

Integrated Monitoring and Risk Assessment

What do we mean by

- *integrated monitoring* ?
- *integrated risk assessment*?

- ❑ Change detection
- ❑ Impacts prediction and tracking
- ❑ Exposure and sensitivity assessments
- ❑ Prerequisite to adaptation planning
- ❑ Contributes to adaptive capacity and resilience



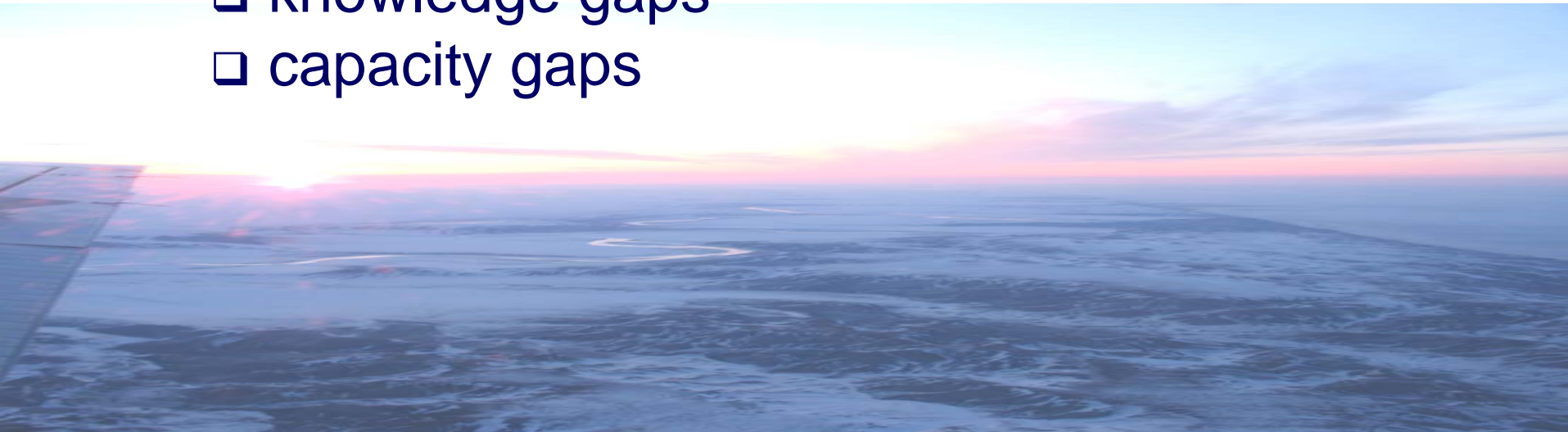
What are the key questions?

Whose questions are they?

What do we know?

What information do we currently have access to?

- knowledge inventory
- knowledge gaps
- capacity gaps



International monitoring frameworks
National-scale institutional frameworks

...

Capturing local issues, exposure,
vulnerability and resilience



Potential products:

State of the Arctic coast – 2008

Identification of a handful of key indicators to be monitored across the Arctic

Possible input to ACIA+ coastal report



Inventory of monitoring networks and activities

ARMAP: Arctic Research Mapping Application

ICE-ArcticPortal

CBMP: Circumpolar Biodiversity Monitoring Program

SAON: Sustained Arctic Observatory Network

GOOGLE

Issue of propriety/restricted data in some countries

Issue of intellectual property rights for TLK

Regional initiatives

Barents Sea Management Plan

ArcticNet - IRIS



ELOKA

Exchange for Local Observations and Knowledge of the Arctic

ELOKA works to provide data management and user support to facilitate the collection, preservation, exchange, and use of local observations and knowledge of the Arctic

- *highlighting TLK*
- *community ownership*
- *data exchange*



Network of Coastal Observatories

- ❑ ACCO-NET
- ❑ Coastal component of SAON?
- ❑ CBMP Coastal Expert WG
- ❑ Community Pilots
 - e.g. Nunavut CC Adaptation Plan

