











Thomas W. Smith, F.ASCE, CAE,
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The Engineer's Role in Managing Risk and Uncertainty

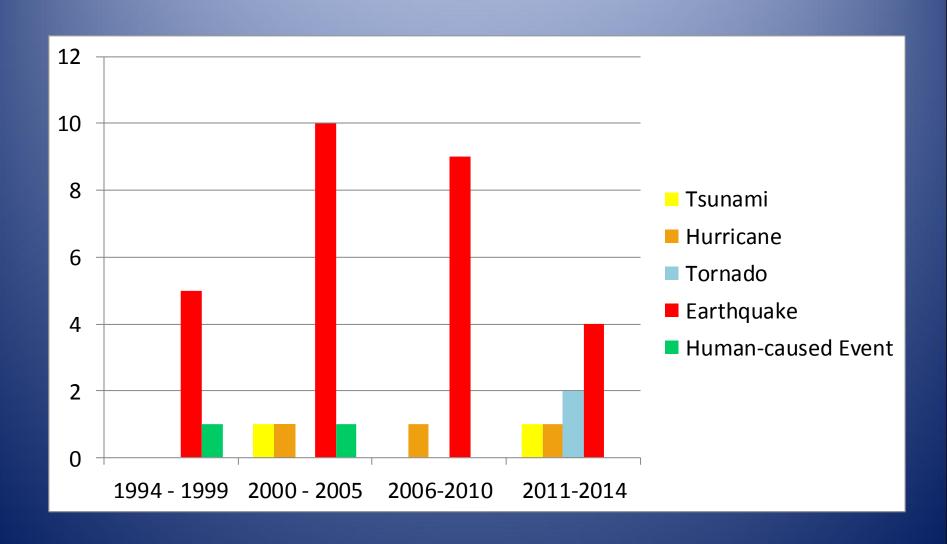
November 19, 2014

Lessons Learned

Johnstown Flood of 1889



ASCE Disaster Involvement



Global Response



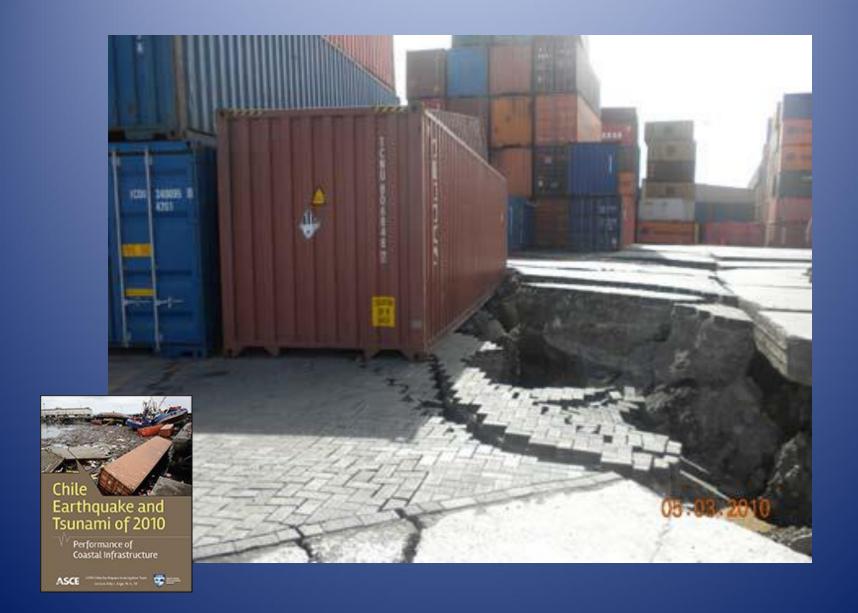
Disaster Response Assessment Teams



Emergency Management Phases



Lessons Learned from Chile



Lessons Learned from Katrina



Lessons Learned from Katrina



Outcomes in New Orleans

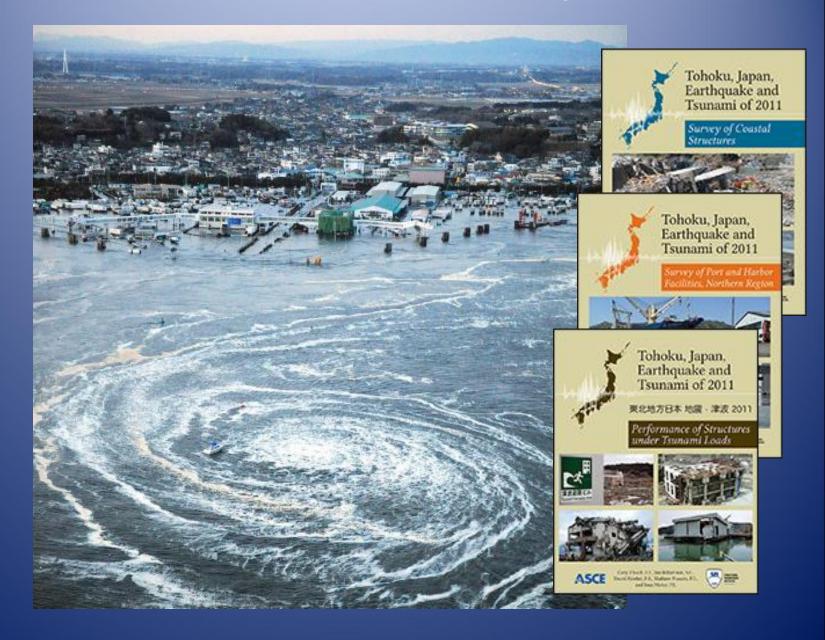


Lessons Learned from the Philippines



A sample of the devastation wrought by Typhoon Haiyan in Tacloban, Philippines.

Lessons Learned from Japan

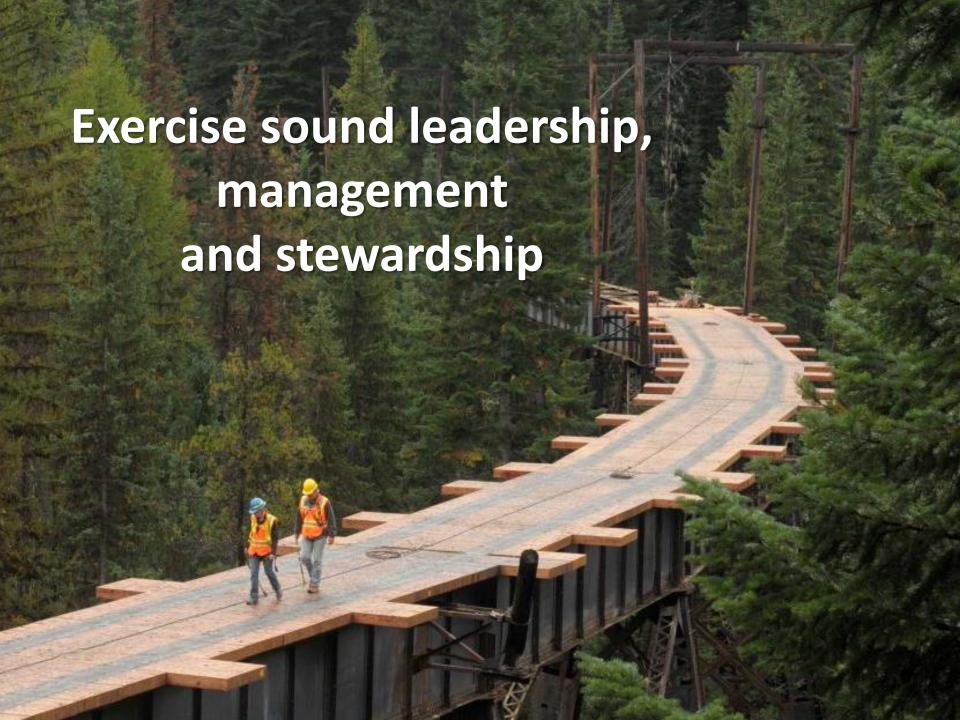


Goal: Resilience











Implementation



Global Connection





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