



UiT The Arctic University of Norway

Open Polar: a new open-access search service of publications and research data of Polar Regions

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Test the beta-version at openpolar.no



OPEN POLAR

The Global Open Access Portal for
Research Data and Publications on
the Arctic and Antarctic

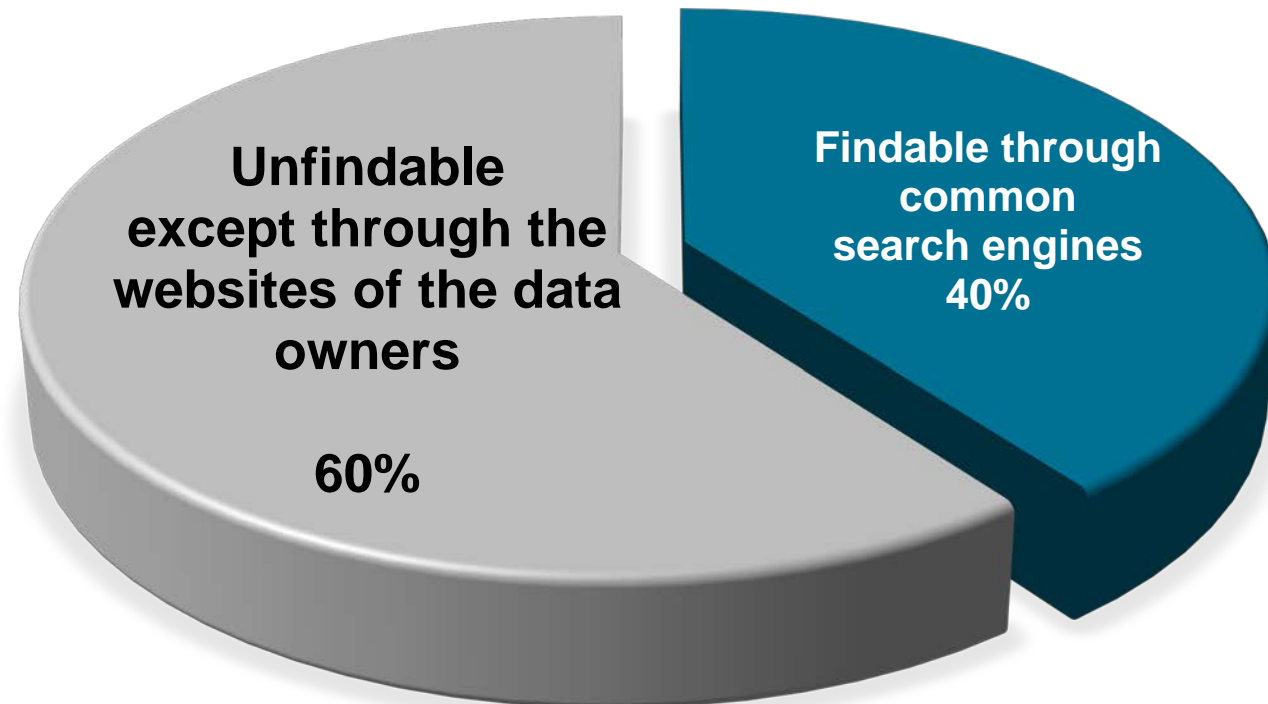


Why do we need the Open Polar?
What is the importance of the Open Polar?

Why do we need the Open Polar? What is the importance of the Open Polar?

There is findability gap of around 60% of the open-access records (e.g., publications and research data) published about the polar regions.

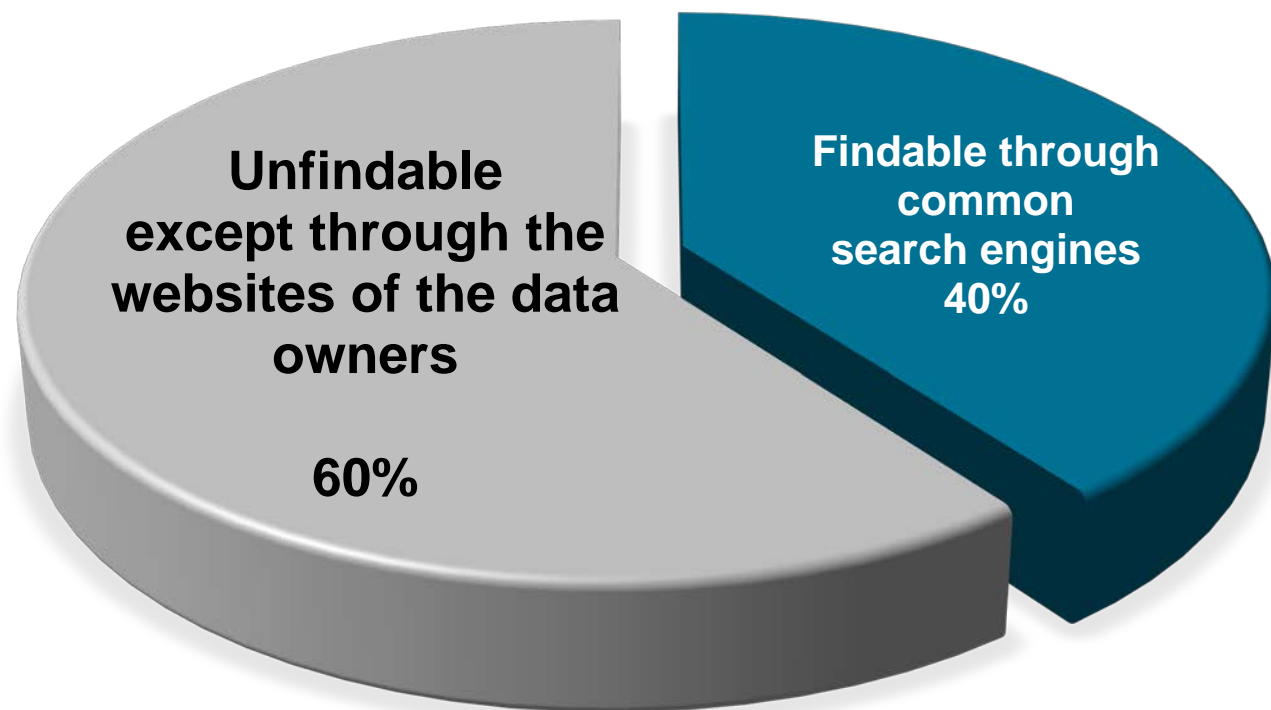
The findability gap is around 84% in social science and indigenous knowledge (Johnson et al. 2019).



Reasons for such gap

- Lack of technology
- Lack of time
- Lack of the awareness of the needs to make these records searchable through one service

Why do we need the Open Polar? What is the importance of the Open Polar?



This 60% findability gap raises an awareness sign of the need to create a homogeneous, seamless database of the open-access records about the polar regions and making this database available to researchers, students and the wider public through one search platform



How can we do that?

Sources of Metadata

Open-access providers

Open-access providers behind log-in pages

Getting the metadata

Through BASE
(*Bielefeld Academic Search*)

Harvesting using API

Interantional/national cooperation
by providing us XML files

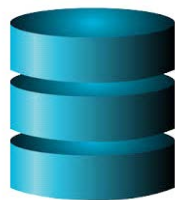


Based on a database of more than 270.000 locations covering the entire Polar Regions

Enrich the metadata of each records
By defining the geographic location

Filtration Process using filtration key words
(11000 keywords)

Building up the Open Polar Database

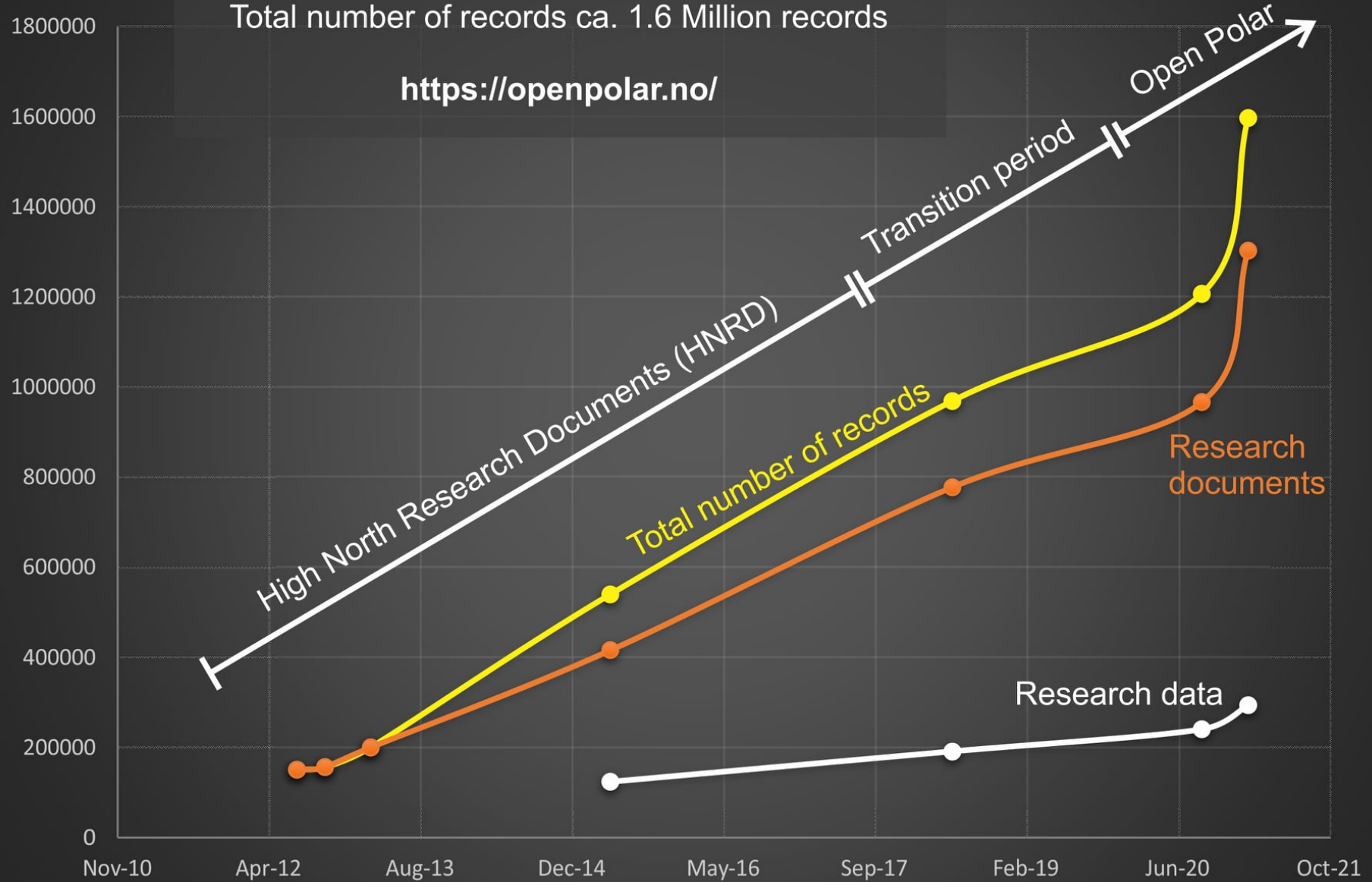


Using the user-interface to provide the end-user with access to the Open Polar Database

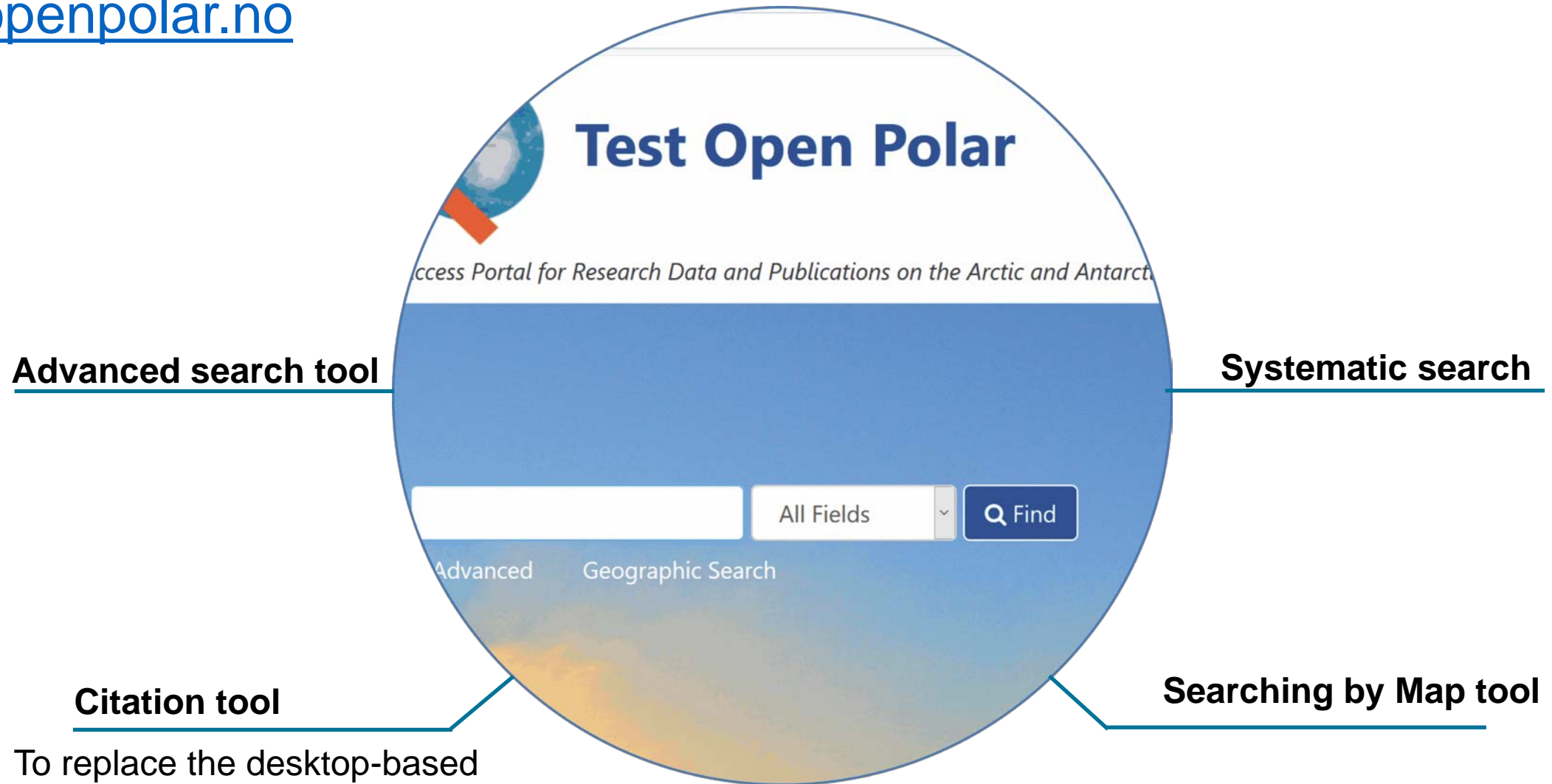
Progress in HNRD/Open Polar database

Total number of records ca. 1.6 Million records

<https://openpolar.no/>



Use-interface based on open-source platform <https://vufind.org/vufind/>
openpolar.no



Advanced search tool

Systematic search

Citation tool

To replace the desktop-based citation management software (e.g. Endnote, RefWorks)

Searching by Map tool

All Fields

Find

Advanced

Geographic Search:

North

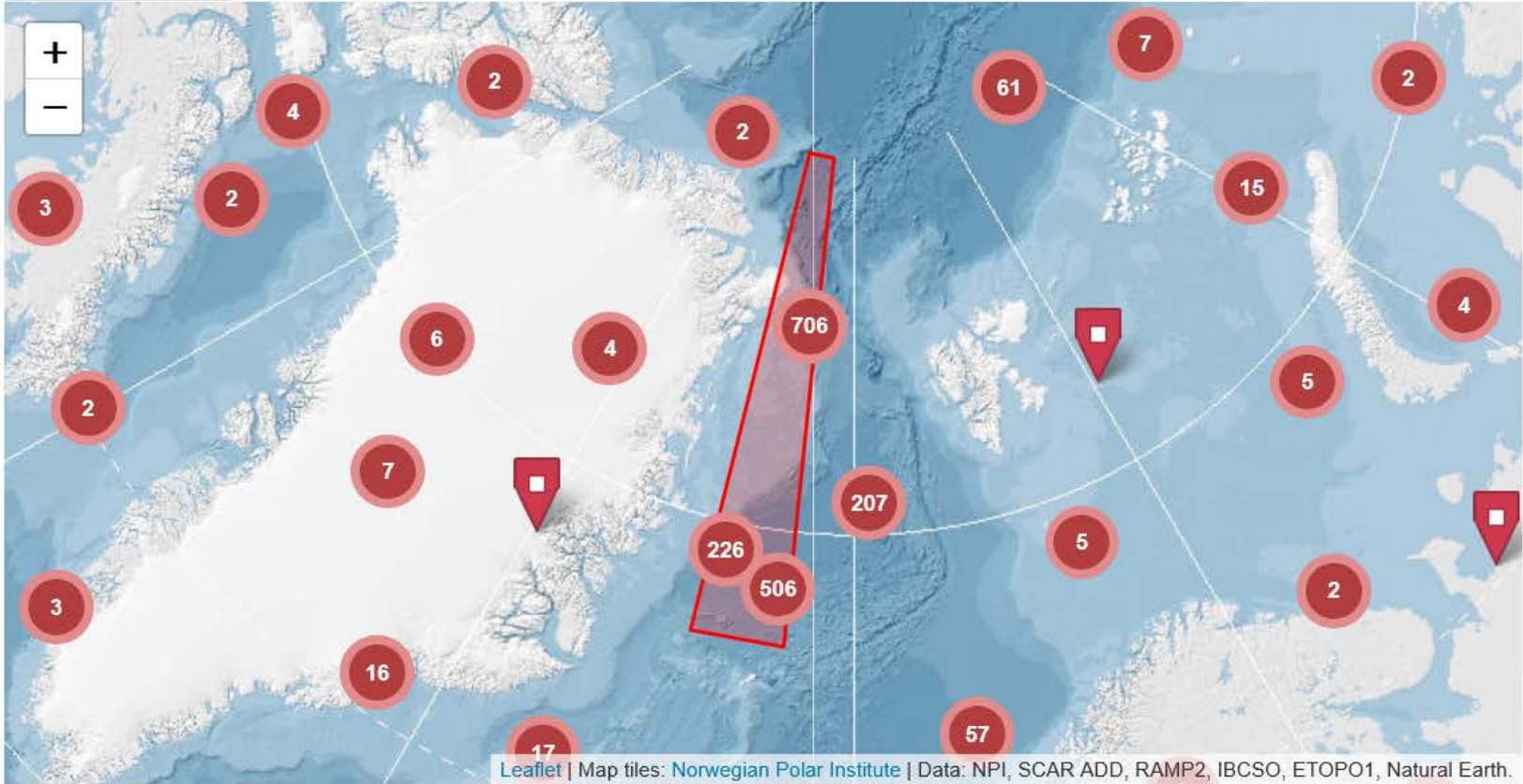
South

Reset Filters

Geographic Search: **Intersects(ENVELOPE(-14, -6, 85, 72))**

Search Results

Draw Search Box [Need Help?](#)



Suggested Topics within your search.

- Polarstern **1,451**
- DEPTH **916**
- Temperature **867**
- DATE/TIME **823**
- LATITUDE **812**
- LONGITUDE **811**
- water **756** [more ...](#)

Narrow Search

Content Provider	Count
PANGAEA - Data Publisher for Earth & Environmental Science (AWI Bremerhaven / MARUM Bremen)	2,401
Research Data Australia (Australian National Data Service - ANDS)	107
OceanRep (GEOMAR Helmholtz Centre für Ocean Research Kiel)	4
DataCite Metadata Store (German National Library of Science and Technology)	2
Open Grey (OG)	2
University of Vienna: Phaidra	2
more ...	

Advanced Search

Search for:

[+ Add Search Field](#)

All Fields



Match:

ALL Terms



[+ Add Search Group](#)

Find

Clear

Limit To

Language:

Croatian
Czech
Danish
English
Finnish
French
German
Icelandic
Italian
Japanese

Document Type:

Article in Journal/Newspaper
Audio
Bachelor Thesis
Book
Book Part
Conference Object
Dataset
Doctoral or Postdoctoral Thesis
Journal/Newspaper
Manuscript

Year of Publication

From:

To:



Find

Clear

Applied Filters

select all

Geographic Search

Intersects(ENVELOPE(-21, -16, -62, -77))

Search Tips

[Help with Advanced Search](#)

[Help with Search Operators](#)



Why Open Polar is a unique service?

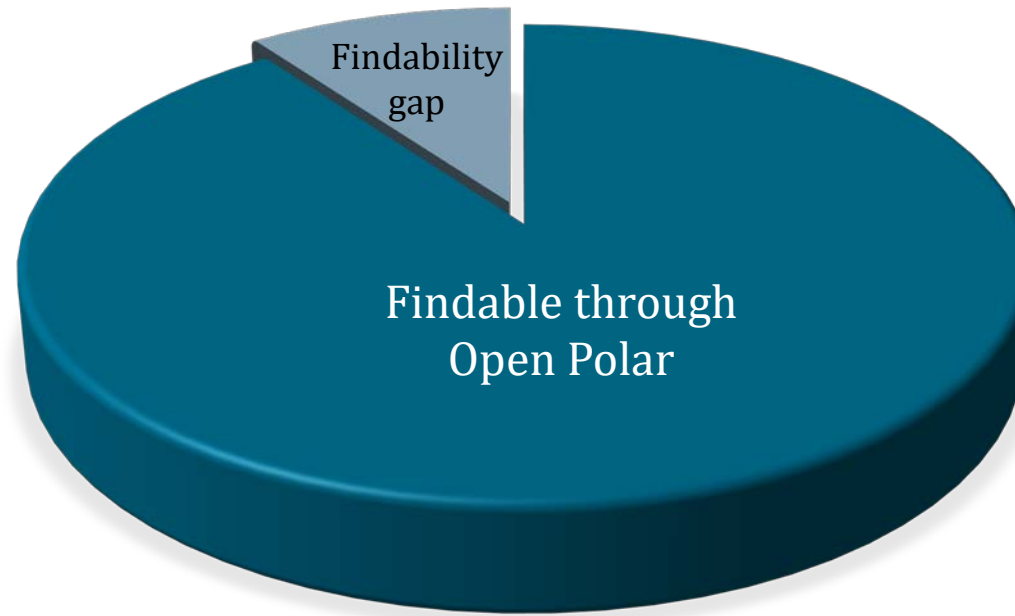
Open polar meets the needs of the scientific community

- Include both research data and publications
- Focus on Polar Regions (1,700,000 records)
- Reduce the search time (just polar related records)
- Help researchers to find open-access data and publications vs. commercial databases

Based on advice from:

Reference Board

a multi-disciplinary selected group of researchers and scientists who give continuous advices on the content, and how to present it.



Open Polar will help to reduce this 60% findability gap.



openpolar.no

