

EFP Prototype 1: M8

Main contact: Volodya Kossobokov

Type of EFP:
External computer

Meta-data:

Nature of forecast:

Region of forecast:
Lat/lon + radius

Depth of forecast:
All depths

Magnitude range:
7.5+ and 8+ (two separate predictions)

Validation data source:
Maximum of PDE-reported magnitudes

Duration of forecast:
6 months GMT

Confidence levels:

Termination of forecast:

Communication protocol:
Single file
Every 6 months
No cancelations

"heartbeat" protocol:

privacy:
password-protected website - > not public

acceptance tests:
tbd

EFP Prototype 2: Quakefinder

Main contact: Tom Bleier & Clark Dunson (CSEP-liaison)

Type of EFP:

alarm-based, TIP and no-comment default

Meta-data:

Author

Forecast ID

Time and date of EFP

Power-point slides

Stations reporting

State of the instruments

Nature of forecast:

TIP (one or more earthquakes)

Region of forecast:

California (start), Taiwan, Peru, Greece (phased?)

Point (lat/lon) + radius

Depth of forecast:

50km or less

Magnitude range:

specified in individual predictions, about M5+ (lower for retrospective tests)

Validation data source:

Global ANSS catalog

Duration of forecast:
Window in UTC

Confidence levels:
probabilities

Termination of forecast:
When the prediction ends

Communication protocol:
One file, manual, maybe webform, xml file, tarball

Cancellation protocol:
Yes,
"heartbeat" protocol:

privacy requirements:
internal to CSEP

other:
multi-channel forecasts?
Retrospective testing

EFP Prototype 3: Seismo-Ionosphere GPS/TEC Anomaly

Main contact: Tiger Liu (CSEP-liaison)

Type of EFP:
TIP and no-TIP

Meta-data:
Forecast ID, author
Map(?)
Local time

Possibly a multi-method alarm?

Nature of forecast:

Region of forecast:

Rectangular Lat/lon window polygon

Depth of forecast:

0-40km (to be determined)

Magnitude range:

M5.0+

Validation data source:

CWB Taiwan (if need be: USGS/PDE)

Duration of forecast:

Fixed 1-5 days

Confidence levels:

Termination of forecast:

Communication protocol:

Automated, password protected?

Yes/no

"heartbeat" protocol:

cancelation protocol:

no need

modification protocol:

privacy requirements:

default (open)

EFP Prototype 4: Thermal IR Anomalies

Main contact: Valerio Tramutoli

Type of EFP:

Meta-data:

Nature of forecast:

Region of forecast:

Depth of forecast:

Magnitude range:

Validation data source:

Duration of forecast:

Confidence levels:

Termination of forecast:

Communication protocol:

"heartbeat" protocol:

EFP Prototype 4: IR anomalies Valerio Tramutoli

EFP Prototype 5: Doug Rekenhaller

EFP Prototype 6: Menas Kafatos