

SAN BERNARDINO COUNTY MUSEUM

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News Release

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California's Other "Big One"

Landslides and debris flows. Coastal inundation and flooding. Infrastructure damage. Pollution. Dr. Lucy Jones will give a guest lecture about the ARkStorm Scenario at the San Bernardino County Museum in Redlands on Wednesday, January 25 at 7:30 p.m. The lecture is free and open to the public.

The ARkStorm scenario describes catastrophic flooding resulting from a month-long deluge like was seen in 1862, and four larger such events in the past 100 years. This type of storm, resulting from atmospheric rivers of moisture, is plausible, and a smaller version hit San Bernardino in December of 2010 with a week's worth of rain that impacted Highland and the surrounding communities. The ARkStorm Scenario explores the resulting impacts to our social structure and can be used to understand how California's "other" Big One can be more expensive than a large San Andreas earthquake.

Dr. Lucy Jones has been a seismologist with the US Geological Survey and a Visiting Research Associate at the Seismological Laboratory of Caltech since 1983. She currently serves as the Science Advisor for the Natural Hazards Mission of the US Geological Survey, leading the long-term science planning for natural hazards research. She also leads the SAFRR Project: Science Application for Risk Reduction to apply USGS science to reduce risk in communities across the nation.

Dr. Jones has written more than 90 papers on research seismology with primary interest in the physics of earthquakes, foreshocks, and earthquake hazard assessment, especially in southern California. She serves on the California Earthquake Prediction Evaluation Council and was a Commissioner of the California Seismic Safety Commission from 2002 to 2009. She has

received numerous awards, including the Alquist Award from the California Earthquake Safety Foundation and the Shoemaker Award for Lifetime Achievements in Science Communication from the USGS.

The San Bernardino County Museum is at the California Street exit from Interstate 10 in Redlands. Parking is free. For more information, visit www.sbcountymuseum.org. The museum is accessible to persons with disabilities. If assistive listening devices or other auxiliary aids are needed in order to participate in museum exhibits or programs, requests should be made through Museum Visitor Services at least three business days prior to your visit. Visitor Services' telephone number is 909-307-2669 ext. 229 or (TDD) 909-792-1462.

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