

Southern San Andreas Fault Evaluation (SoSAFE) Project

First Workshop - Convenor: Ken Hudnut

Southern California Earthquake Center; USC, Los Angeles

Monday, 8 January 2007 9:30-18:00

Tuesday, 9 January 2007 7:00-17:00

SCEC3 Science Priority Objective A1:

“Define slip rate and earthquake history of southern San Andreas fault system for last 2000 years”

Goal: The newly formed SCEC Southern San Andreas Fault Evaluation (SoSAFE) Project will increase our knowledge of slip rates and paleo-event chronology for the past two thousand years on the southern San Andreas fault system. From Parkfield to Bombay Beach, and including the San Jacinto fault, the objective is to obtain new data to clarify and refine relative hazard assessments for each potential source of a future 'Big One.' This initial workshop is an opportunity for participants to coordinate and prioritize work proposed in response to the SCEC RFP, and to facilitate future collaborations in the broader context of a decade-long series of interdisciplinary, integrated and complementary studies on the southern San Andreas fault system. We will also commemorate the 1857 Fort Tejon earthquake, a reminder that our collaboration in SCEC and in the SoSAFE Project does matter to our society that has 'put down roots' during the past 150 years.

Agenda – Day 1: Andrus Gerontology Center (Room 224)

9:30	<i>Continental Breakfast</i>	
10:00	<i>Introduction to the SoSAFE Project Workshop:</i>	Ken Hudnut
10:00	- SoSAFE Workshop Objectives, Format and Agenda	
10:30	- Question & Answer about Funding Issues, etc.	
10:40	<i>Group Discussion of SoSAFE Elements:</i>	
10:45	- Carrizo Group	Lisa Grant
11:00	- Mojave Group	Tom Fumal
11:15	- San Bernardino Group	Sally McGill
11:30	- Coachella Valley Group	Gordon Seitz
11:45	- <i>Initial Q&A on the San Andreas</i>	
12:00	<i>Lunch – continue to discuss San Andreas during lunch</i>	
13:00	<i>Group Discussion of SoSAFE Elements:</i>	
13:00	- San Jacinto Fault Zone Group	Susanne Janecke
13:15	- <i>Initial Q&A on the San Jacinto (and SAF, cont'd)</i>	
13:30	- GeoEarthScope	David Phillips
13:45	- Radiocarbon Dating, etc. (emphasizing event dates)	Gordon Seitz
14:00	- U-Series Dating (emphasizing long-term slip rates)	Warren Sharp
14:15	- B4: High-Res. LiDAR Data for the SoSAFE Project	Ken Hudnut
14:30	- GEON LiDAR Workflow for B4 Data Access	Ramon Arrowsmith
14:45	- <i>Group Discussion on all SoSAFE Elements</i>	
15:30	<i>Coffee & Tea</i>	
15:45	<i>Discussion of Future Collaborative Proposals:</i>	
	- Collaborative Proposal Development	Tom Jordan and Ken Hudnut
17:45	<i>Set dates for meetings & next SoSAFE Workshop</i>	
18:00	<i>Go around the room & adjourn</i>	

Agenda – Day 2: Davidson Conference Center

7:00	Continental Breakfast (Board Room)	
8:00	“Shift Happens – Dare to Prepare” Press Conference (Embassy Ballroom)	<i>Contacts: Lucy Jones and Mark Benthien</i>
8:00	- Commemoration of the 1857 Fort Tejon Earthquake	
8:50	- “Secure Your Space” Shake Trailer Demonstration (Outside Davidson)	
9:10	- Discussion time for interaction between policy- makers, emergency responders, and scientists	
10:00	The SoSAFE Project Workshop (continued):	
10:00	- Introductory Remarks	Pat Leahy
10:05	- The USGS Multi-Hazards Initiative	Lucy Jones
10:25	- SoSAFE and the M_w 7.8 ‘ShakeOut’ Scenario	Ken Hudnut
10:45	- Scenario Modeling Lessons from ‘1906’ Experience	Brad Aagaard
11:05	- Modeling Great San Andreas Event Ground Motions	Tom Jordan
11:25	- Will Buildings Collapse?	Swami Krishnan
11:45	- Development Along the San Andreas and San Jacinto faults: the Alquist-Priolo Act	Jerry Treiman
12:05	Lunch Break	
13:00		
13:00	- Uncertainty in Geodetic Slip Rate Estimation	Rick Bennett
13:20	- Historical Accounts of the 1857 Earthquake	Duncan Agnew
13:40	- 1857 and Earlier Slip Events in the Carrizo Plain	Lisa Grant
14:00	- Full Sequence of San Andreas Paleo-earthquakes	Tom Fumal
14:20	- Statistical Analysis of Paleo-earthquake Data	Glenn Biasi
14:40	- The San Bernardino Section – Complexities	Sally McGill
15:00	Discussion Topics:	
	- Tuning and finalizing the M_w 7.8 scenario event slip distribution, fault geometry, etc.	
	- What to do in case of <i>no</i> SoSAFE funds (or various levels of cuts) in FY07? (definitely will need to recommend priority of work and funding levels to the SCEC Planning Committee for Jan. 15 mtg.)	
	- How broad can SoSAFE afford to be? Must we focus on ‘A1’ SCEC Science Priority Objective?	
	- What are scientific priorities of this community?	
	- What group resources are needed? (e.g., travel support for field coordination, computers to make use of B4 Project LIDAR data, geochronology sample preparation facilities, shoring, other?)	
16:45	Confirm future meeting dates, and go around the room	
17:00	Adjourn	
