

Community discussion on the Pool Utilization Strategy

D. Schmidt moderating.

- What are the shared goals and values for the seafloor geodetic community?
 - Enlarge the seafloor geodetic community
 - Provide access to seafloor instrumentation
 - Provide sufficient on-ramps for new investigators
 - Open data policy for data collected with pool equipment
 - Provide new capabilities to answer important offshore science questions
 - Learn about capabilities and accuracy of seafloor geodetic data / techniques

Many sites are unavailable during the winter (e.g. AK)

- May be used in interim for PI-projects
- Should consider elsewhere if want multiple measurements per year

Promoting using pool in a way that it can hit a significant number of PIs

Who gets credit for the work of a community experiment?

About a site-a-day can be picked-up/dropped using ROVs (transit-dependent)

Strongly in-favor of staff-managed community experiments (rather than community treated as staff). May have data quality issues when PI-s run experiments.

From Roland: Could also explicitly add "Engage and collaborate with the international seafloor geodesy community"?

OBS pool does both community experiments, it would be good to get their feedback. Some funds would go just to facility.

With few instruments there is little data, how do we do community experiment with so little data?

Mark Z. Would really like a very dense offshore array.

Noel, we need facility support. Cascadia and Hawaii

Should work with NSF to clarify interests between running through UNAVCO (as an example--UNAVCO may not be best to lead this)

- What is the role or mission for a Seafloor Geodetic Facility? What services would it provide, or not provide, to the research community?
- What lessons have been learned from past or present instrument pools? What has worked well? What should we avoid?
- What level of participation does the community want in the collection of seafloor geodetic data?

Discussion Questions Part II

- Where should the instrument pool be deployed? Which target locations have the greatest scientific return? Which target locations help us to achieve our shared goals and values?
- How many instruments should be distributed among target locations?
- What type of target should be prioritized given limited resources? Plate motion, ridges, subduction, volcanoes, transform faults, hydrates, etc.
- What coordination is needed with other assets (i.e. OBS, cables, IODP) and with international collaborations?
- Should activities be focused on US-based projects, or seek to leverage international opportunities?

Need to look in a long-range context. 16-instruments should not make a facility.

Strong push for southern Cascadia and Hawaii

How about a real open call for proposals? Can we get a special call?

We really need professionals to deal with the instrumentation, and the current pool is just not large enough to support it. Panel could be better suited to handle the targets.

How do we get to the point of getting a Facility?

NSF hasn't decided whether one is needed, at least now.

Can we do a few things with fewer instruments.

build momentum with grassroots community experiment that will help expand the community and put pressure on NSF to develop a facility that will ultimately involve proposals

In order to deploy in summer 2022, we're running out of time.

Could we develop an international consortium for cost-sharing for a singular global facility to operate.

International ships could help

We can leverage efforts/expertise SZ4D and USGS has experience/interests.