

ShakeAlert – Application for Proposed Pilot Implementation Project US Geological Survey

The US Geological Survey (USGS) seeks a limited number of well qualified partners to cooperatively develop pilot projects to demonstrate the use of ShakeAlert System earthquake early warning notifications and data streams in real-world applications. Pilot implementations will be selected from organizations willing and able to commit to implementing one or more specific applications for ShakeAlert information to the point of practical demonstration. ShakeAlert is currently in a “production prototype” phase and is not yet ready for public release. Therefore, smartphone apps or other implementations with the primary goal of general public notification are not being considered at this time.

- Qualifying pilot implementations must meet the following criteria:
 - be limited to actions or notifications within the applicant’s organization.
 - not result in notifications to the public or any individual who has not been trained in how to respond to ShakeAlert notifications or actions resulting from them.
 - be tolerant of system errors including false, missed, or late alerts and incorrect intensity estimates.
 - not have the potential to result in injury, damage, or loss.
 - be within areas with sufficient station coverage (e.g. metropolitan Los Angeles and the San Francisco Bay Area).
 - have the capability to be tested using ShakeAlert test notifications and data streams.
 - be substantially different from other pilot projects.
 - have the potential for broader application by other users.
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The ShakeAlert System provides earthquake notification and data streams using internet-based services. The USGS will provide API and data format documentation intended for developers. The USGS will also provide password protected access to a ShakeAlert test service and live streams from ShakeAlert production prototypes services. The ability of the USGS to provide application development support is very limited.

ShakeAlert is a cooperative project between the USGS and university partners including the University of Washington, the University of Oregon, the University of California at Berkeley and the California Institute of Technology. We encourage collaboration among all interested parties including beta users, pilot developers, universities, and government entities.

Qualifying organizations and their partners must accept the terms of the USGS’s ShakeAlert License Agreement and Terms of Service. Pilot projects intended to result in commercial products or services must be done under a technology transfer agreement with the USGS.

1) Date of application: _____

2) Name of applying business or organization:

3) Type of business or organization:

4) Affiliation: Are you a subsidiary of a larger business or organization? ____ Yes ____ No
If yes, please list parent organization and nationality of that organization.

5) Responsible parties:

a. Individual committing to the project on behalf of the applying business or organization:

Name: _____ Title: _____

Email: _____ Telephone: _____

Mailing Address: _____

City: _____ State _____ Zip Code _____

b. Primary Point of Contact: [] Same as above

Name: _____ Title: _____

Email: _____ Telephone: _____

Mailing Address: _____

City: _____ State _____ Zip Code _____

c. Alternate Point of Contact:

Name: _____ Title: _____

Email: _____ Telephone: _____

Mailing Address: _____

City: _____ State _____ Zip Code _____

d. Technical Point of Contact: Same as above

Name: _____ Title: _____

Email: _____ Telephone: _____

Mailing Address: _____

City: _____ State _____ Zip Code _____

6) Do you intend to develop a commercial product or service?

Yes No If yes, please describe.

7) Intellectual Property: The USGS encourages technology transfer and use of its research developments and technologies by the private sector. As part of technology transfer, the USGS may be interested in forming collaborative partnerships, such as Cooperative Research and Development Agreements (CRADAs). (See: http://www.usgs.gov/tech-transfer/patents_licensing.html) Is this project likely to result in intellectual property (patents or copy written material)?

Yes No If yes, please describe.

11) How will this ShakeAlert pilot implementation benefit your organization?

12) If successful, how will your pilot implementation benefit other organizations in your sector?

13) How will the success of the pilot project be evaluated?

14) What will be the impact of false, missed, or late alerts on the proposed implementation?

15) How will the proposed implementation deal with cancelled alerts?

16) Is this application ultimately intended to take actions for or issue alerts to the general public?

Yes No If yes, please describe.

17) Do you anticipate partnering with other companies or organizations to develop this application?

Yes No If yes, please describe.
