Historical Perspective of Clearinghouses, Communicating with the EOC, and Field Clearinghouses

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Integrate findings into emergency management response, damage assessment, and recovery.

We need to know as much as possible about the effects of each earthquake in the sequence.

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2008 Wells, Nevada Earthquake

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- Fundamental – basic information about the earthquake

Basin and Range Province

Highly challenging earthquake fault setting:

- Thousands of Quaternary faults, some widely distributed and intersecting,
- Unmapped faults in the basins and mountains,
- Earthquake timing tough call – triggered events,
- Understanding details of surface rupture potential; deciphering multiple earthquakes.

Historical Earthquake Clearinghouses

- First clearinghouse at Calif. Geol. Survey office in L.A. for the 1971 San Fernando Earthquake. Small eq. clearinghouses through the 1970s and 1980s.

- 1994 Northridge – clearinghouse complications arose and to solve these the California Earthquake Information Clearinghouse effort was launched.

- Many physical and web-based clearinghouses in California and other states since then.

- Consequently, many historical earthquakes have been well studied and their lessons widely learned.

2008 Wells, Nevada Earthquake
M6, significant URMB damage

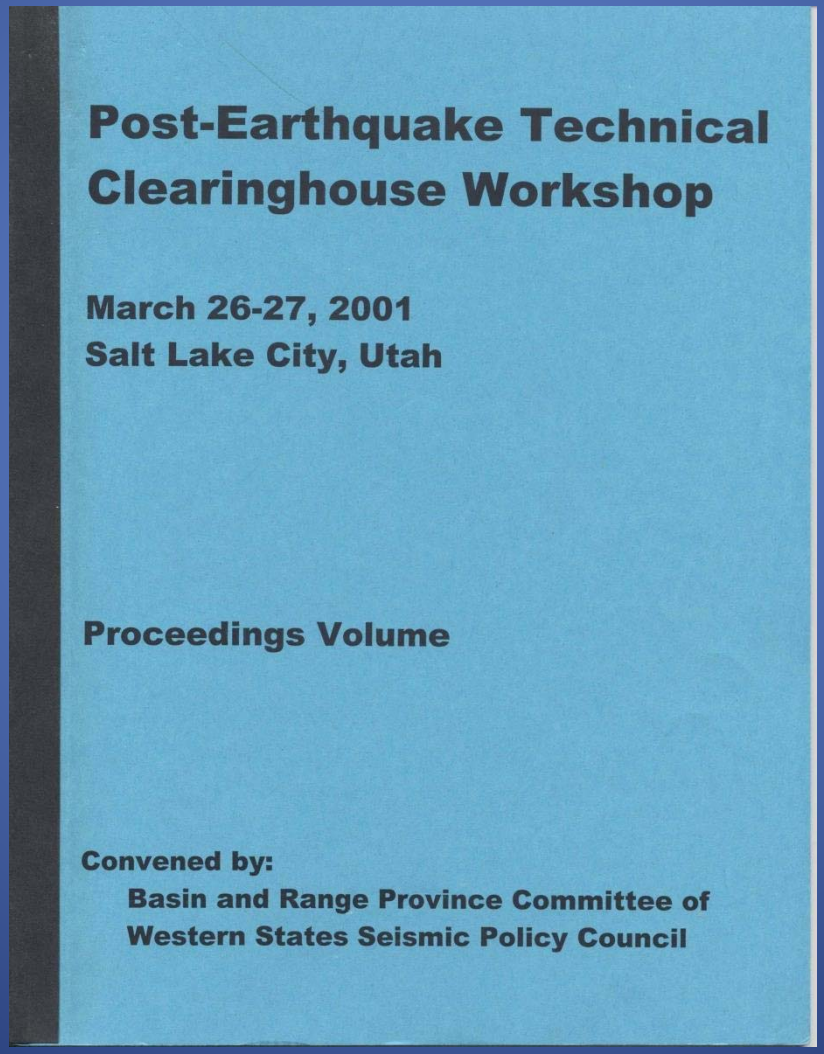
UGS stood up a template of their clearinghouse page for three days, used mostly by scientists.

On day three NBMG stood up a clearinghouse page and the Information was transferred.

Field Physical Clearinghouse

- Important and most effective to coordinate field efforts – increase the speed of event intelligence and situational awareness; support for field effort.
- Document and collect contact information and collected data from participating researchers.
- Manage media and other opportunities.

2001 WSSPC Post-Earthquake Technical Clearinghouse Workshop



Link with the EOC

If the event(s) are serious enough, it is optimum to have a liaison that can monitor the EOC and the Technical Clearinghouse, and exchange information/intelligence between the two in a rapid manner.

Clearinghouse reports should be pushed towards the EOC.

At minimum, have someone in each realm monitor each other's activities.

Example of Important Information to be Communicated

A field geologist sees a landslide scar from the earthquake above a neighborhood. The landside could potentially move and detach with another event.

This should initiate the dispatch of an expert to evaluate the landslide and an initial heads up to the EOC of this potential risk.

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- Many recommendations on coordination, clearinghouse plans, web pages, observational guidance/forms …

- Involvement of **seismic safety commissions** – set earthquake policy: **1)** assist information collection, **2)** highlight lessons learned, **3)** review state loss reduction plan and make needed adjustments.