



NAROS

building a service on the shoulders of OAster

Leif Longva, University of Tromsø

DSUG Göteborg

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NAROS – what



NAROS: Northern Areas Open Scholarly Documents

- A search service:
 - Scholarly documents with thematic relevance to the Northern Areas
 - Open and freely available documents
- But *not* a subject or thematic archive
 - Metadata only



NAROS – why



Easy access to scholarly documents on
The North for

- Scholars
- Public administration
- Business
- The interested public

NAROS – but why



”Documents relevant to The North”

- Not easily defined scope
 - Easy to miss relevant documents in general or subject specific search services
- Documents in ”foreign” subjects may be of interest to scholars
 - Awareness of such documents through NAROS

NAROS – how



NAROS – a subset of the OA corpus

- We download locally the entire OAster (through rsync)
- We filter out the records that are thematically related to The North
 - by searching through OAster

NAROS – how



Utilizing the OAI-PMH: Structured metadata in the repositories world wide

Filtering out records from OAIster

But not tying ourselves to the OAIster mast

Alternatives or additional services to OAIster exist

NAROS – how



Filtering records for NAROS:

- Crucial issue: selecting the filtering terms
- Two lists of filtering terms:
 - 1: Terms filtering records directly qualified for NAROS
 - 2: Terms filtering records needing manual scrutiny

Examples of filtering terms

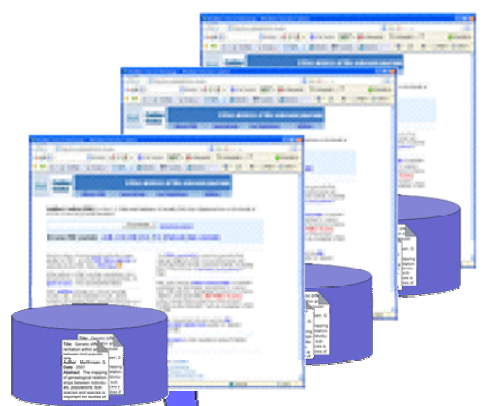
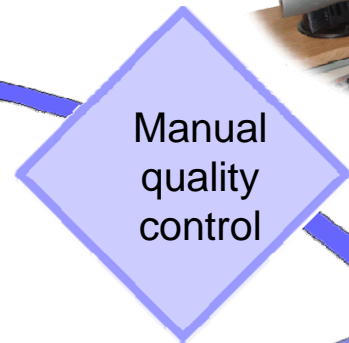


Automatically qualified records:

Category	Term	#
Geography	Thule AND Greenland	81
Geography	Baffin Island	153
Species	Rangifer tarandus	104
Species	Gadus morhua	336
Project title	Study of Environmental Arctic Change	3
Project title	Arctic Monitoring and Assessment OR AMAP	37
Institution	Norwegian Polar Institute	1041
Institution	Scott Polar Research Institute	17
Journal title	Polish Polar Research	4

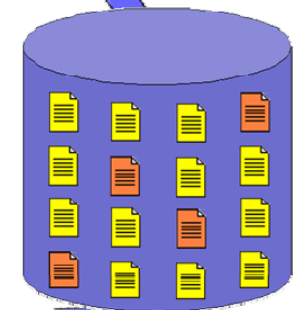


A database for northern area-related open access scholarly documents



Extracting NAROS will apply filtering algorithms to extract northern areas-related open access documents, based upon harvested metadata

keywords
phrases
species names
research programs
authors' affiliation
journal titles



First test results



Applying version 0.1 of the two lists of filtering terms produced:

- Directly qualified records: 81 245
- Records for manual scrutiny: 26 038
- From 612 different sources in OAlster

Quite encouraging!



The long tail

16 sources \Rightarrow 72% of the records

315 ($>50\%$ of the) sources \leq 10 records

By filtering through the entire OAster, we also get the records from the odd sources

NAROS – labour intensive?



26 000 records in need of manual scrutiny

In the pilot project:

- Two graduate students hired to go through these
- Time consumption: Average 25 seconds per record
 - Fairly high standard deviation

NAROS – labour intensive?



The 26 000 records is a one time effort
From here on, only the records added (to
OAlster) since last download will be
filtered

The filter lists, however, will still need
intelligent effort to be improved

Bergen Open Research Archive: The Iceland-Faroe inflow of Atlantic water to the Nordic Seas - Mozilla Firefox

Colorado State University Libraries | Digital Collections : Item Viewer - Mozilla Firefox



ePIC: Electronic Publication Information Center from Alfred Wegener Institute for Polar and Marine Research (AWI), Germany - Mozilla Firefox

SOAR at Wichita State University Libraries: Item 10057/830 - Mozilla Firefox

Munin: Petrodevelopment 2030: Socio-economic consequences of an extensive oil and gas development in the Barents Sea - Mozilla Firefox

http://www.ub.uit.no/munin/handle/10037/1242

Munin: Petrodevelopment 2030: Soci...

UB UIT NORA

Hjem Vis **Innlevering** Hjelp Om Munin Administrasjon

Munin > Fakultet for biovitenskap, fiskeri og økonomi > Institutt for samfunns- og markedsfag > Artikler, rapporter og annet (samfunns- og markedsfag) >

Denne identifikatoren kan du bruke til å sitere eller lenke til denne innførselen: <http://hdl.handle.net/10037/1242>

Tilhørende dokumenter:

Fil	Beskrivelse	Størrelse	Format
report.pdf		2051Kb	Adobe PDF Åpne

Denne innførselen er lisensiert under en [brukslisens](#).
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Tittel: Petrodevelopment 2030: Socio-economic consequences of an extensive oil and gas development in the Barents Sea

Forfatter: Arbo, Peter
Hersoug, Bjørn
Sand, Jan Yngve
Østbye, Stein
Didyk, Vladimir
Nilssen, Inge Berg
Nygaard, Vigdis
Riabova, Larissa

Dato: Oct-2007

Sammendrag: The theme of this report is the regional socio-economic consequences of an extensive oil and gas development in the Barents Sea. The regional focus area includes Finnmark County and Murmansk Oblast. The introductory chapter explains the purpose of the study and the way the work has been done. The next two chapters provide a detailed account of the region and its basic

NAROS – moves on



We need to:

- Put effort into the filtering lists
 - Adding, removing and improving terms and filtering algorithms
 - Translating the lists into: German, Russian, Italian, French, Swedish, Inuit, ...
- Post project: NAROS needs an editor

NAROS – moves on



Developing the user interface

- Searching: "Refine my results"
- Faceted navigation
- Browse options

Awareness-service – News alerts (RSS)

User feedback

- To improve the lists of filtering terms
- Identify documents not belonging in NAROS

Annotation options

Saving and sharing references

Added value – the key to a valued service!

naros

northern areas open scholarly documents

provides you now with fulltext access
to 98 576 documents from 612 sources

[about](#) [news](#) [using naros](#)

*Knowledge is paramount and
making knowledge widely and
readily available to society is
what open access is all about*

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[Extended search](#)

[Show sources](#)

Prototype GUI for a NAROS portal

NAROS news:

- updated with 10 000 more documents (8.10.09) [\[More\]](#)
- supported by the Arctic Universities (1.9.09) [\[More\]](#)
- now offer extended faceted result list (20.8.09) [\[More\]](#)

Whats up?

- Conference in Thule on shrinking polar ice cap [\[More\]](#)
- UN declaration on support for polar bear [\[More\]](#)
- The universities in Calgary and Tromsø will expand the research cooperation in the Arctic [\[More\]](#)

Help us to improve NAROS

- by giving us feedback [\[How?\]](#)
- by informing us of new and relevant sources [\[How?\]](#)
- by relevant-tagging [\[How?\]](#)

NAROS is based upon
[OAister's](#) catalogue of
open access resources

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[Contact NAROS](#)



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NAROS – viable?



The idea and the pilot have been presented for various key persons, who have encouraged us to move on

Next to do:

- Establish the funding for a permanent service
- Improve and enhance the filtering lists
- Evaluate OAlster as the source
- Test alternatives and/or supplements to OAlster
- Release an alpha version to a set of interested users, and get their opinion on the content
- **Launch: Fall 2010**

Comments or suggestions



on our method and other things are most
welcome

Thank you