

# CSEP Workshop Objectives

1. Understand the significance of the results from the Regional Earthquake Likelihood Models (RELM) initiative.
2. Draw lessons from RELM for current and future CSEP forecast evaluations for improving forecasting models, evaluation designs and performance metrics.
3. Evaluate the current status of global CSEP activities to identify opportunities for collaborations and funding.
4. Identify and discuss new forecast evaluation designs:
  - for improved testing of short-term forecasts
  - for forecasts of finite-size ruptures
  - for externally registered forecasts and predictions
5. Discuss the implementation, operation and validation of operational earthquake forecasts.

# Agenda

## Wednesday

- Session 1: First-Order RELM Results
- Session 2: Further RELM Results
- Session 3: Reports on Regional CSEP Activities
- Session 4: Beyond RELM – the Future of Forecasting

## Thursday

- Session 5: Beyond RELM – the Future of Forecasting (continued)
- Session 6: Overview, Purpose and Scope of OEF
- Session 7: Next Steps for OEF – Sooner Rather Than Later
- Session 8: When Models and Data Keep Changing
- Session 9: Wrap-Up and Recommendations

The background image is a horizontal strip showing a city skyline on the left, a group of people in white shirts and hats in the middle, and a solar panel and a white dome structure on the right.

# Alphabet Soup

SCEC	Southern California Earthquake Center
RELM	Regional Earthquake Likelihood Models
CSEP	Collaboratory for the Study of Earthquake Predictability
OEF	Operational Earthquake Forecasting
ETAS	Epidemic Type Aftershock Sequences
STEP	Short Term Earthquake Probabilities
WGCEP	Working Group on California Earthquake Probabilities
UCERF	Uniform California Earthquake Rupture Forecast
NSHM	National Seismic Hazard Map
NEPEC	National Earthquake Prediction Evaluation Council
REAKT	Real-time EArthquake risk reducTION (EU-funded project)