High-Resolution Imagery for Analysis of Environmental Change in Northern Alaska

an informal workshop following the “Park Science in the Arctic” conference ...

intended for scientists interested in applying the potential of high-resolution imagery to environmental change research.
Ecosystems and habitats are changing rapidly.

Technologies in GIS and RS are advancing.

It is now possible to detect, analyze, & understand environmental change at high resolution.
AM: Invited Talks & Discussion

- Landscape change
- Imagery, tools & services
- Synthetic Aperture Radar
- Coastal orthoimagery
- Thaw lake dynamics
- Making the most of imagery
PM: Hands-On Activities

in ArcGIS with high-res. imagery

- Files, Map Layers, etc.
- Navigation
- Detecting change -- On/Off
- Detecting change -- Swipe, Flicker
- AlaskaMapped.org WMS
- Measure distance and area
- Photo hyperlinks
- View metadata
- Detecting coastal erosion
Overarching Goal

... to reach the potential of high-resolution imagery for a variety of environmental change studies