

EarthScope's Broader Impacts: *Science, Schools, and Society*

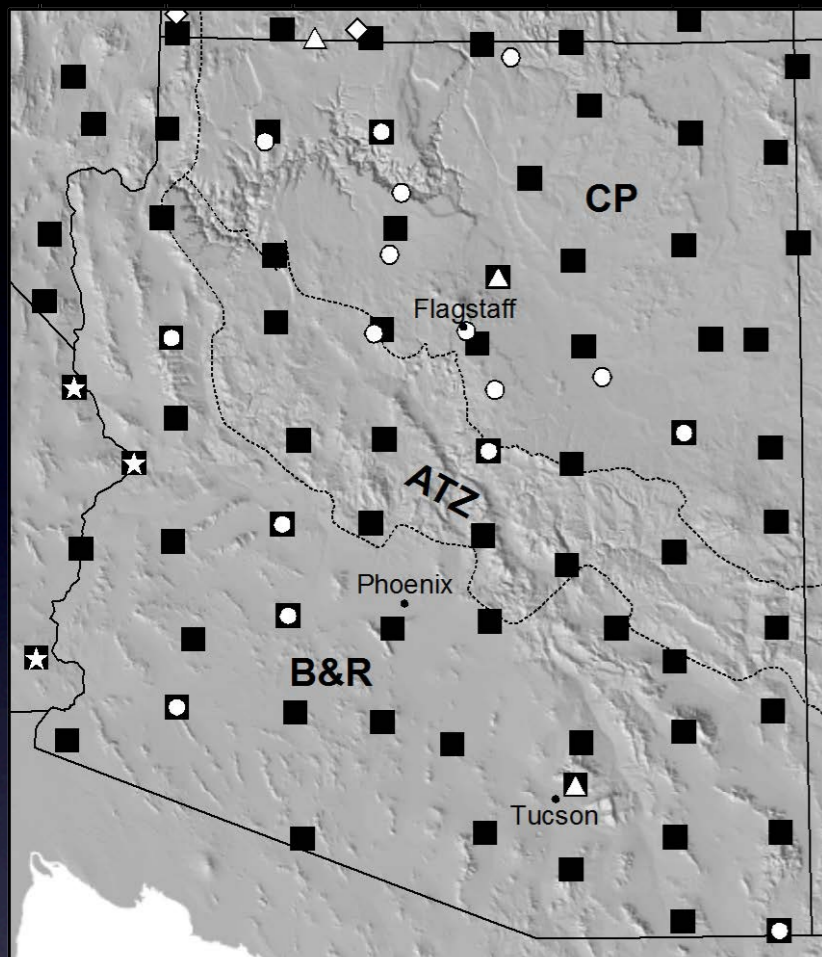
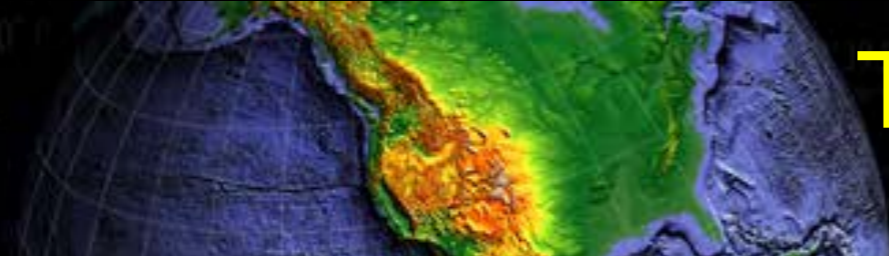
Matt Fouch and Ramón Arrowsmith
EarthScope National Office



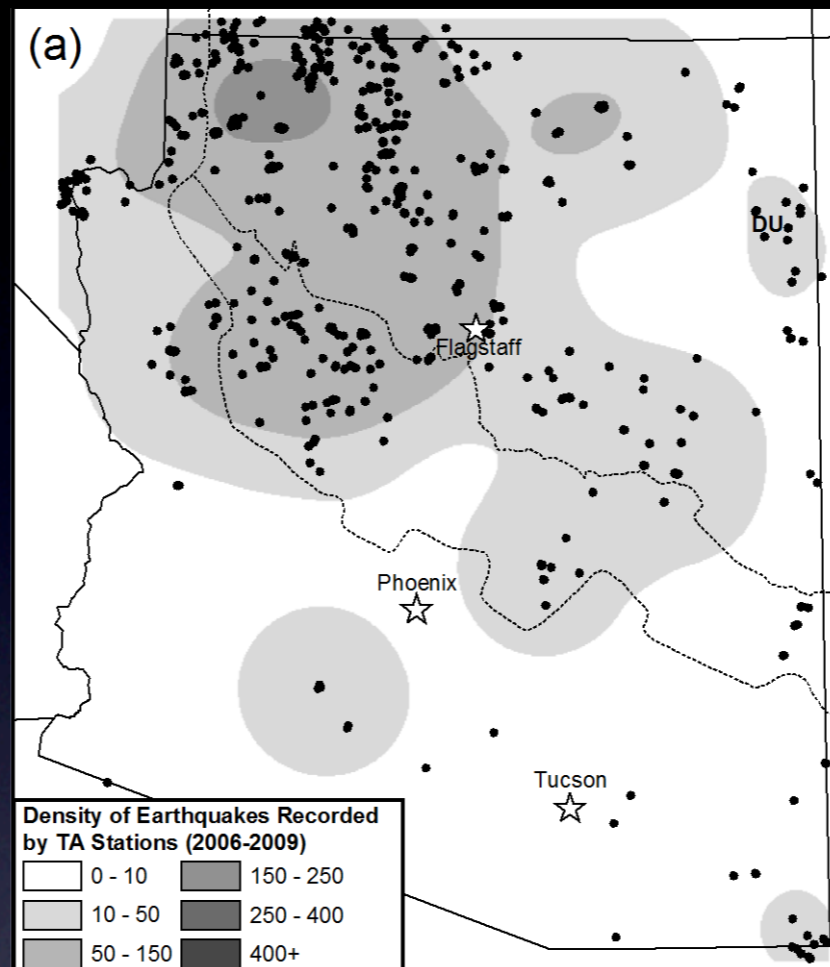
How can the ESNO help catalyze community-driven activities?

- Workshop coordination – bringing diverse communities together
- Connections/communication between projects
- Data gathering/synthesis
- Coordination of EarthScope Institutes

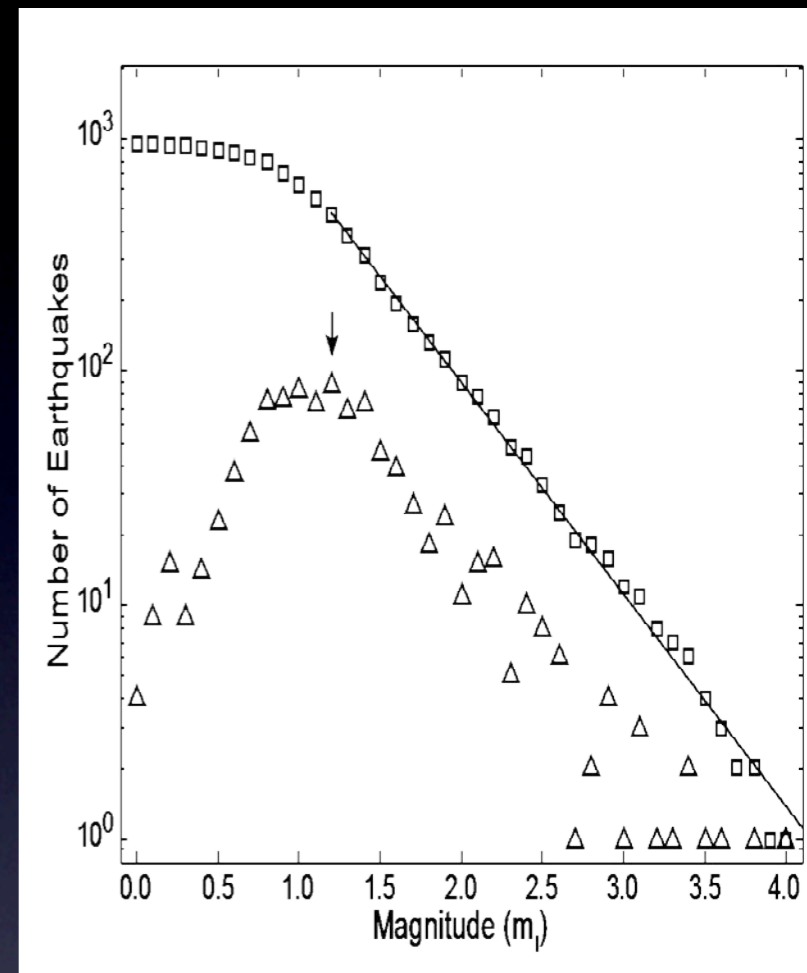




AZ stations



EQ density

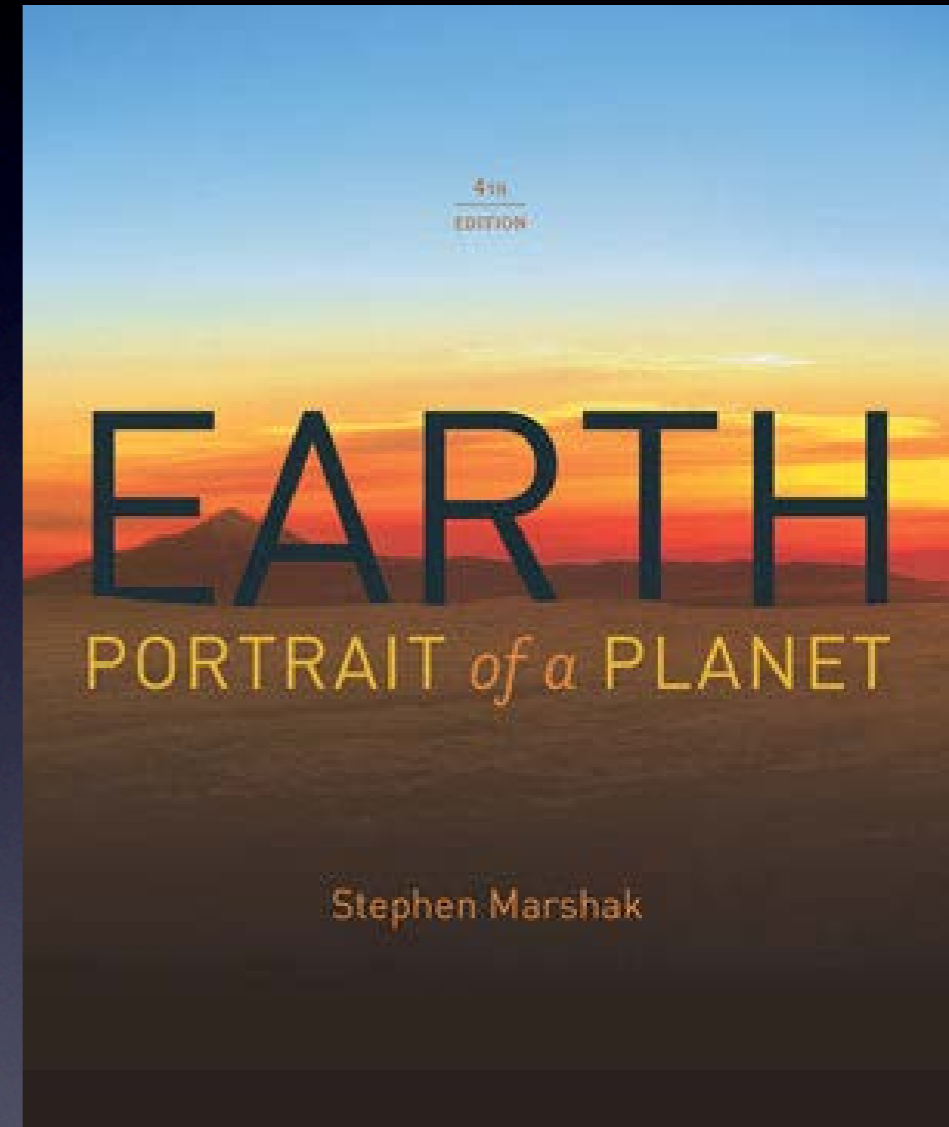


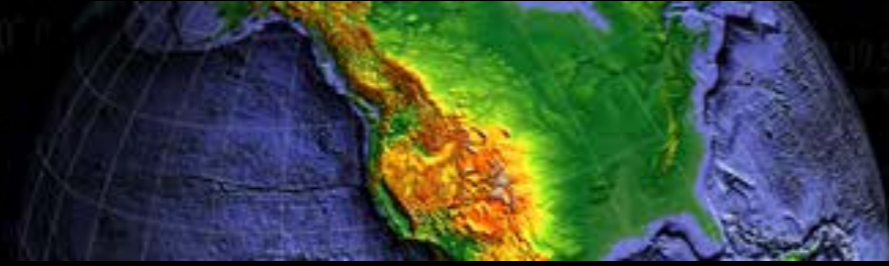
Mag distribution

- April 2006-November 2008
- 92 stations
- 16 swarms/clusters

- USGS: ~10 eqs
- Regional nets: ~50 eqs
- ANF: ~250 eqs
- **This study: ~600 new eqs**

- Bringing science and research into the classroom
 - Science is dynamic: how is research done?
 - Using EarthScope data in class projects
- EarthScope and GeoPRISMS science: Rewriting textbooks
- Summer internships





EarthScope Speakers

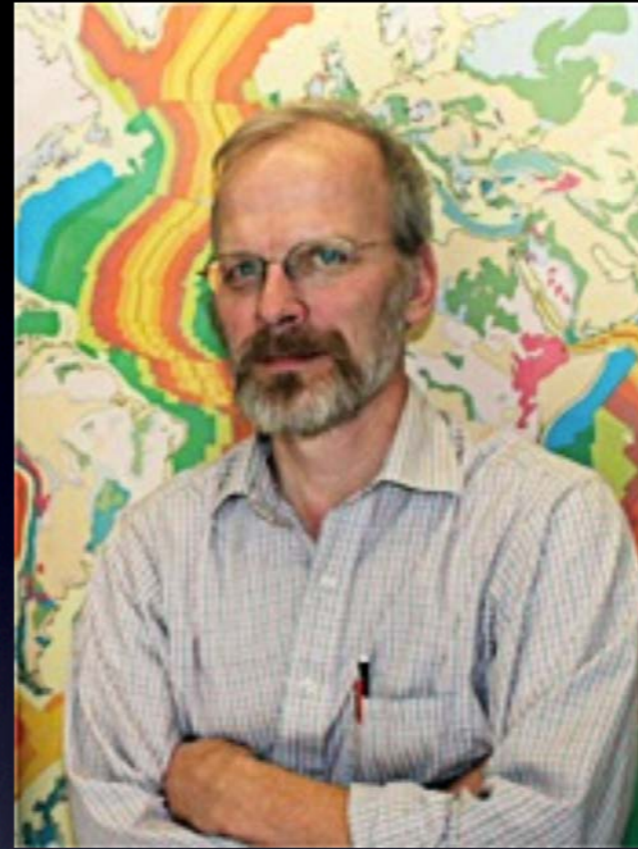
Jim Evans: Montana State University, Idaho State University

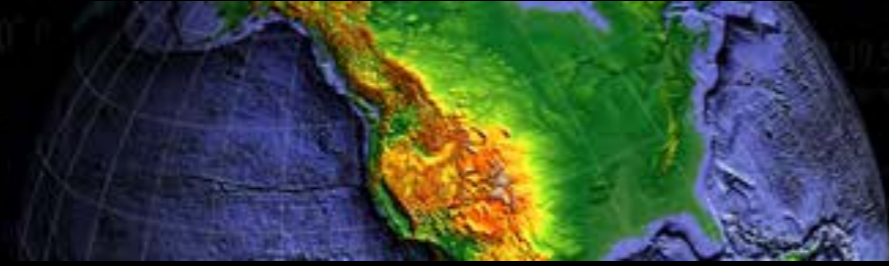
Bridget Smith-Konter: East Los Angeles College, Stony Brook University

Lucy Flesch: Central Washington University, University of Arizona

Terry Plank: University of Alabama

Bill Ellsworth: TBD





Social Media and the Geoblogosphere

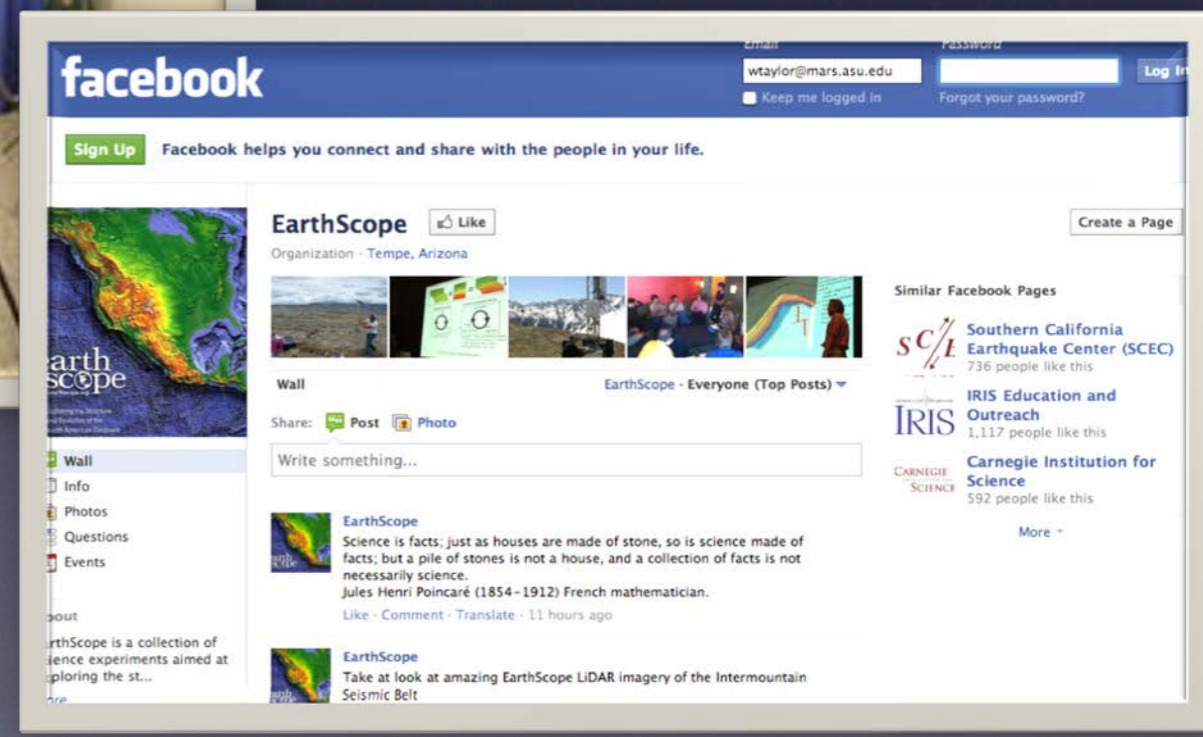


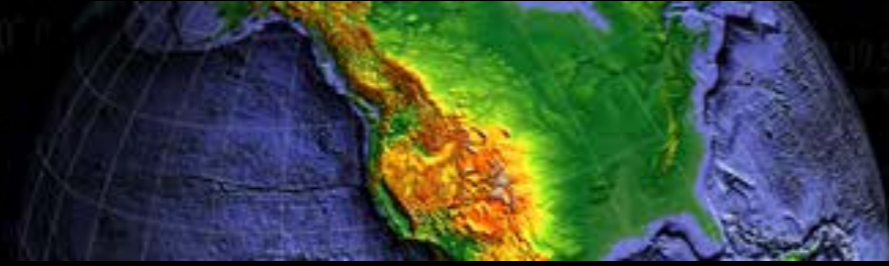
Edward Garnero
Assoc. Professor, School of Earth and Atmospheric Sciences

- New media studio being built at ASU
 - Videos for social media
 - EarthScope “stories”
 - EarthScope scientists in action



Julia Goucher
Teacher, Peralta Trail Elementary School





Enhance EarthScope's media footprint:

- Connect with Facebook, Twitter, YouTube, Wikipedia and others – **interactivity wth public and scientific community**
- **Link to the "geoblogosphere" through prominent blogs**
- Establish an **RSS Feed** for news and current events
- **Infuse website with more multimedia – podcast and vodcasts (iTunes, YouTube channels, ES website)**
- Capture ES scientists/students in action – GSA, AGU, field

 facebook twitter You Tube