

Breakout #2  
Group 4

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

The role of water, fluids, volatiles, melt, sediment in subduction processes

Link between subduction and metamorphism

How does melt get focused to discrete centers at the surface

Experimental work in subduction zones

Mass balance

Subduction initiation

Controls on the rheology of the plate interface

Pore fluid pressures at the plate interface

Interactions between tectonics and climate at the subduction zones

How do we join the 21<sup>st</sup> century

Mantle wedge dynamics

Arc volcanism and climate

What are the relationships between metamorphism, seismicity and deformation

Thermal and mechanical heterogeneity under rifts

Volatiles and melting at rifting

The interaction between magmatism and lithosphere and faulting

Along strike variation and temporal variation!

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?

Find the gaps in what is not known

Connecting across scales - spatial and time

Incorporating experimental work – translation from lab to life to model.

Facilitating interaction between people who don't know that they need each other

Early career, practice presenting and discussing your research.

Space that allows you to talk with others.

How to collaborate, how to interact with funding agencies.

How to write proposals, where to submit, who to talk with. How to navigate the funding mechanisms. Mock panels for proposals with feedback from different agencies.

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

Earthscope style science nuggets – summarize project results in plain language, eye catching ways.

Flyover map app integration.

Webinar on data visualization – aim for really high level modern day graphics. Or have these organizations hire someone that is a dedicated data visualization expert, graphic designer, etc.

Singular figures have a long life – put effort into figures that we all can agree on and turn those into mini youtube videos or something. Community investment into graphic visualization. Process based figures. Imagery and understanding

Product of future geoprisms workshops – person hired that comes to these workshops that synthesizes these visuals.

Geosciences how to's for subdisciplines – easier for interdisciplinary collaboration.

integration with science journalists in this program. Training of how to speak to science journalists.

One pagers for hazards that can be taken to congressional leaders.

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?

Community experiments

Early career activities

Science nuggets – and communication of those outwards, videos, multimedia. Hiring graphic people

Retain the interdisciplinary component.

The focus site idea – focus processes.

Amphibious and multidisciplinary nature

Workshops to discuss the science

What does our science do to inform policies makers about global climate change and planet habitability? How do we communicate this?

Maintaining a newsletter.

Anything else that's important.

21st century

Use of cell phones and mobile devices and technologies.

Data visualization. Workshop for data visualization?

Google hangouts for weekly meetings, video conferencing.

Empowering early career scientists

Connecting the workshops with early career, continuing these links.

Social media – how are we capturing and distributing the information? How do we build the synthesis products – a workshop on this.

Anything else that's important.

Data management curation and mining

Young investigators associated with NSF, NASA, and USGS

CIDER – like experience.

Summaries at different levels for scientists as well as students/public. Digital Wikipedia articles.

Can we have a focus site map that graphically summarizes the results.

Margins mini lesson – an effort to take the science that was produced and put it into lessons.

Periodicals – teaching tool for undergrads.