

Mass Flux Break Out
Discussion: Group 3

If you could have a workshop (or “hash-out”) to synthesize one topic/theme, what would it be?

- Fluid Transport and Volatiles
- Site-Specific / “Focus on Focus Sites” (e.g. EAR)
- Discipline-Specific
- Rift & Subduction Initiation and Stability
- Rheology
- Rock Physics
- Interpretation of Seismic Velocities
- Field Work, Rock Record
- Lithosphere and Asthenosphere Interactions
- Spatial Integration – deep tomography to upper crust
- Temporal Integration – interactions between slow and fast processes

What are the rationale and motivations for bringing a focused community together for some of these topics? How are these informed by GeoPRISMS data sets?

- Must synthesize data for relevance across disciplines.
- Datasets can have multiple applications/purposes.
- Collaborations.
- Data integration removes bias towards “favorite” models, forces us to work together and ground-truth towards a cohesive story.

What activities, aside from (or in tandem with) workshops, could we do to enhance interpretations of existing data?

- Database of databases:
 - Easily searchable
 - Raw data and processed products
 - Favorable and less favorable models for reconciliation with other disciplines
 - GeoMapApp?
- Bibliography of all GeoPRISMS publications/data.
- Forum for enhanced collaboration?
 - Consider most effective size, moderation is key.

What aspects of the GeoPRISMS program are essential to preserve? What structures do we need within funding agencies to keep this community from becoming dispersed?

- Workshops are essential.
- Peripheral meetings and mini-workshops are useful – generally creating opportunities for the community to gather often.
- Shared participation in data collection (community experiments).
- Emerging Sites!
- Synthesis products for education: texts, animations, etc.
 - NSF Broader Impacts