

Arctic Practices



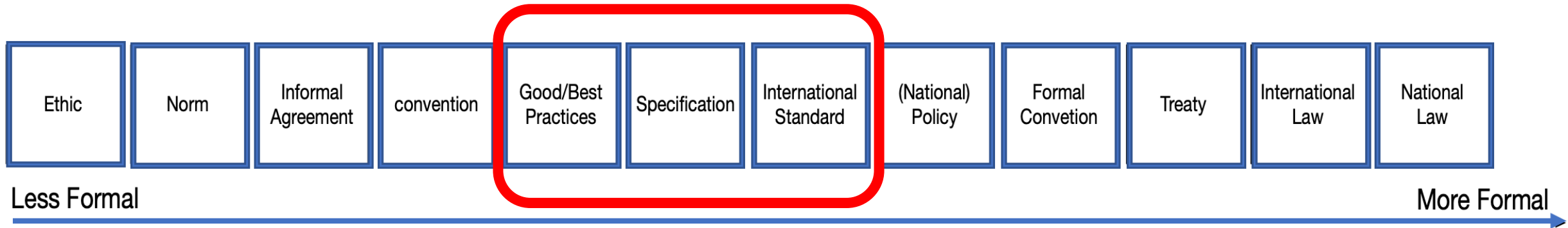
Photo Credit: Maia Hoeberechts

CAPARDUS 2022 Workshop Svalbard
Presented by Jay Pearlman, Pauline
Simpson, Neelu Singh and Siri Jodha Khalsa

Standardization continuum



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



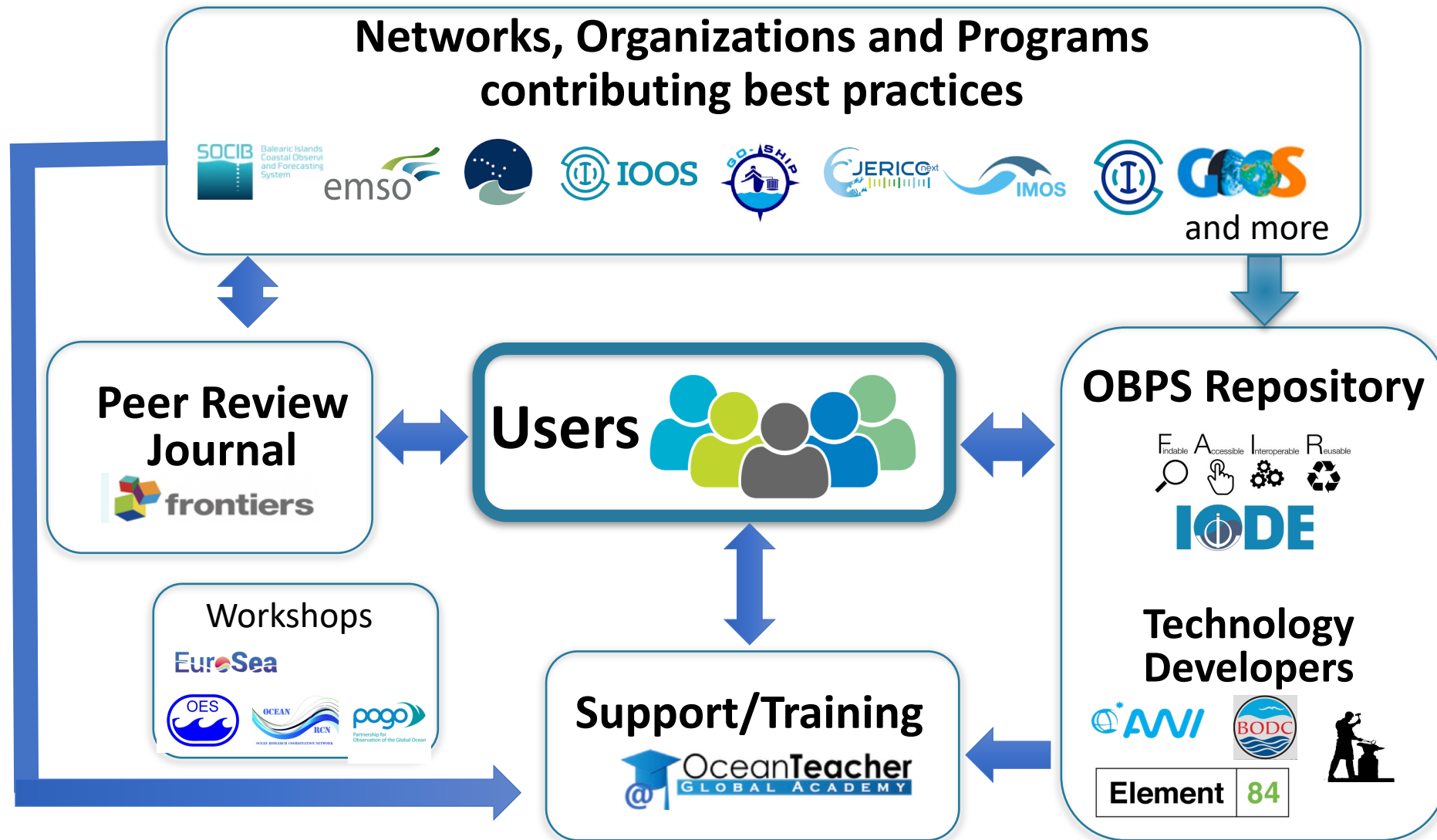
CAPARDUS reviews documents related to standardisation in selected Arctic regions in Greenland, Alaska, Russia and Svalbard

Words are messy

- Practices -
- Use Cases –
- Pilots -
- Repository –
- Value-chain -
- Metadata -

Important to explain what we mean when we use these words !

Ocean Best Practices System – Pilot for Arctic Practices System



Arctic Practices foster Quality

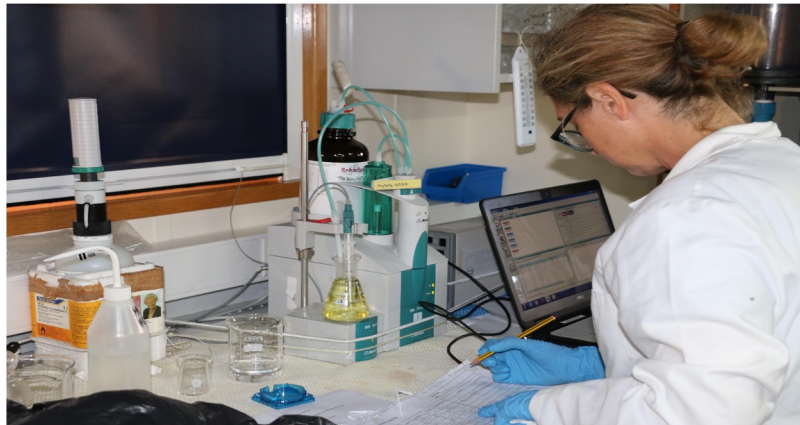


Quality and consistency of observations, information and outcomes

Efficiency (don't re-invent the wheel)

Transparency - Data traceability, reproducibility and uncertainty quantification

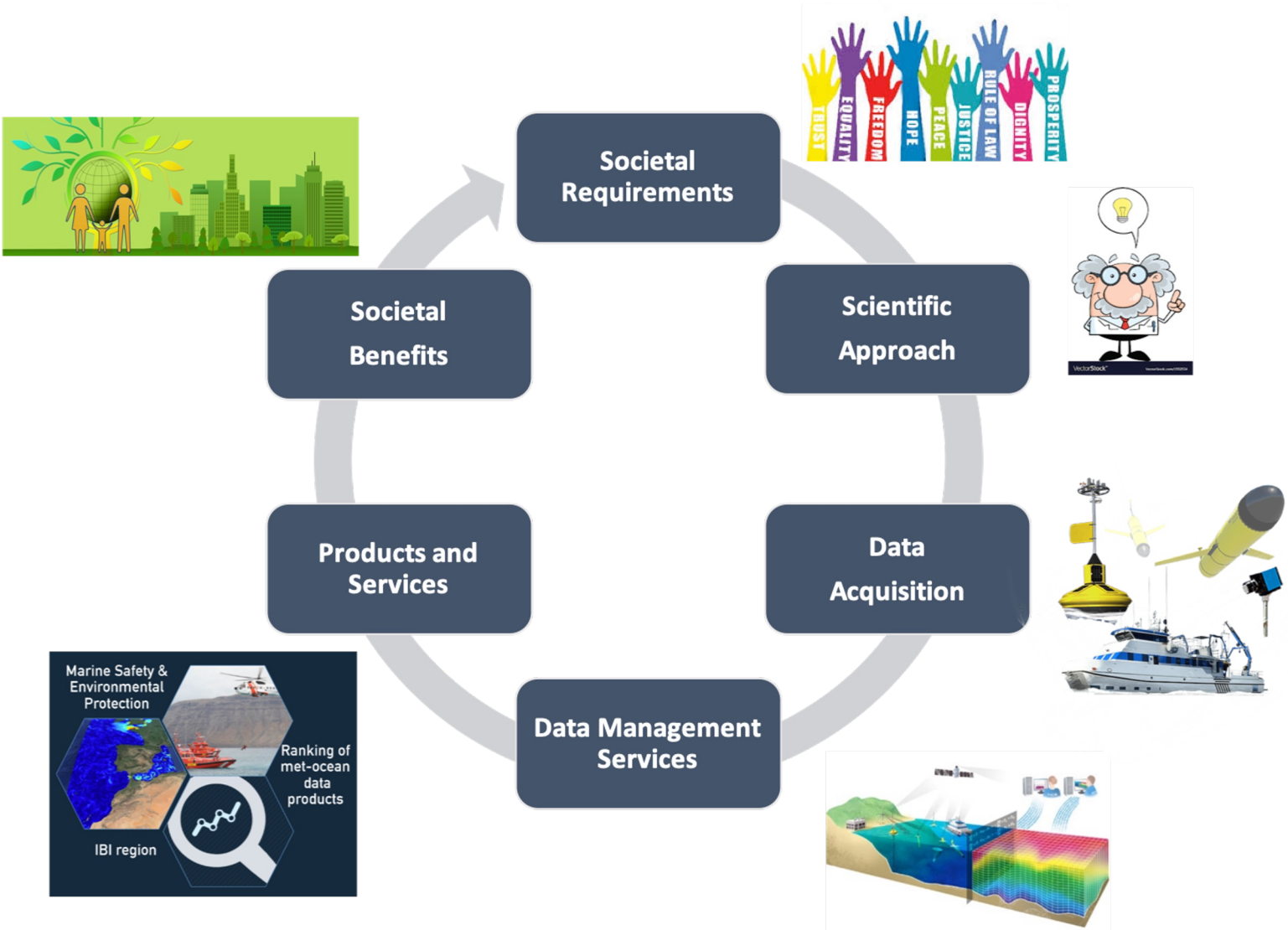
Resource for training and capacity development



Upper Photo courtesy of Sophie Seeyave, POGO

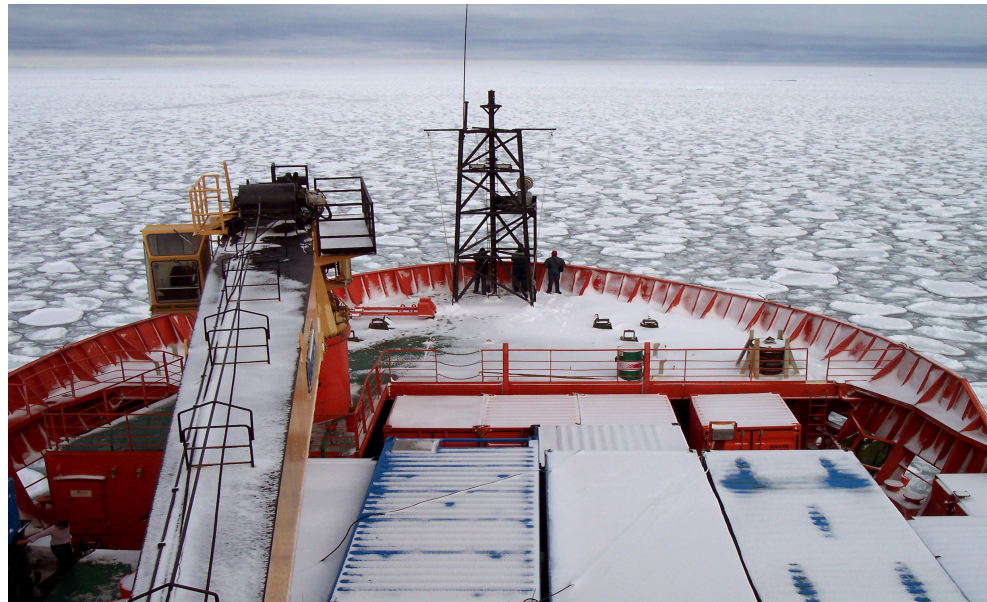
Arctic Practices create trust

Arctic Practices should support the full “value chain”



User Needs for Arctic Practices

- Preserving
- Discovering
- Accessing
- Understanding
- Usable



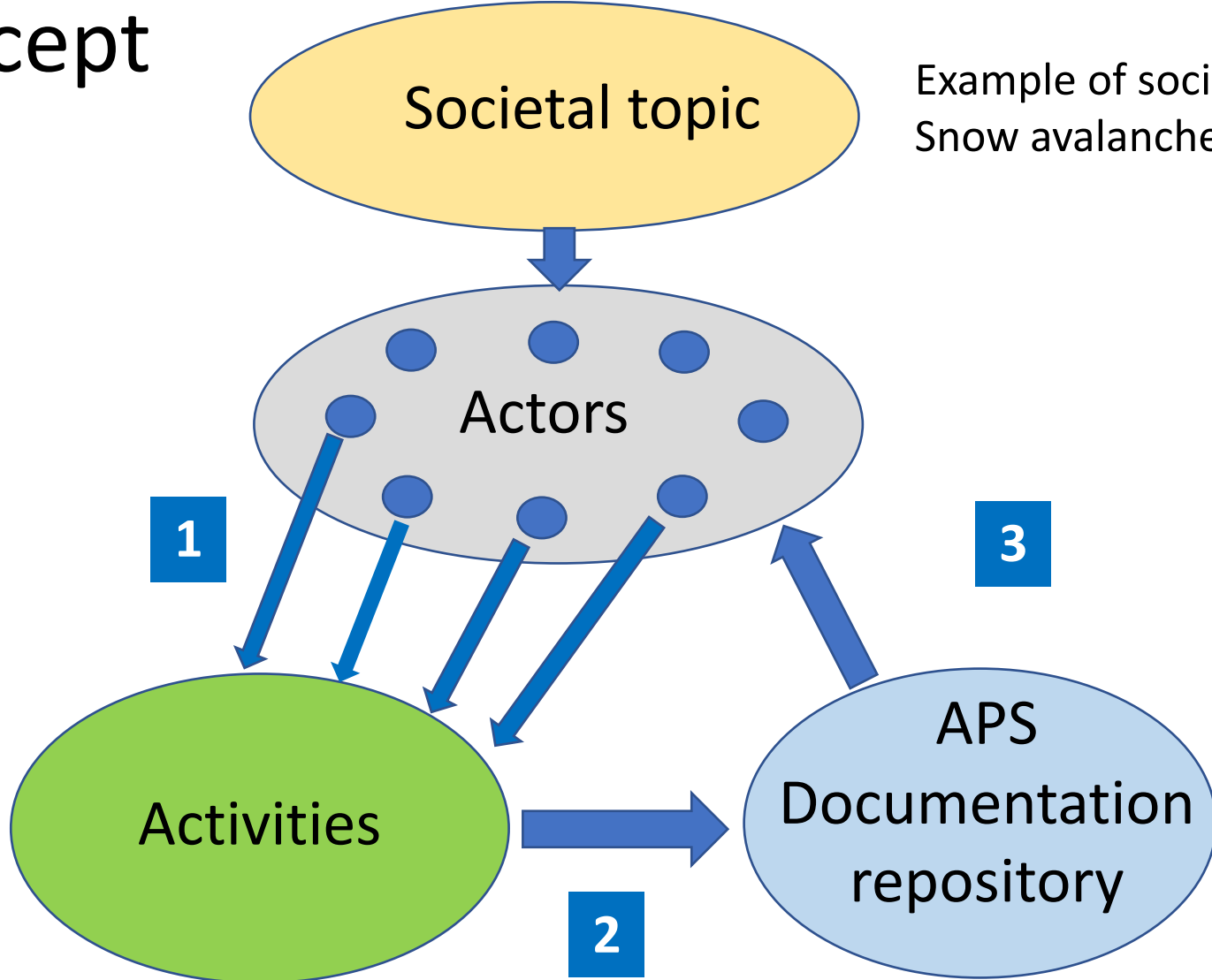
The APS concept

Actors are:

- Local community
- Research
- National agencies
- Government

Activities include:

- Snow observations
- Weather forecasting
- Planning
- Emergency actions
- Safety Center: training and capacity building



Example of societal topic:
Snow avalanche warning



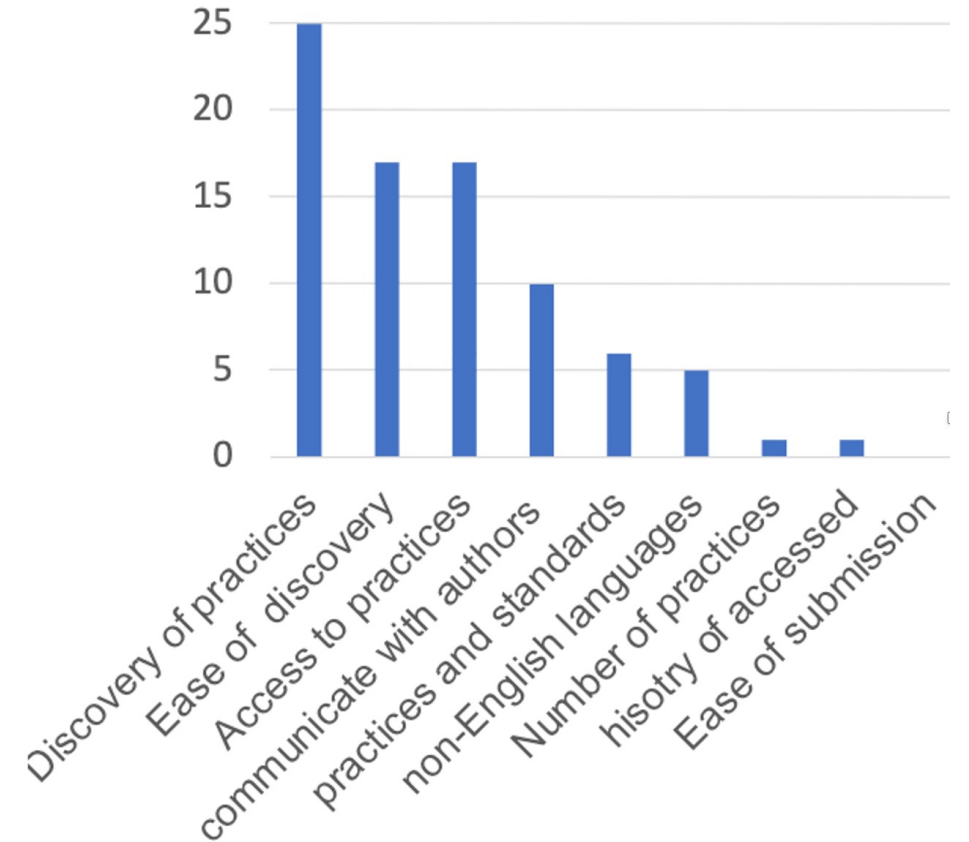
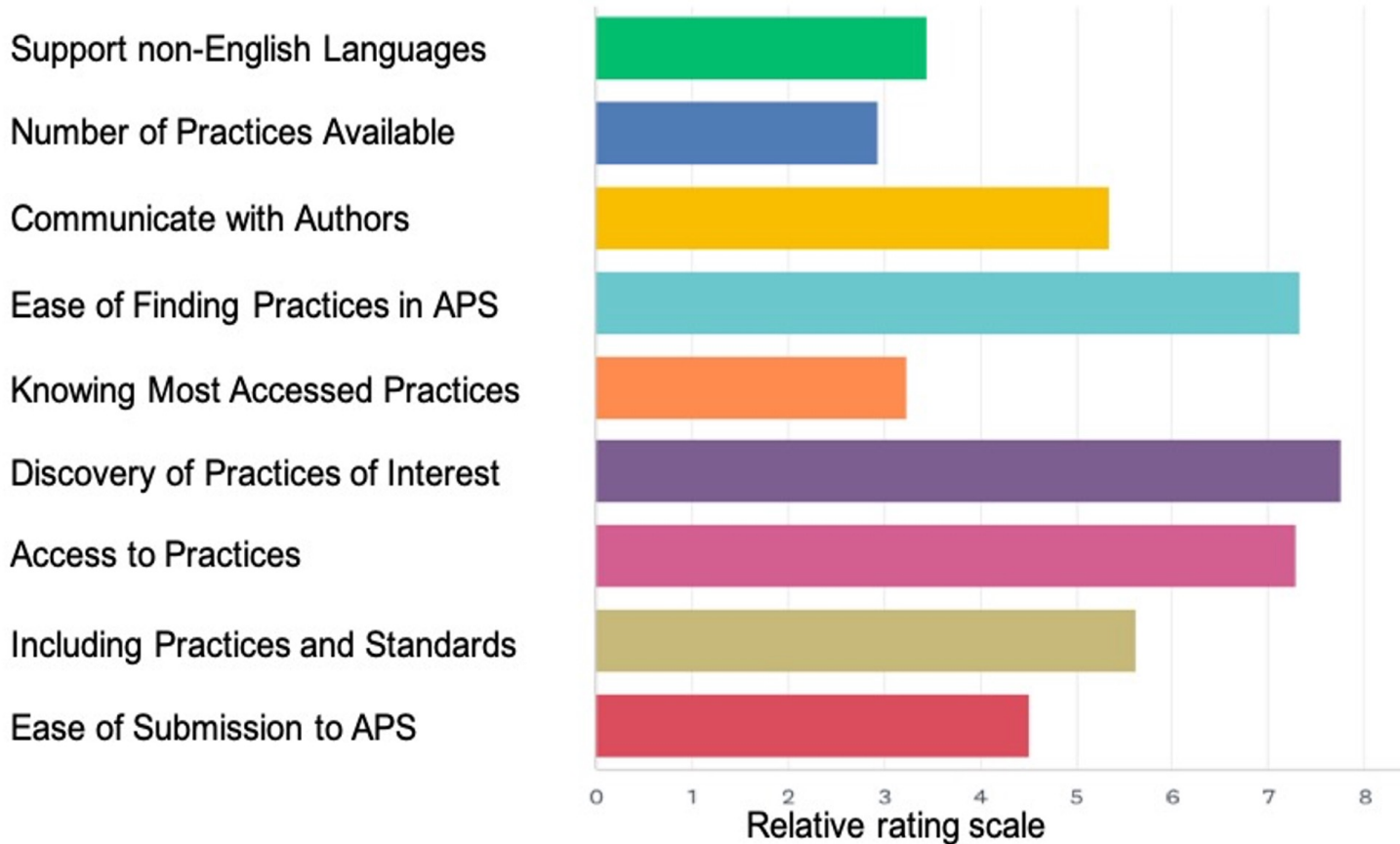
(1) Actors have knowledge about their activities, which is documented in reports, videos, etc.

(2) The documents are uploaded and stored in the APS

(3) Actor can search for knowledge in documents in the APS

The APS will grow as more actors upload more and more documents

Survey of requirements to an APS



In the survey the respondents were asked to prioritize the nine attributes above. 52 respondents replied

The three most important attributes are (1) Discovery of practices, (2) Ease of discovery, and (3) Access to practices

Looking 3-5 years ahead - what are the most important advances in maintaining and using practices?

“Better documentation and democratization”

“Evaluation - are practices being used in the ways that Arctic Indigenous peoples intended”

“Secured long-term funding”

“That practices become generally accepted by relevant stakeholders”

“Just having access to practices used across the Arctic with understanding that they may need to be flexibly adjusted to meet specific needs”

Arctic Practices – Challenges for discussion

What benefits could diverse communities derive from an APS?

How do we communicate these benefits?

How do we effectively and equitably engage all communities?



Thank you

For further information:

- CAPARDUS - <https://capardus.nerisc.no>
- Ocean Best Practices: oceanbestpractices.org
- White paper for AOS
https://arcticobservingsummit.org/wp-content/uploads/2022/03/2022_017_Pearlman.pdf