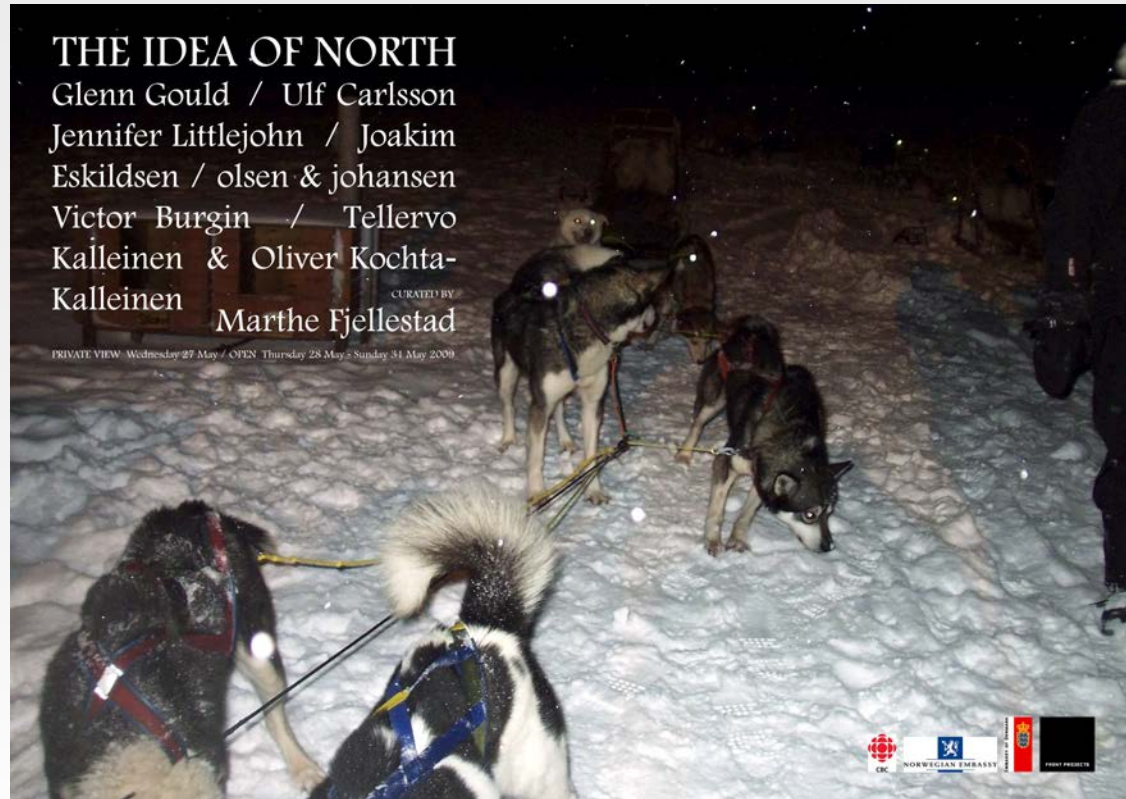




Library, Archival, Information, and Data Sciences in the Arctic

Marthe T. Fjellestad





The Idea of North, Front Projects, London, 2009. Exhibition poster.
Photo © Jennifer Littlejohn: The Dogs, from Expedition to the Far North, 2009.



Marthe Tolnes Fjellestad & Solveig Greve

STARMAN

SOPHUS TROMHOLT
Photographs 1882–1883





MARCUS

Spesialsamlingene ved
Universitetsbiblioteket i Bergen

HJEM MENY OM



[Ved Isbre]



Zoom Jpeg



tilpass zoom ✓ - 🔍 🔍

Ukjent sted

Dette bildet er knyttet til emnene [Mann](#), [Isbre](#)

Samling



[Ørn Akselsens samling](#)

Fotografi skapt av

[Carl Bjørn Olsen](#)

Signatur: ubb-bs-ok-19821

Bestill

1

Velg produkt

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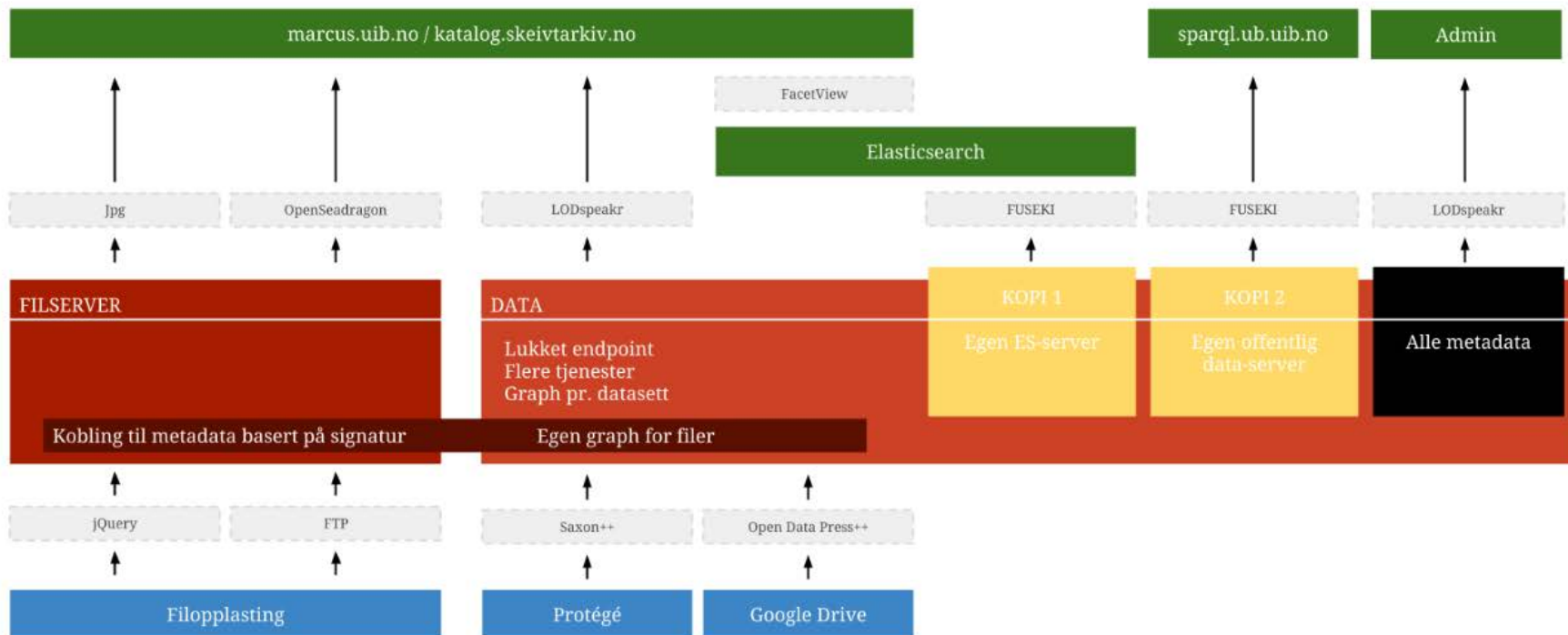
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marcus.uib.no/nstan



From marcus.uib.no – the University of Bergen Library Special Collections' online portal

Marcus infrastrukturen





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Polarforskningsnettverket

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Mye polarforskning ved UiB

En rekke forskere ved UiB jobber med problemstillinger knyttet til polare områder.

Områdene er globalt viktige med tanke på dyre- og planteliv, matressurser, klima, mineraler, urbefolkning, internasjonal havrett, skipstrafikk, miljø og økonomi, for å nevne noen tema.

Rektoratet ønsker å synliggjøre polarforskningen ved Universitetet i Bergen i større grad enn i dag, og bidra til økt samarbeid mellom forskere på tvers av fakultetene. Lykkes Universitetet i Bergen i dette arbeidet, vil det kunne danne grunnlag for et fremtidig flerfaglig senter for polarforskning. Nettverket er åpent for alle fast ansatte polarforskere ved institusjoner i Bergen.

Dag L. Aksnes	Institutt for biologi
Gisle Andersen	Sosiologisk institutt
Astri Andresen	Institutt for arkeologi, historie, kultur- og religionsvitenskap
Kuvvet Atakan	Institutt for geovitenskap
Jostein Bakke	Institutt for geovitenskap
Jon Bergh	NERSC
Laurent Bertino	NERSC
Nils-Kåre Birkeland	Institutt for biologi
Bjørn L. Basberg	Norges Handelshøyskole (NHH)
Hilary Birks	Institutt for biologi
Gunnar Bratbak	Institutt for biologi
Torleiv Brattegard	Institutt for biologi
Anne E. Bjune	Institutt for biologi
Karin A. Dahl	UNI Research Climate
Svein Olaf Dahl	Institutt for geografi
Helge Dahle	Matematisk Institutt
Dorothy Dankel	Institutt for biologi
Elin Dareljus	Geofysisk Institutt
Helge Drange	Geofysisk institutt
Jorun Karin Egge	Institutt for biologi
Nils-Arne Ekerhovd	Samfunns- og Næringslivsforskning AS (SNF)
Tor Eldevik	Geofysisk institutt
Ilker Fer	Geofysisk institutt
Øyvind Fiksen	Institutt for biologi
Marthe T. Fjellestad	Universitetsbiblioteket
Arild Folkvord	Institutt for biologi
Lars Forsberg	Institutt for arkeologi, historie, kultur- og religionsvitenskap
Tore Furevik	Geofysisk institutt
Birgitte Furevik	Værvarslinga på Vestlandet (MET)
Tor Gammelsrød	Geofysisk institutt

Our key question:

- How can, and do, library, archive, information and data sciences contribute to Arctic research in the humanities and social sciences?



Four overarching topics:

- Special collections, archives, and artefacts: Researching the Arctic in physical and digital formats
- Articulating the Arctic: Information representation, retrieval, and behaviour in indigenous, local, and regional languages
- Statistics, facts, and figures: Arctic social sciences data curation and management
- Libraries and museums as spaces for society and culture: Communication, display, and critique of Arctic people and place



Four upcoming papers cited, working titles:

- Effective indigenous terminology in Canadian legal research for the Arctic, by Nadine Hoffman, University of Calgary, Canada
- Toward a combination of preservation and utilization of an Arctic image collection: Creating a new publishing platform at the National Institute of Polar Research, Japan, by Yasuyuki Minamiyama, Hiroshi Kanda and Akiko Osaka, National Institute of Polar Research, Japan
- Repeat Photography and Archives: A Humanities-Based Dialogue with the History of Ice in Svalbard, by Tyrone Martinsson, University of Gothenburg, Sweden
- Exhibiting the Arctic: A humanities-based analysis of climate change exhibits at the Polar Museum, Tromsø, Norway, by Lena Aarekol, Hanne Hammer Stien and Marit Anne Hauan, The Arctic University of Norway (UiT)



First case:

Effective indigenous terminology in Canadian legal research for the Arctic, by Nadine Hoffman, University of Calgary, Canada

- Current terms describing indigenous people: not the same as yesterday
- In legal research: issue when locating case files
- Taxonomy awareness: applicable to multiple disciplines
- Not restricted to Canada, nor to legal research



Second case:

By Yasuyuki Minamiyama, Hiroshi Kanda and Akiko Osaka, National Institute of Polar Research, Japan

- Goal: preserve and disseminate images resulting from Arctic research projects
- Answer: creating a new publishing platform / Arctic image database
- Considerations: terminology, data input, selection/curation, access, dissemination strategies...



NIPR Image Archive

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NIPR_000010.jpg



NIPR_000009.jpg



NIPR_000008.jpg



NIPR_000007.jpg



NIPR_000006.jpg



NIPR_000005.jpg



NIPR_000004.jpg



NIPR_000003.jpg



NIPR_000002.jpg



Third case:

Repeat Photography and Archives: A Humanities-Based Dialogue with the History of Ice in Svalbard, by Tyrone Martinsson, University of Gothenburg, Sweden

- Ongoing project: visual mapping of glaciers in Svalbard
- Utilizing historic material:
 - Glaciers on maps from early 17th Century
 - Photographic records dating back to 1861
- Rephotography



4th case:

Exhibiting the Arctic: A humanities-based analysis of climate change exhibits at the Polar Museum, Tromsø, Norway, by Lena Aarekol, Hanne Hammer Stien and Marit Anne Hauan, The Arctic University of Norway (UiT)

- What role do museums/exhibitions play in communicating scientific research?
- Two exhibitions: Polar Night (2015) and Living Ice (2017) – part of larger research projects involving international research communities
- Combining science and arts to disseminate knowledge



POLARMUSEET I TRØMSØ – FRA 18. JANUAR 2015

POLARNATT

Liv og lys i mulm og mørke
POLAR NIGHT Life and light in the dead of night



Akvaplan
niva

NTNU
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UNIS

THE POLAR
MUSEUM

Mare incognitum

Unraveling the mysteries of Arctic marine systems

Mare - at a glance KROP (Observatories) ArcticABC FAAbulous Marine Night Smaller projects Finished projects Login

Mare Incognitum - mission statement

'Mare Incognitum' is the umbrella for several research projects exploring one of the least known marine ecosystems of the planet – the Arctic. We are situated in the Arctic and have the unique opportunity to study this exceptional marine system year round, including the Polar Night.

Follow @MareIncog



The Mare Incognitum projects are members of the ArcticABC research network.

The Mare Incognitum web pages are maintained by Marine Night technician David Hovland, UNIS.

The content is provided by the projects, for comments please check the project pages and contact the project leader.

Mission statements of the Mare Incognitum projects

Cleopatra II



We aim to obtain a better knowledge of Arctic zooplankton physiology and life history strategies to predict the degree of mismatch/mismatch of key biological processes at the base of the Arctic marine food web in a changing Arctic.

CircA



Diel Vertical Migration of zooplankton is the largest synchronised movement of biomass on the planet, and is a process generally steered by the diel change solar illumination. In the Arctic, with its unique light climate, this process has recently been shown to be ongoing during both the polar day and solar night. In this project we aim at unravelling the controlling factors behind vertical migration of zooplankton as well as its ecological significance.

MicroFun



MicroFun makes use of recent advances in molecular technologies to investigate the diversity and function of Svalbard microbial eurytopic organisms. The project is aimed and UNIS and combines both marine and terrestrial research and research.

Marine Night



One of the most important misconceptions concerning Arctic marine ecosystems is the widely held assumption that the dark polar night is a biologically dead end of any activity. We aim at exploring the Arctic marine ecosystem beyond the boundaries of darkness, focusing both on pelagic, sympagic and benthic organisms.

GooseAlien



Chlorophytes are an important component of the pelagic community often neglected in zooplankton research, leading to grossly oversimplified and misunderstood understanding on their diversity and ecological role, as well as biased views of ecosystem functioning. We aim to obtain a better knowledge of the biodiversity of marine chlorophytes in Norway, from North Sea to the High Arctic.

GrenBille



GrenBille is dedicated to analyse long-term data on variability, patterns and trends in the physical environment affecting the timing of blooms in Billefjorden and Grenfjorden.

SpitsEco



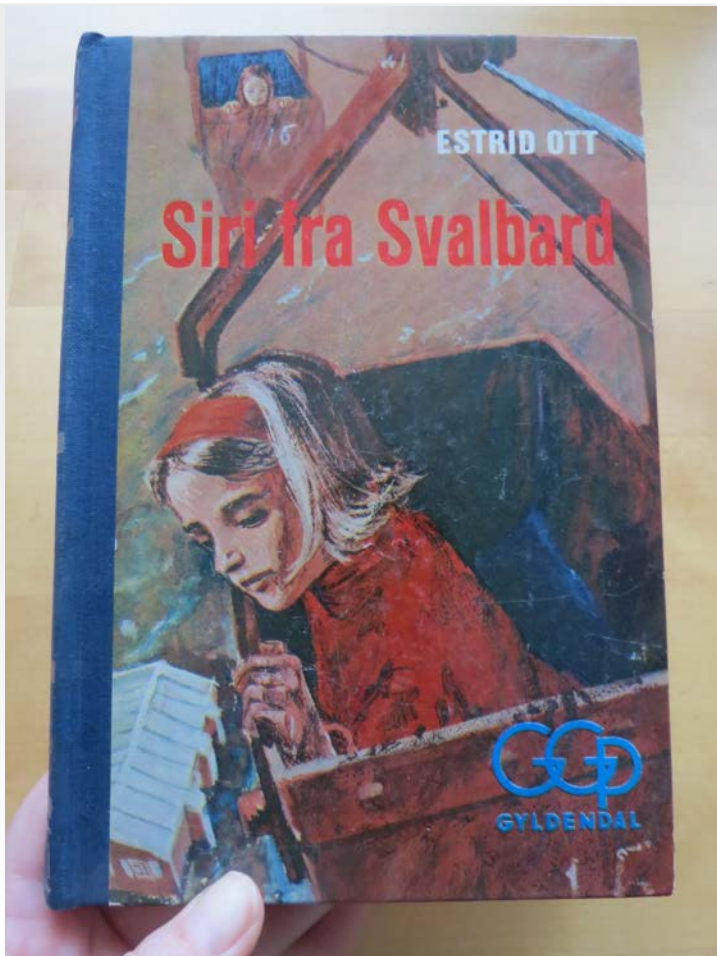
The main objective of this project is to study the timing of life history events of a key fish species, *Lepidion mazzellii*. During this project, we will aim specifically at a fish known to be of high importance as prey for seabirds and larger fish, while at the same time being a species for which we know surprisingly little regarding its life history. The project will first of all aim at elucidating the seasonal dynamics and timing of reproduction, and we will relate our findings towards the environmental background data obtained from the two ongoing ocean observatories in Kongsfjorden and Rijpfjorden.

Big Black Box



Big Black Box has two main aims – to establish a synergistic cooperation between leading Norwegian and American research environments to capture up to date and innovative science and education of today and tomorrow's Arctic scientists and to establish new innovative molecular tools to identify and quantify the diet of Arctic zooplankton.





Siri fra Svalbard, by Estrid Ott, 1965 edition. Image credit: Pinterest.

Takk for oppmerksomheten!

Please contact me at Marthe.Fjellestad@uib.no with any questions or comments, and be sure to check out the photographs, maps, letters, manuscripts and other written material at marcus.uib.no







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