

# SESAC Report

## Highlights of the July 28, 2015 Report to Congress and the Director

- The USGS Circular 1188—the primary planning document for the Advanced National Seismic System (ANSS)—is being updated. It will become the blueprint for seismic monitoring in the United States.
- Earthquake Early Warning is proceeding well but has insufficient funds for the west coast. The warning will be called ShakeAlert, in keeping with other products derived from a fully operational national seismic system.
- USGS is continuing to develop a larger program to investigate and mitigate induced seismicity. Induced seismicity has a major impact on the USGS National Seismic Hazard Maps. Maintaining an induced seismicity hazard map will require more resources.
- The USGS is looking to reinvigorate its research in the central and eastern US (CEUS). The acquisition of 159 stations from the NSF transportable array is a major step in that direction.
- Continue development at the National Earthquake Information Center (NEIC). NEIC is the face of the USGS with respect to earthquakes. Products like PAGER, ShakeMap, etc. are valuable to the public.

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## Highlights of the February 2016 SESAC Meeting

- Because the rent at the Menlo Park Campus is likely to increase by 125%, it is untenable for the Earthquake Science Center to remain in Menlo Park. Rent is controlled by the GSA and non-negotiable. The most optimum solution now being considered is for the Earthquake Science Center to move to NASA Ames, in Mountain View. This is about 10 miles from the current location.
- SESAC has endorsed two recommendations by the National Earthquake Prediction Evaluation Committee. First, make operational as soon as possible annual hazard maps for earthquakes in the United States that are likely caused by anthropogenic injection of fluids into the Earth's crust. Second, make operational simple, short-term earthquake probability forecasts for the entire United States following earthquakes above a predetermined magnitude, using well-established methods based on the work of *Reasenber and Jones* [1989].