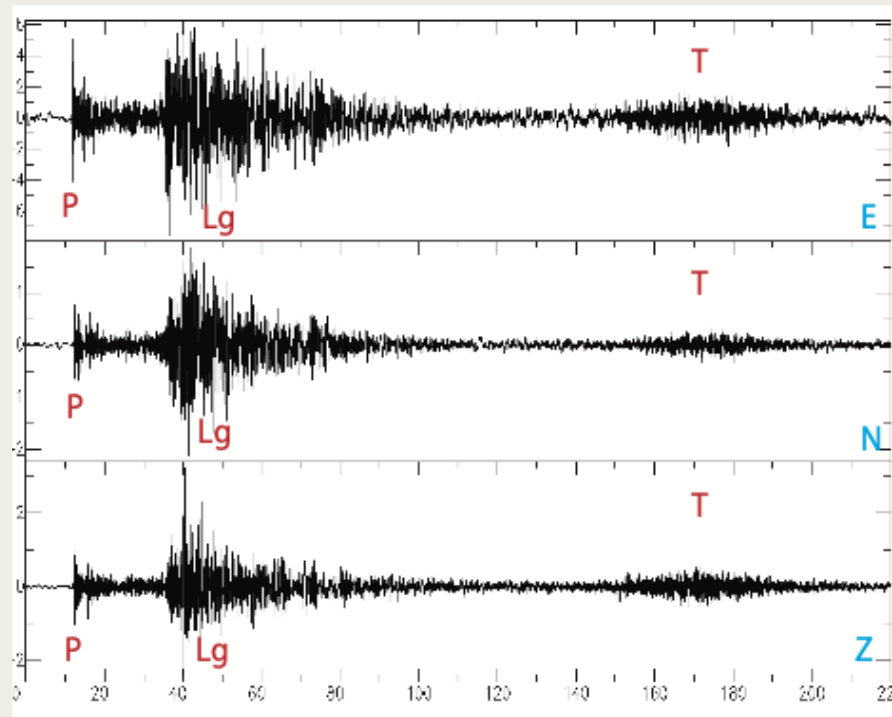


Charlotte Rowe  
Los Alamos National Laboratory, U.S.A.

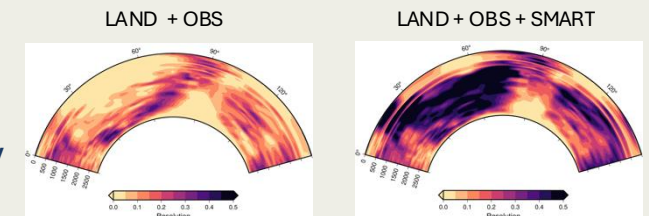
Dr. Rowe is a research seismologist whose specializations are waveform signal processing, event detection methods, tomographic inversion and precise event location.

Her early career focused on local monitoring of erupting volcanoes. For the last 23 years she has extended her research to regional and teleseismic observations, applying both seismic and hydroacoustic methods to nuclear explosion monitoring. She serves on the International Joint Task Force for Science Monitoring And Reliable Telecommunications (SMART) Cables.

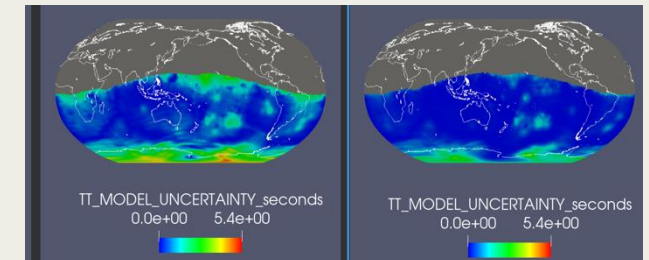


Left: seismic and hydroacoustic phases observed by a SMART sensor

Right: global model resolution and travel-time uncertainty improvements with SMART Cables.



MODEL RESOLUTION



TRAVEL TIME UNCERTAINTY AT STATION SBA