

Breakout Session #4 – Cross-Cutting Issues
Tuesday p.m., 8 October 2013
High Level Coordination of Field Operations and Assets

Needs Office or Database of Assets of Opportunity –

Communication of available assets or opportunities, consolidate use of assets between projects, identify times/locations when assets could be shared. Identify new opportunities for using assets outside of science (e.g., tourist ships, commercial aircraft equipped with sensors). Share assets (e.g., aircraft).

Recommendation: Deal with the housing problem in Barrow. A solution needs to be developed now.

Developing Assets that are portable/modular/compatible for improved flexibility and efficiency and response times for meeting needs of projects.

Modular/transportable housing units, modular, scalable power units

Achieve Redundancy through Effective Management

When possible, have backup assets identified (e.g., boats in Barrow). Use comparable equipment at different locations so it could be quickly swapped in case of failure.

Maintain and Develop Creative and Ethical Means to Deploy Assets in more Remote Locations

Research is likely going to expand outside of the areas under the lamppost to increasingly remote sites, including communities. Be proactive in developing an assessment of facilities that could be shared in communities. Communicate with community members. Manage expectations and perceptions. Centralize communication to ease confusion. Refer to the NSF document on working with Alaskan communities.

Coordination and/or Communication of Asset Deployment

Where are instruments deployed? Avoid interference/conflicts between wireless frequencies. Some of this already done for marine environment through Notice to Mariners and AOS Arctic Assets Web site.

Centers of Excellence for Arctic Science Vehicles and Technologically Specialized Instrument

Center which operates specialized vehicles that scientists can use, working with the center. Centralized expertise, increase availability of these vehicles and instrumentation to a broader group of science users by providing the expertise to deploy and maintain these vehicles/instruments (and by providing the vehicles/instruments). Analogy is the Deep Submergence Lab at WHOI that operates the submersible Alvin, the ROV Jason, and the AUV Sentry.

Improved interagency sharing of assets