

Introduction



Time line

- Statement: FDHA requires improvement of database
- 1st workshop (Paris-2015): 20 geologists, from USA, Japan, NZ, Europe, South America
- 2nd workshop (Menlo Park): >100 geologists & engineers from more countries

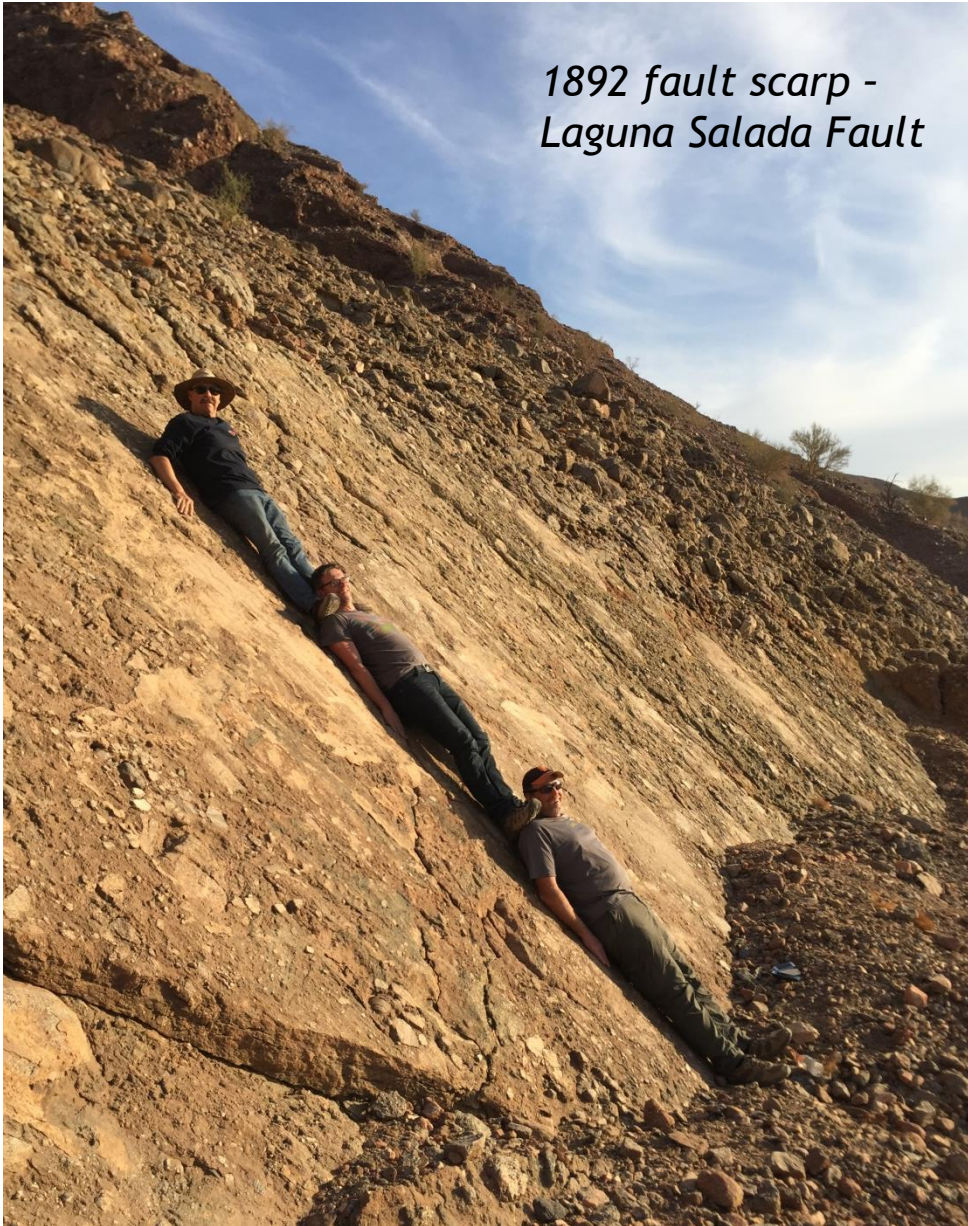
Objectives

- Create a unified database merging existing ones and preparing for implementation of (high-tech) modern earthquakes
- Include primary and distributed ruptures

To be successful

- SURE (SURfaceRuptureEarthquakes) DB will need...

*1892 fault scarp -
Laguna Salada Fault*



A collaborative effort...

Research Institutes
(Tom Rockwell)

Governmental organizations
(Stephane Baize)

Consulting entities
(Martin Siem)

Schedule: 3 sessions

Thursday

- Session I: Lessons learned from recent earthquakes
- Session II: Observational data for the Surface Rupture during Earthquakes (SURE) Database

Friday

- Session III: Application and Advances in Deterministic and Probabilistic Fault Displacement Hazard Analysis
- Flash-Talks
- Session IV: Moving Forward

Time for discussion at the end of each session