







## The Chukchi-Alaska region Highly sensitive to climate

- Highly sensitive to climate variability and sea-level fluctuations
- Atmospheric connection via Aleutian low
- Oceanographic connection via Bering Strait
- Repeated subaerial exposure during low sea levels
- The most recent reopening of the Bering Strait and flooding of the Chukchi shelf: 11~12 ka during the last deglaciation (Elias et al., 1997; Keigwin et al., 2006)



## **Research objectives**

- New terrestrial and aquatic palynomorph data from the Chukchi-Alaskan margin
- the effects of the Bering Strait opening & inputs of Pacific and riverine waters
- major vegetational changes in the adjacent Siberian and Alaskan regions
- Holocene changes in palynomorph associations
- possible source areas and transportation mechanisms



















