributing components to earthquake disaster risk and tries to answer the questions highlighted in the title of the paper. The basic goal of such an analysis should be a society without disasters. Observing and modelling capabilities to reduce uncertainties in forecasting large earthquakes would be discussed. A novel approach to probabilistic seismic hazard analysis will be presented and compared to the current approach. Vulnerability's and hazard's contributions to earthquake risk would be analysed. I would consider the economic and political factors as well as the factors of awareness and preparedness, which brought about the humanitarian tragedies of the early XXI century, and discuss trans-disciplinary approach to disaster risk research.