

# CAPARDUS: Capacity-building in Arctic Standardisation Development

A Coordination and Support Action 2020-2022

Coordinator

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# Objectives

- *Establish a comprehensive framework for development, understanding and implementation of Arctic standards*
- *Identify and document common practices as basis for development of standardization, building on the Ocean Best Practice System*
- *Bring stakeholders, including researchers and service providers, Indigenous and local communities, commercial operators and governance bodies, together to build an Arctic 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

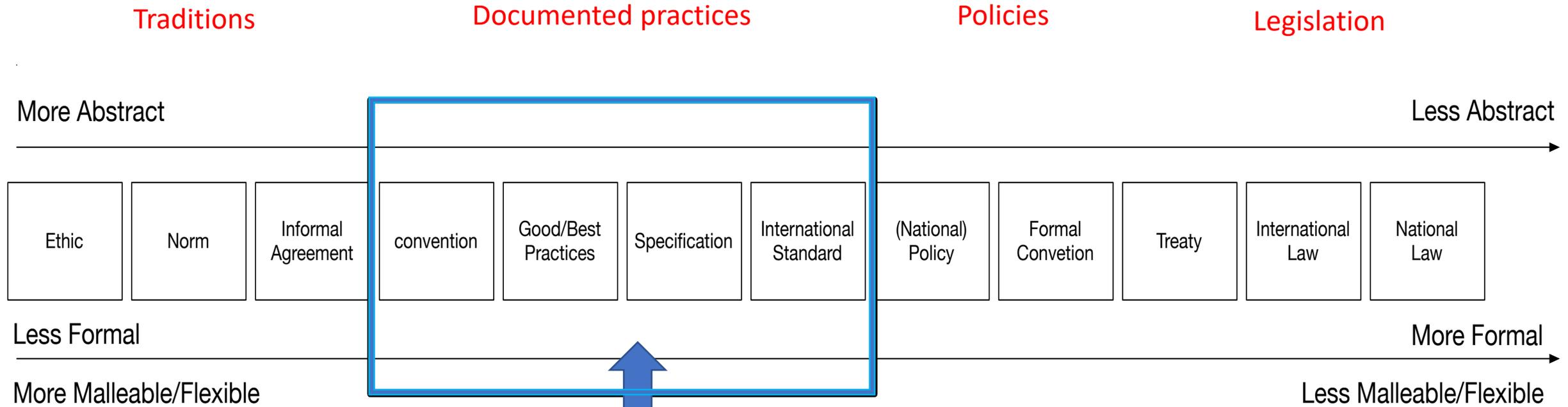
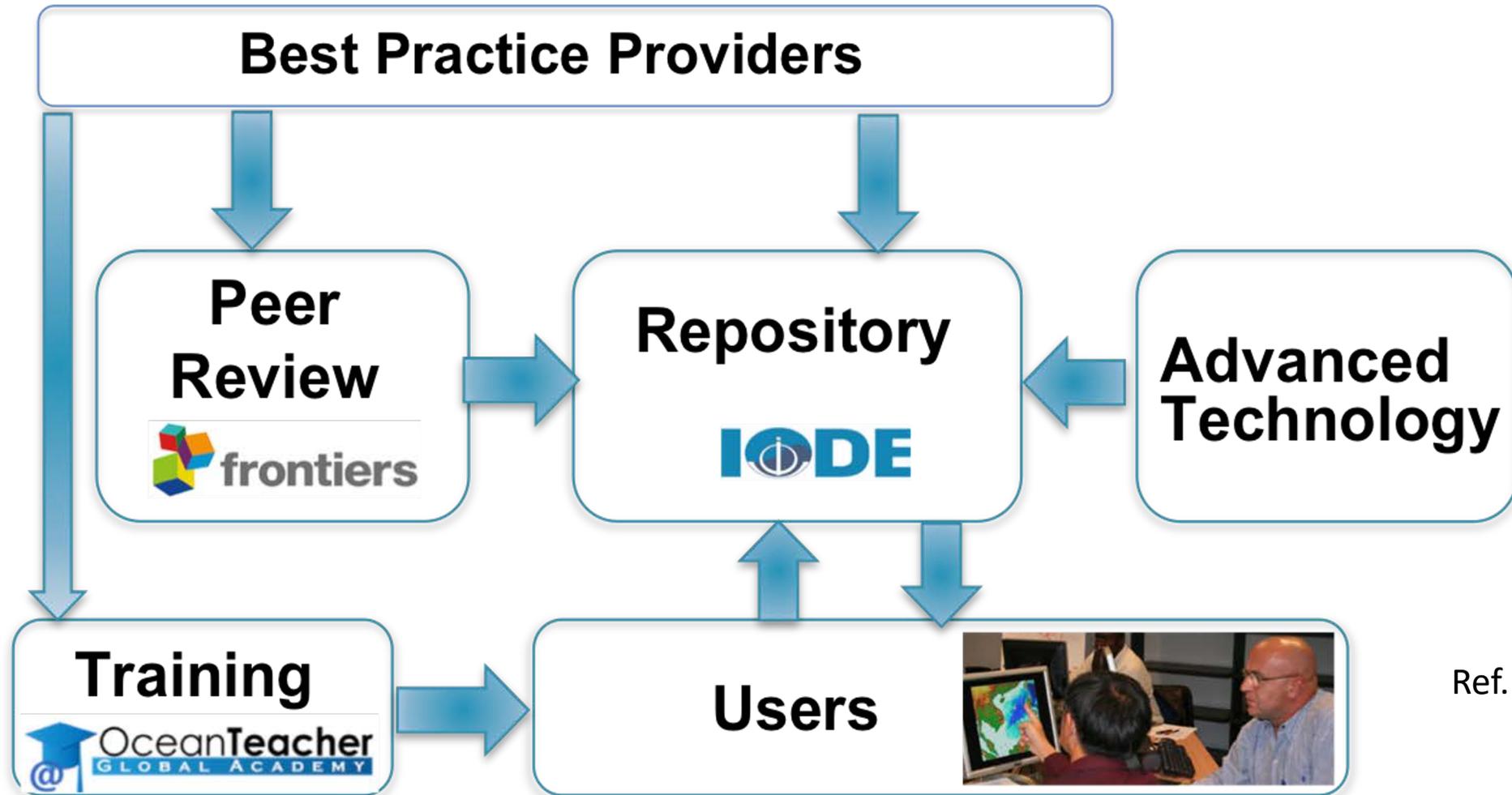


Diagram P. Pulsifer, based on Pulsifer et al. 2019

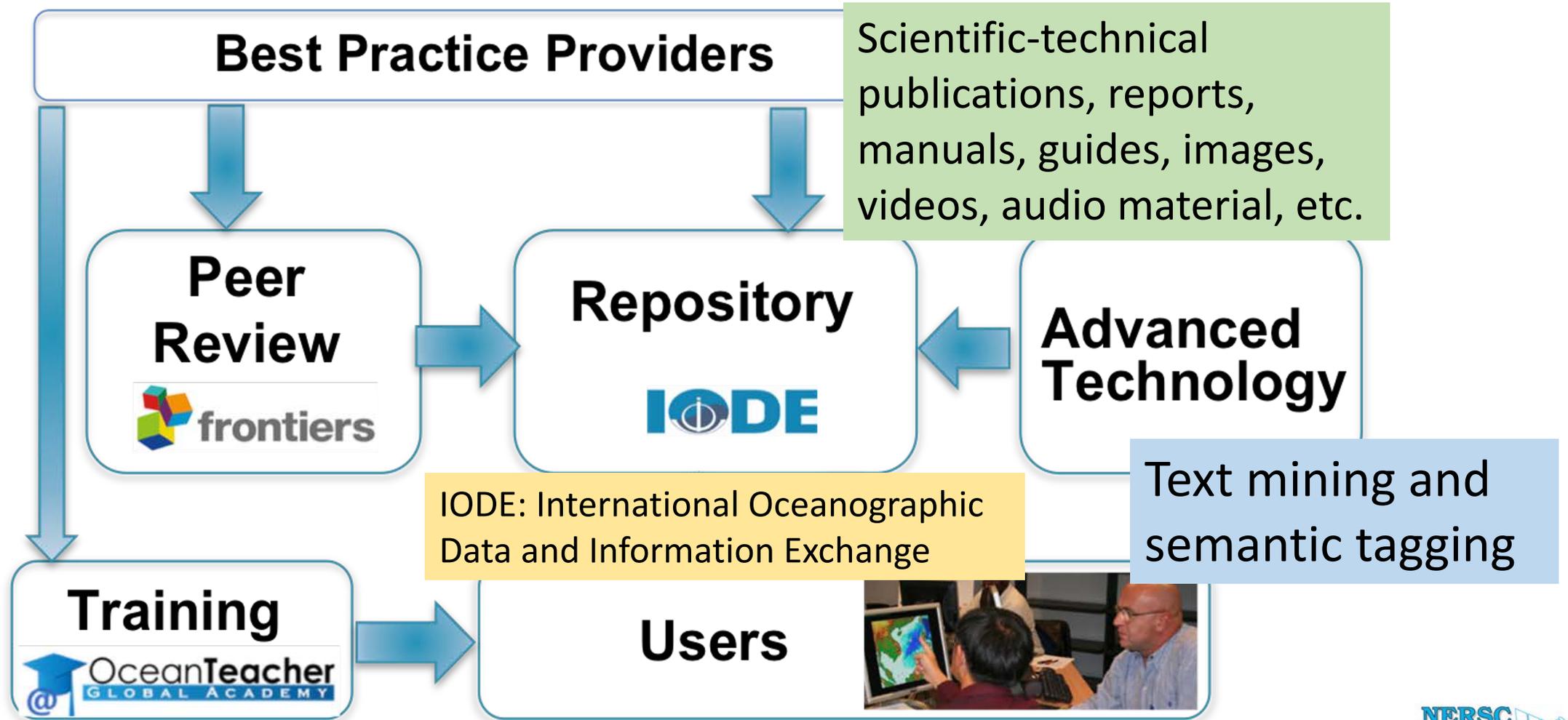
**CAPARDUS will address scientific activities and data collection related to natural resource management, tourism, safety and community planning and decision making**

# Establishing a Repository for Arctic Practices (using the Ocean Best Practice System)



Ref. Jay Pearlman

# Establishing a Repository for Arctic Practices (using the Ocean Best Practice System)



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

# CAPARDUS themes

- Observing system
- Data system
- Community planning and decision making
- Natural resource management
- Safety of operation
- Tourism
- Ethics, norms, responsible research, etc.
- Health, clean food and water



# CAPARDUS themes and sub-themes

- Observing system
  - Data system
  - Community planning and decision making
  - Natural resource management
  - Safety of operation
  - Tourism
  - Ethics, norms, responsible research, etc.
  - Health, clean food and water
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- Policy
  - Observing platform
  - Observed data transmission
  - Observed data, method, program
  - Data services
  - Community consultation
  - Indigenous observations/knowledge
  - “Western science” best practices
  - Etc.

# CAPARDUS document types

Type	Provisional definition
Method	a way of doing anything, esp. according to a defined and regular plan; a
Ethic	a system or set of moral principles; (in weaker sense) a set of social or personal values
Norm	a standard or pattern of social behaviour that is accepted in or expected of a group
Informal Agreement	an arrangement made between two or more parties and agreed by mutual consent
Convention	a rule or practice based upon general consent, or accepted and upheld by society at large
Guideline	a general rule, principle, or piece of advice
Standard Operating Procedure	a document which describes the regularly recurring operations to ensure that the operations are carried out correctly (quality) and consistently
Common Practice	something that is done frequently within a community of practice and is considered normal
Good Practice	a good practice is a successful experience that has been tested and replicated in different contexts and can therefore be recommended as a model.
International Standard	an internationally recognized exemplar of correctness, perfection, or some definite degree of any quality
(National) Policy	a principle or course of action adopted or proposed as desirable, advantageous, or expedient; esp. one formally advocated by a government, political party, etc.)
Formal Convention	an agreement between different countries that is legally binding to the contracting States
Treaty	a contract between two or more states, relating to peace, truce, alliance, commerce, or other international relation



# Approaching actors in the case studies – first step

## Survey of actors in Svalbard – preparation for a workshop

- What is your main sector ?
- Which topics are most important for you ?
- Knowledge about Arctic Council and its working groups
- Knowledge about practice, guidelines, standards, etc. in your sector
- How do practices, guidelines, standards, etc. develop in your sector ?
- Data access and use in your sector
- Knowledge and knowhow: how is documented, preserved and shared ?

# Approaching actors in the case studies – next step

- How do you store your methodological knowledge / knowhow?
  - Examples
    - Documents
    - Videos
    - Audio recordings
    - Dedicated human experts
- How do you manage your methodological knowledge / knowhow?
  - Examples
    - Document archive or library system
    - Human knowledge stewards
- How do you share methods with other communities?
  - Examples
    - oral transmission
    - visits and in-person training
    - Online
- What capabilities in methodology management, development, or sharing would you like to have?
- What concerns do you have about pan-Arctic methodology/knowhow sharing?
  - Examples
    - Theft of protected knowledge
    - Intellectual property management across different sovereign jurisdictions