

CSEP PRIORITIES and ACTION PLAN

URGENT

EFPs: email correspondence with prototype EFPs (Schorlemmer), tailor forecast formats, priorities: M8, Quakefinder in California, reference models (global cookie-cutters - polygons), TIR – Valerio Tramutoli (example of forecast)

Re-evaluate Computing needs for EFPs: how much registration/storage/server space required for EFPs?

Results viewer

reference models

- KJSS long-term and short-term model

- Generating reference models for alarm-based polygons (Zechar)

- Generate time-dependent reference models for alarm-based polygons

revise forecast format: Poisson -> full distribution

reducing testing interval

- 30 mins?

- Calculation time? Takes 1hr to generate forecasts, 8hrs to evaluate (parallelize evaluations? -> 2.5hrs)

- Asynchronous model classes: run 30min class asynchronously

High-resolution global time-dependent earthquake forecasting: also as reference models against EFPs, cookie-cutters

Short-term testing: global collaborations, Japan, GFZ, SCEC

Optimize T/W tests (D. Rhoades - NZ)

Cross-model-group evaluations

Quarterly (?) evaluations as opposed to daily evaluations?

Retrospective Christchurch experiment (REAKT project, funding? Timeline? Deadline for model installation Sep 30, 2013)

SCEC-USGS CSEP Working Group: extra personnel to operate CSEP? Separate operations from development

less urgent:

richer set of tests

exploring event-based experiments

uncertainties (NonLinLoc 3D clouds ->results): Zechar

Time-varying completeness model (after large quakes): Schorlemmer & Field

Outreach efforts

“tinyCSEP”, outreach tools/tutorials with case studies, (in CORSSA?)

CORSSA article for likelihood-based tests available