

# **STRATEGIES FOR LONG-TERM OPERATION OF GEOTECHNICAL STRONG-MOTION ARRAYS**

by

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# **Significant challenges for long-term operation**

- **Ongoing funding over long time periods for:**
  - instrument maintenance
  - upgrading instruments over time
- **Maintaining ongoing scientific and engineering community involvement/interest**
- **Archiving and dissemination of data**

# Actions contributing to successful long-term operation

- An overall implementation and operation plan, including:
  - Well defined scientific/engineering objective(s)
  - Ongoing experimental testing
  - Ongoing active dissemination of testing results
  - Structured coordination framework
    - For example, JWG-ESG
  - Strong management and oversight
    - Designated manager/coordinator
    - Oversight by interested scientific/engineering community
  - Corporation and collaboration with institutions/organizations that have shared interest in the scientific/engineering results