

Breakout Session #2 - Logistics Needs for Arctic Domains
Monday p.m., 7 October 2013
Coastal Group

Recognize the need to treat logistic support of coastal zones independent of Terrestrial or Marine. Both land and sea; coastal erosion, estuaries/ nearshore environment; sometimes fresh, sometimes salty; understudied with respect to seasonality; crossroads between human dimensions and physical/biological/chemical science.

Long-Term needs to do best science:

Support for small boat fleet (including maintenance, mob/demob, operators). Hover crafts? Other conveyances. Mobile camps. Pros and cons to logistics personnel attached to projects. When PI operated, liability gaps may need to be addressed. Cabled observatories. Data management and internet connectivity. Partnerships between local communities and researchers. Embedded community liaison (as starting point... still need PI involvement). Need to avoid conflict with local subsistence efforts, traditions, etc. Assistance with permitting and permissions (particularly complex in coastal zone). Observatory network (ice conditions, met stations, web cams) along coast to support research. Tasking satellites to target research intensive sites.

Logistics limitations and benefits:

Coastal environment provides increased opportunities for access... but need small boats, snow machines, fixed wing aircraft and/or helicopter support, different needs for different seasons (multiple ways to get around, but not terribly expensive) . Local knowledge is particularly useful/relevant with respect to access of coastal environment. Nexus for interdisciplinary work. Shoulder seasons are tricky for field work (but can be done). Coastal work requires flexibility in logistics support is provided. Mobile, movable platforms needed.

Given the above, why is coastal research lagging behind? History. Less coordination among projects. Maintenance of small boats, snow machines, etc.

Interdisciplinary science:

Coastal zone is natural domain for interdisciplinary research... including linkages between social and natural sciences.