COSMOS Strong-Motion VIRTUAL DATA CENTER
http://db.cosmos-eq.org
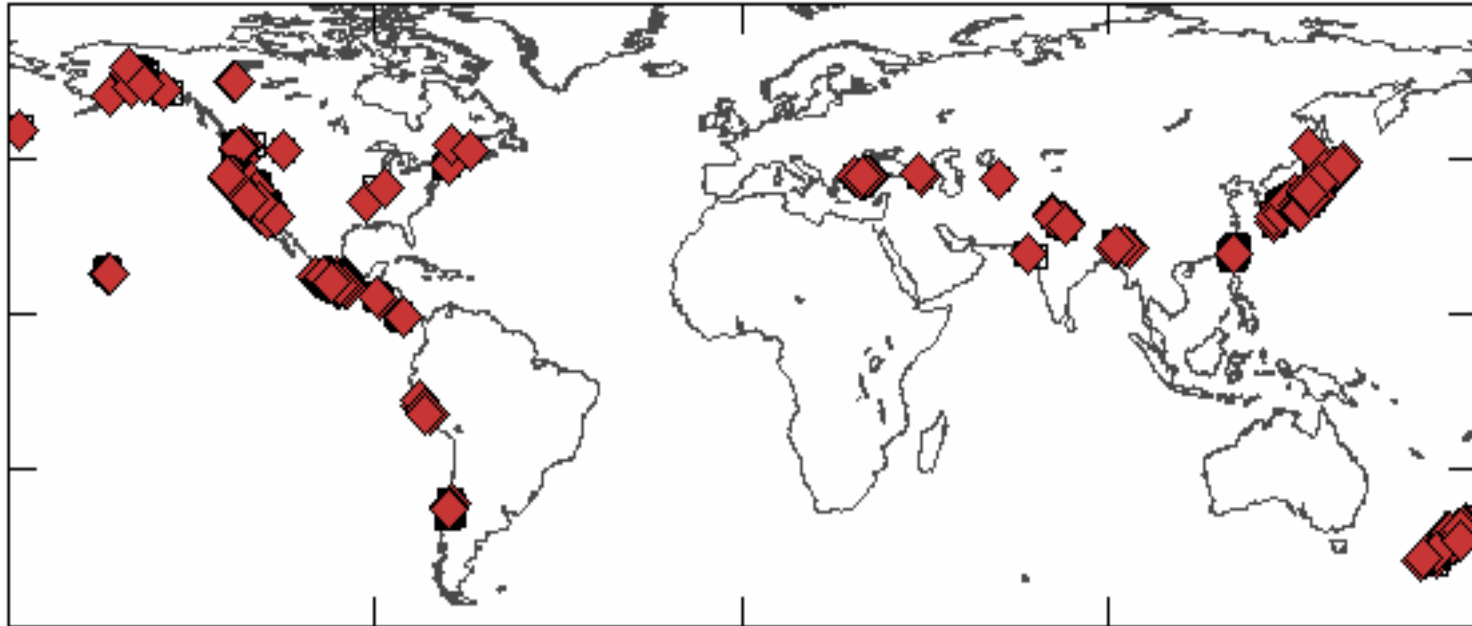

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Enhancements to the VDC
http://db.cosmos-eq.org

	Sept 2001	Nov 2005	% Increase
Earthquakes	199	515	159%
Stations	1,744	3,108	78%
Accelerograms	11,537	26,563	130%

Since August 2005

Database:

- 7 new earthquakes

Website improvements:

- May download multiple sets of 30 file zips
- Design spectra now also on log plots
- Published User Manual
- Added date to download zipfile name
- Combined N. Calif and S. Calif earthquake displays
- Added drop-down list of owner acronyms in search

2005 Enhancements
http://db.cosmos-eq.org

Meetings:

    Presented poster at SCEC Annual Meeting

    Attended IRIS workshop on Web Services

Software developed:

    Cosmos 1.2 to Cosmos 2.0 format conversion

    Pull SCECDC data files automatically

2005 Enhancements

Developing new website in Java:

- ☐ Easier to incorporate future components: web services, mapping, etc
- ☐ Already have some usable code in java
  - Expandable plots with reasonable values on time scale
- ☐ Using Jboss Application Server
  - open source but robust
  - Have more control over security and the database connection pool
- ☐ Code will be easier to edit and maintain and have added functionality
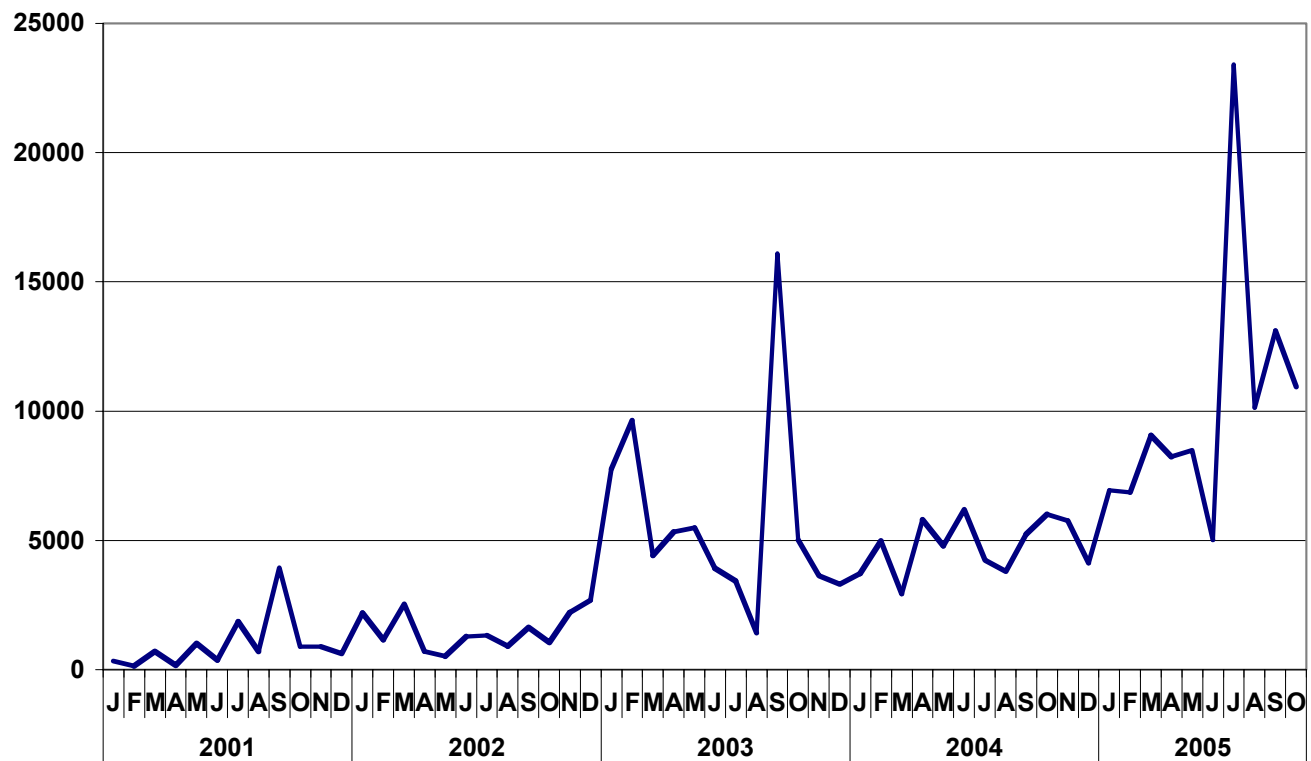- ☐ Standards compliant

Planning for changes to database:

- ☐ Splitting trace table into point and trace will make searches faster.
- ☐ Adding a table to store user design spectra values
- ☐ Revising region table for more consistent categories
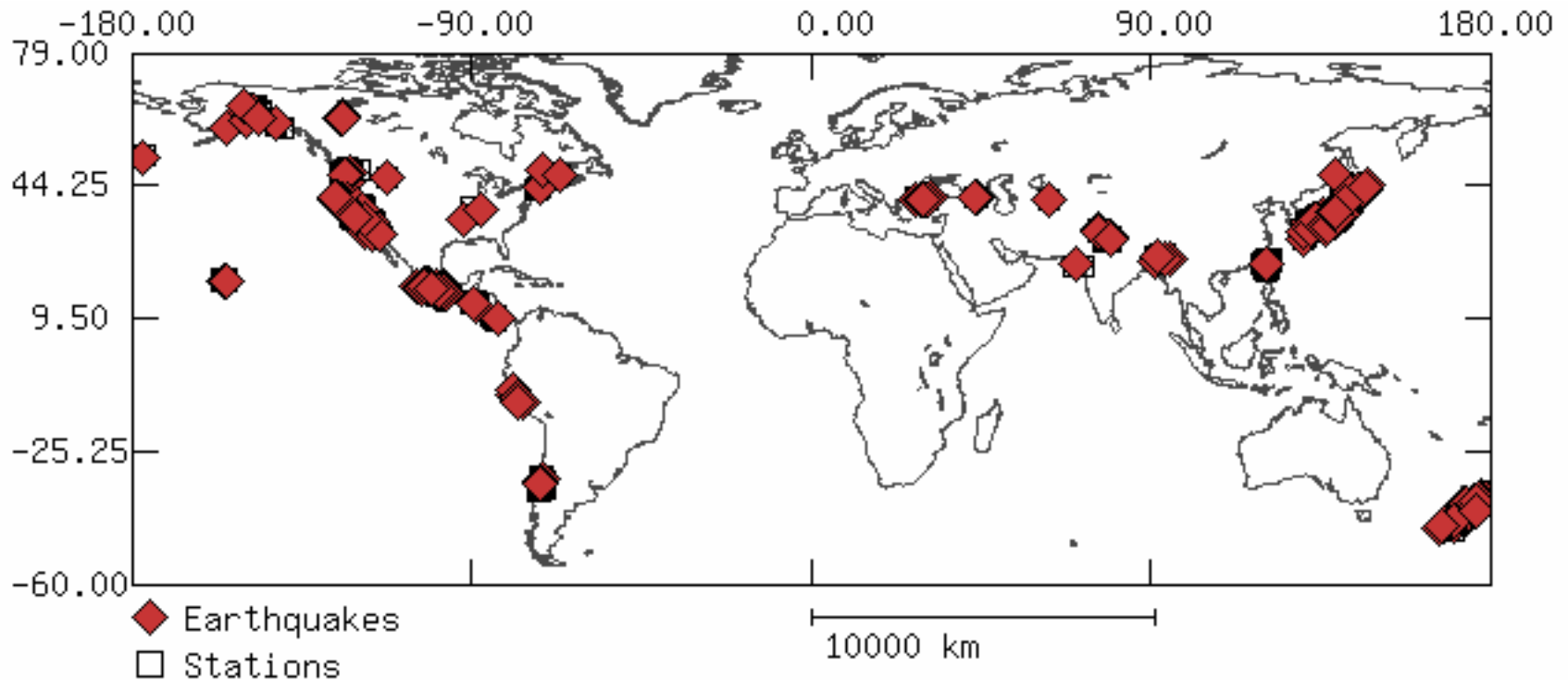- ☐ Separating magnitude from event table so can more easily add magnitudes of different types.

Files Selected for Downloading 2001-2005
http://db.cosmos-eq.org

COSMOS Strong-Motion Virtual Data Center

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- Multinational
- Large data sets
- Multiple, flexible search options
- Currency of data