

An aerial photograph of a coastal landscape. On the left, a calm body of water meets a sandy beach. To the right of the beach is a large, grassy dune that slopes gently upwards. The sky is a pale, hazy blue. The overall scene is serene and natural.

OVER-ARCHING GOAL

- To improve our understanding of the biogeochemical, physical, and hydrological processes that occur in the nearshore zone of the arctic shelf with respect to changes in global climate system and alteration of marine ecosystems and societal resources.

DEFINITION AND SCOPE OF NEARSHORE/COASTAL

- Refine later??? Not worth laboring over now??. How to create separate identity – identify boundaries?
- defined by processes
 - at shelf edge
 - +/- 200 m vertical
 - transition zone from terrestrial watersheds to deep marine
 - or ??

Major Themes

- Society and Coastal Environments: Bi-Directional Impacts
- Evolution and Landscape Dynamics of the Shelves and Nearshore Zone
- Fate and Transport of Materials in and through the Coastal Zone: Lateral and Vertical Linkages
- Structural and Functional Patchiness and Variability in Ecosystems and Physical Environments
- Couplings and Feedbacks to – and from – the Global System

IMPLEMENTATION

- Integration with other International, National, and Bilateral Coastal Initiatives (e.g., IGBP LOICZ; IASC ACD, BESIS, & BASIS; LOIRA; RAISE, etc.)
- Coordination with other NSF initiatives such as SEARCH (representatives with other steering committees ...)
- Development of a Science Steering Committee
- Completion of a Science Plan
- Workshop (online?)
- Implementation Plan

