

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

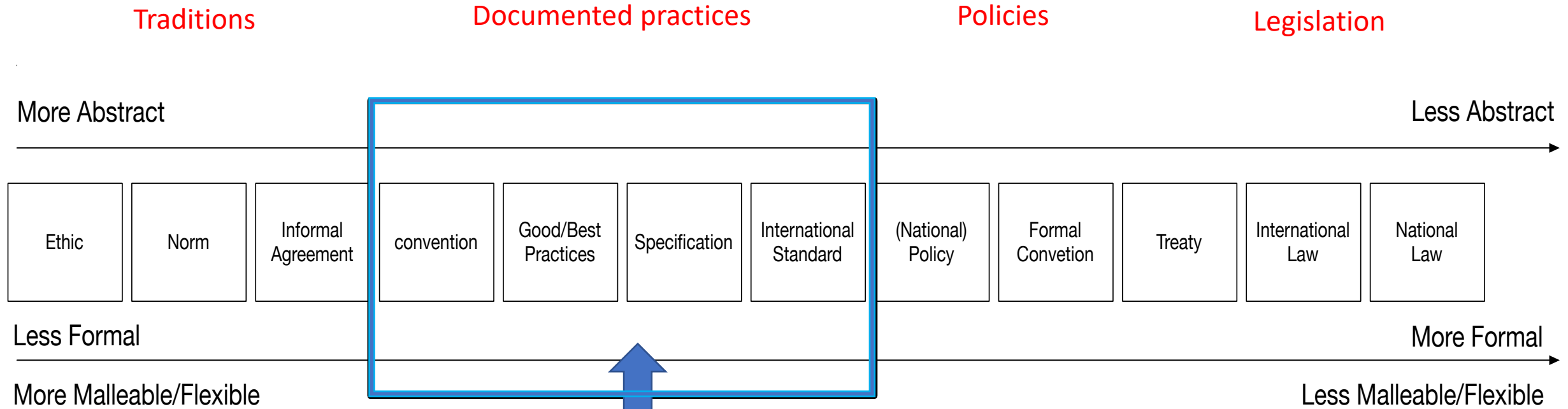
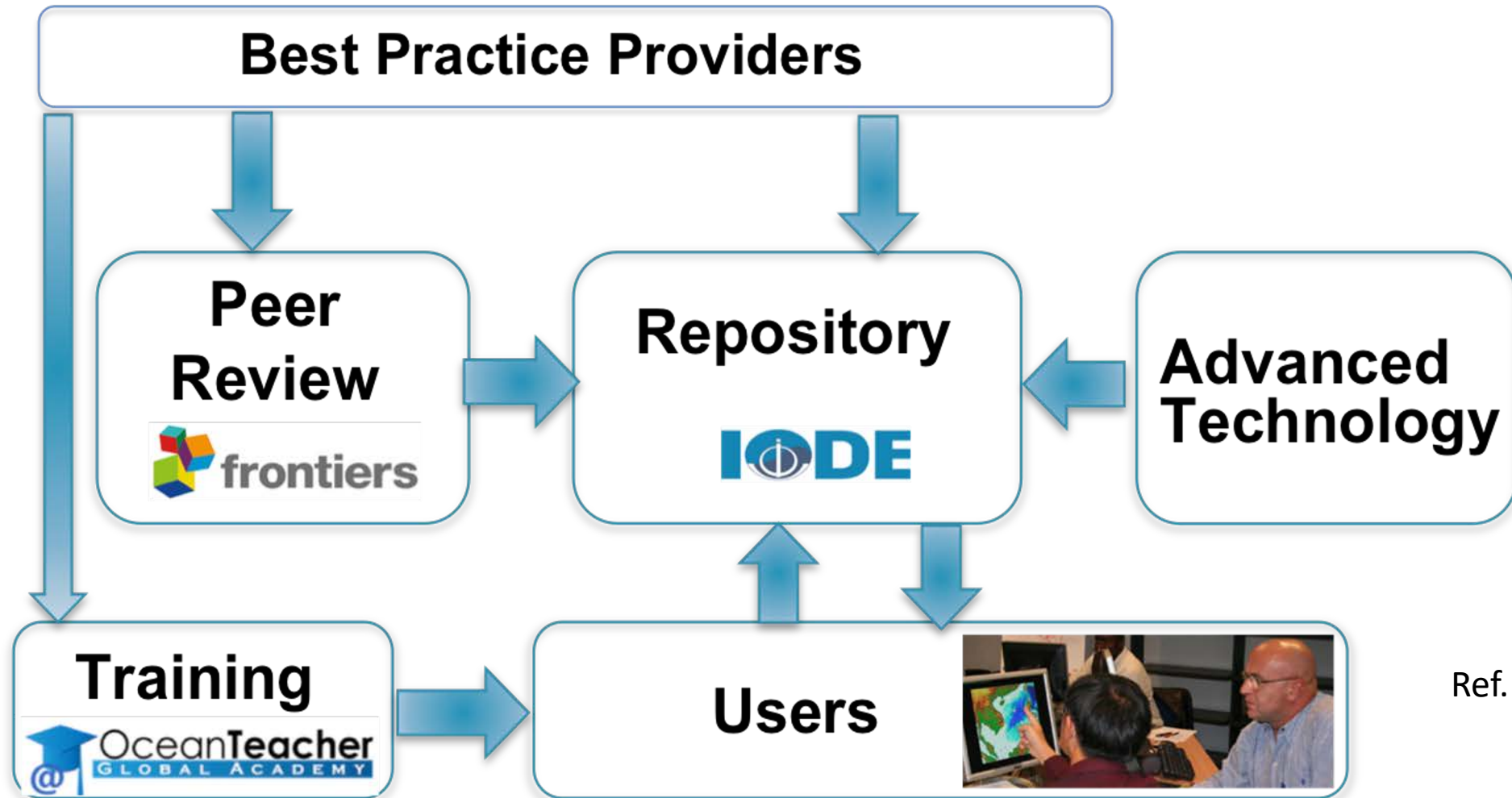


Diagram P. Pulsifer, based on Pulsifer et al. 2019

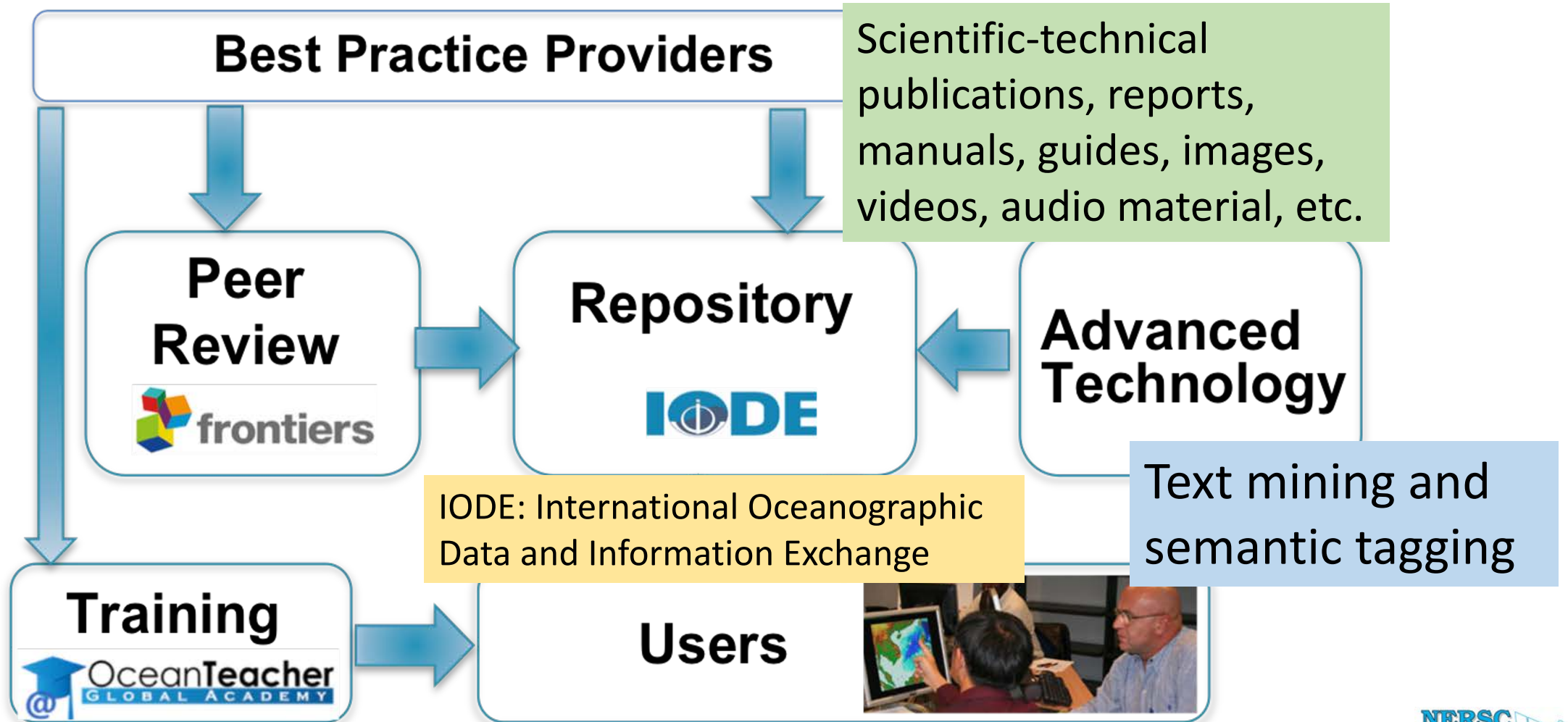
CAPARDUS will address scientific activities and data collection related to natural resource management, tourism, safety and community planning and decision making

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