

# CAPARDUS: Capacity-building in Arctic Standardisation Development

A Coordination and Support Action 2020-2022

Coordinator

Stein Sandven, Nansen Environmental and Remote Sensing Center



The CAPARDUS project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 869673.

# Objectives

- *Establish a framework for development, understanding and implementation of **Arctic standards***
- *Identify and document **standards, guidelines and practices** within resource management, local community planning, and selected economic activities*
- *Engage researchers, service providers, local communities, commercial operators and governance bodies to design an **Arctic Practice System**, building on the Ocean Best Practice System*



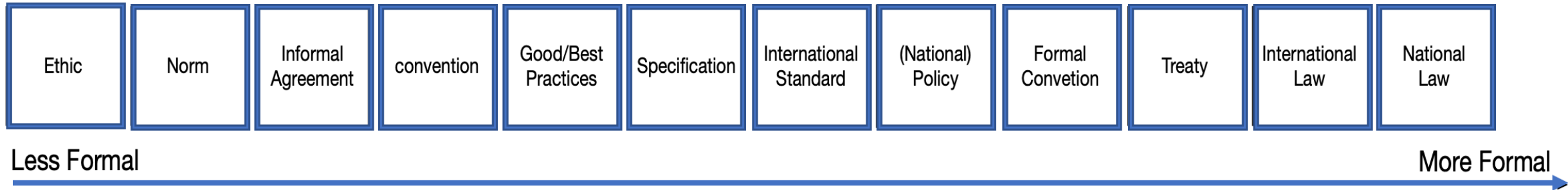
Fisheries is the most important economic activity and food source for local communities in Greenland. Photo by Gerth Nielsen



Buildings in Longyearbyen threatened by thawing permafrost. Photo: L. Iversen, NERSC

# Standardization continuum

Tradition – culture → Documented practices → Policies - conventions → Legislation



CAPARDUS deals with documents and data related to natural resource management, tourism, safety and community planning and decision making

# CAPARDUS themes

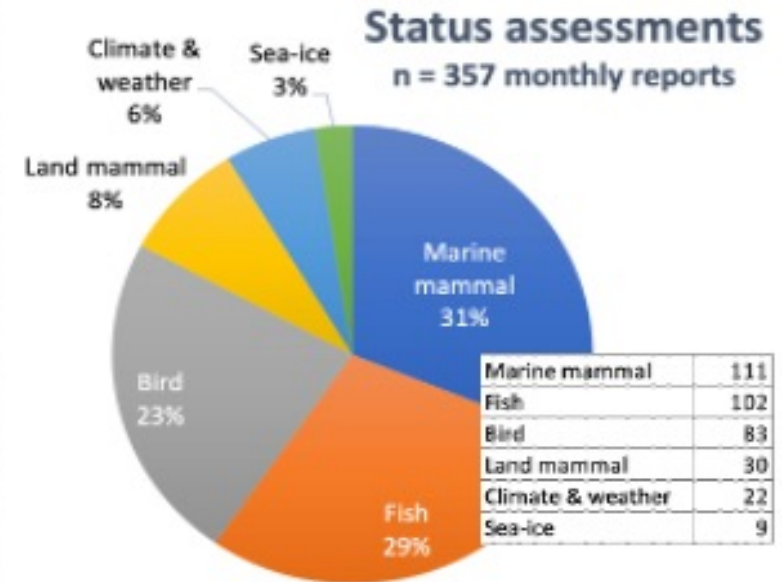
- Observing system and data system
- Community planning & decision making
- Natural resource management
- Shipping, tourism, safety
- Ethics, norms, responsible research
- Other issues such as health, clean food and water

Community-based  
monitoring and  
Citizen Science

Socio-ecological system:  
Developing BBN for  
fisheries management

Developing an  
Arctic Practice  
System

# Community-based monitoring and Citizen Science

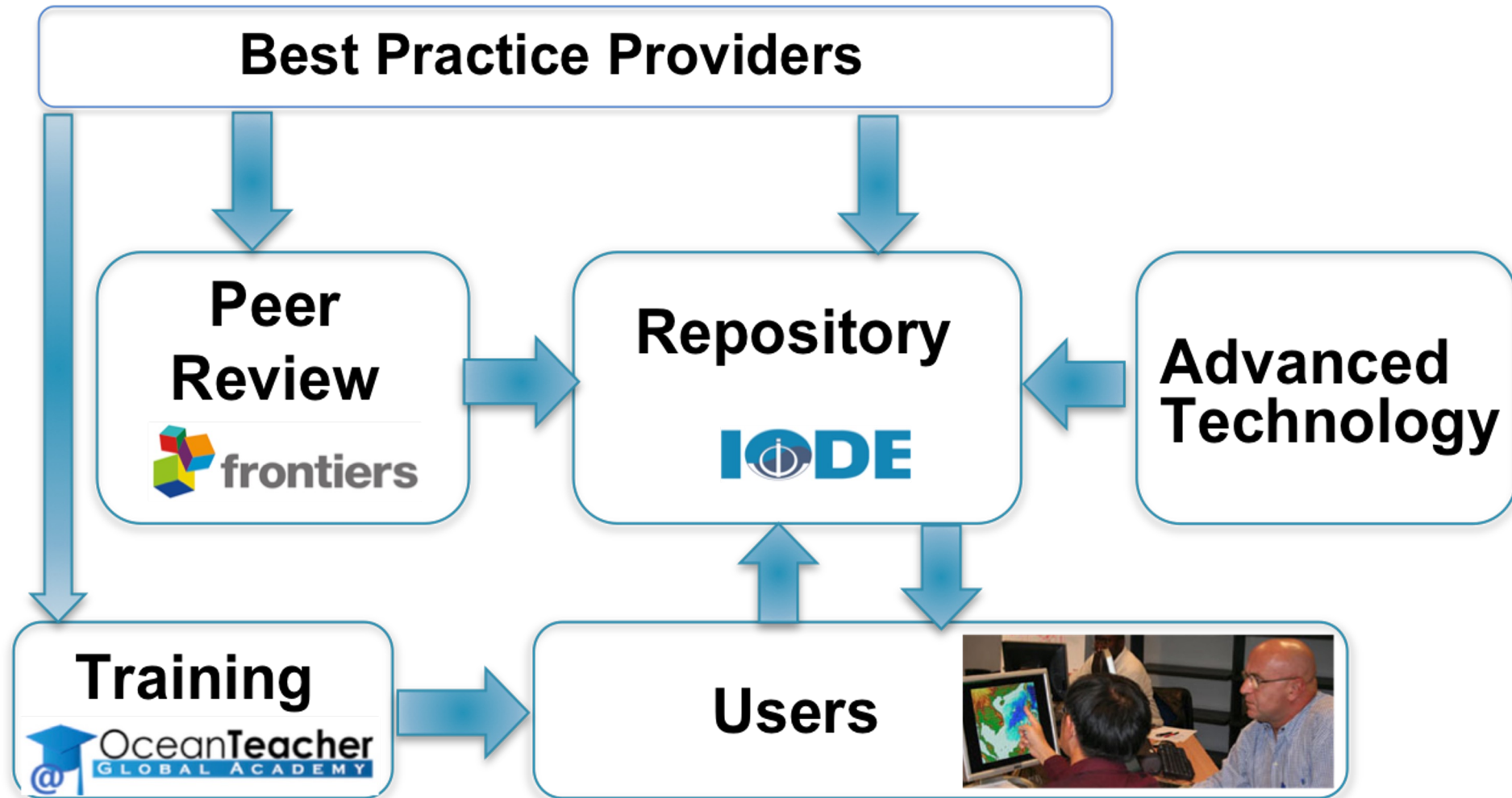


- Community-based monitoring (CBM) is a method where indigenous and local communities are directly involved in environmental data collection. Example above is from North-West Greenland



# Establishing a Repository for Arctic Practices

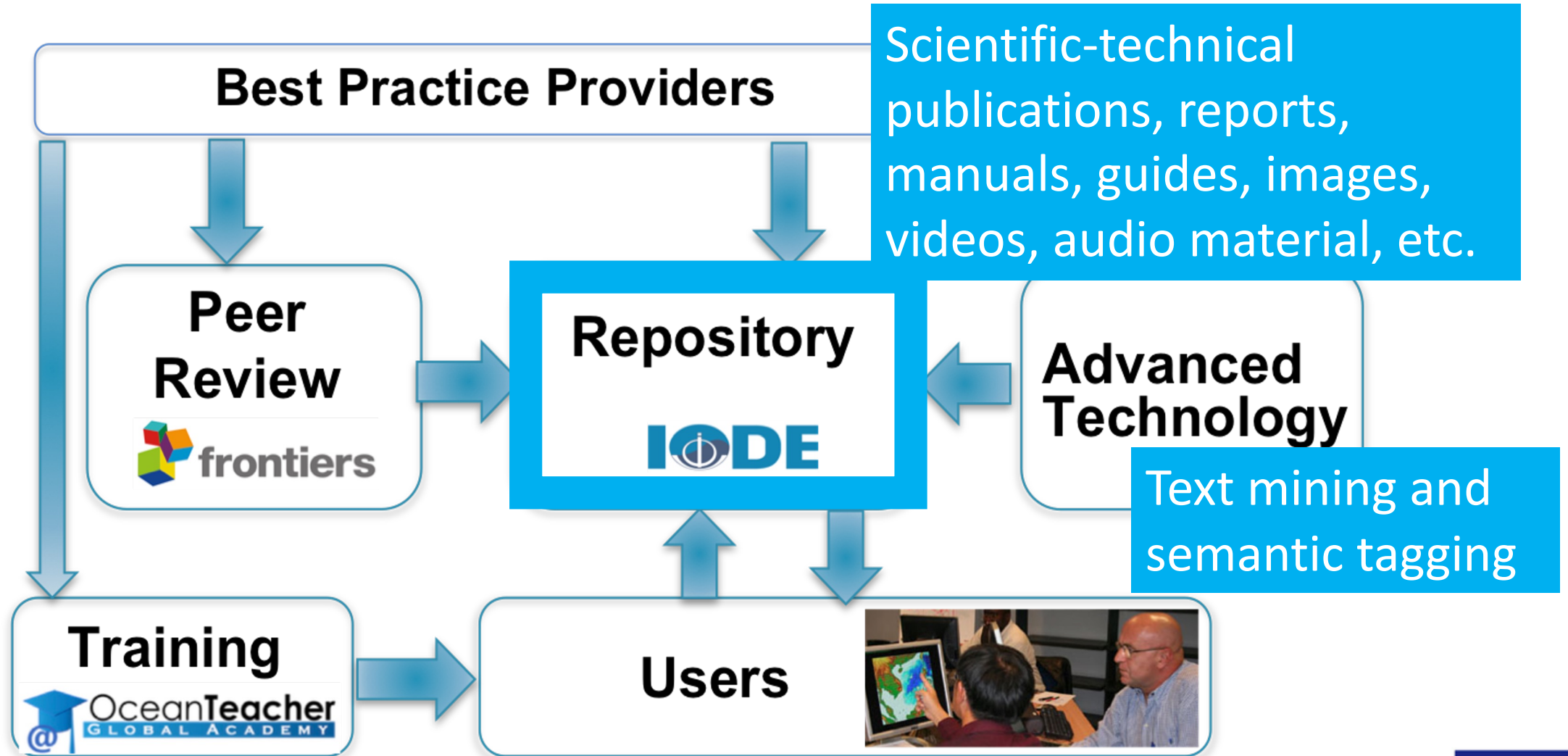
(using the Ocean Best Practice System)



<https://repository.oceanbestpractices.org/handle/11329/1291>

# Establishing a Repository for Arctic Practices

(using the Ocean Best Practice System)



<https://repository.oceanbestpractices.org/handle/11329/1291>