



ALERT: Anatolian Plateau climate and Tectonic hazards



Institut für Erd- und Umweltwissenschaften

The Department of Earth and Environmental Sciences and the EU-sponsored ALERT initiative cordially invite you to a lecture by Prof. Roger Bilham, CIRES, Boulder, USA

The seismic future of cities

Abstract: The final projected doubling in Earth's population in the next half century requires an additional 1 billion housing units, more dwellings constructed in a single generation than at any time in Earth's history. Earth's tenfold increase in population has occurred during a time that is short compared to the return time of damaging earthquakes. In the next century, therefore, earthquakes that had little impact on villages and towns, will be shaking urban agglomerations housing upwards of 12 million people. An epicentral hit on a megacity has the potential to cause 1 million fatalities. The incorporation of earthquake resistant structures in the current global building boom, despite successes in the developed nations, has been neglected in the developing nations where historically earthquake damage has been high. The reasons for this neglect are attributed to indifference, ignorance and corrupt practices, not due to an absence of engineering competence. Never has a generation of earthquake engineers been faced with such a grave responsibility to exercise their skills, both political and technical, as now.

Date: March 27, 2015

Time: 11:15 a.m.

Location: University of Potsdam - Campus Golm, House 14, Room 0.108

The lecture will be followed by a get-together with snacks and drinks. Everybody is welcome, please come and join us!

Sincerely,
Manfred Strecker