

Q&A session

Environmental and climate data

2022-11-16, zoom

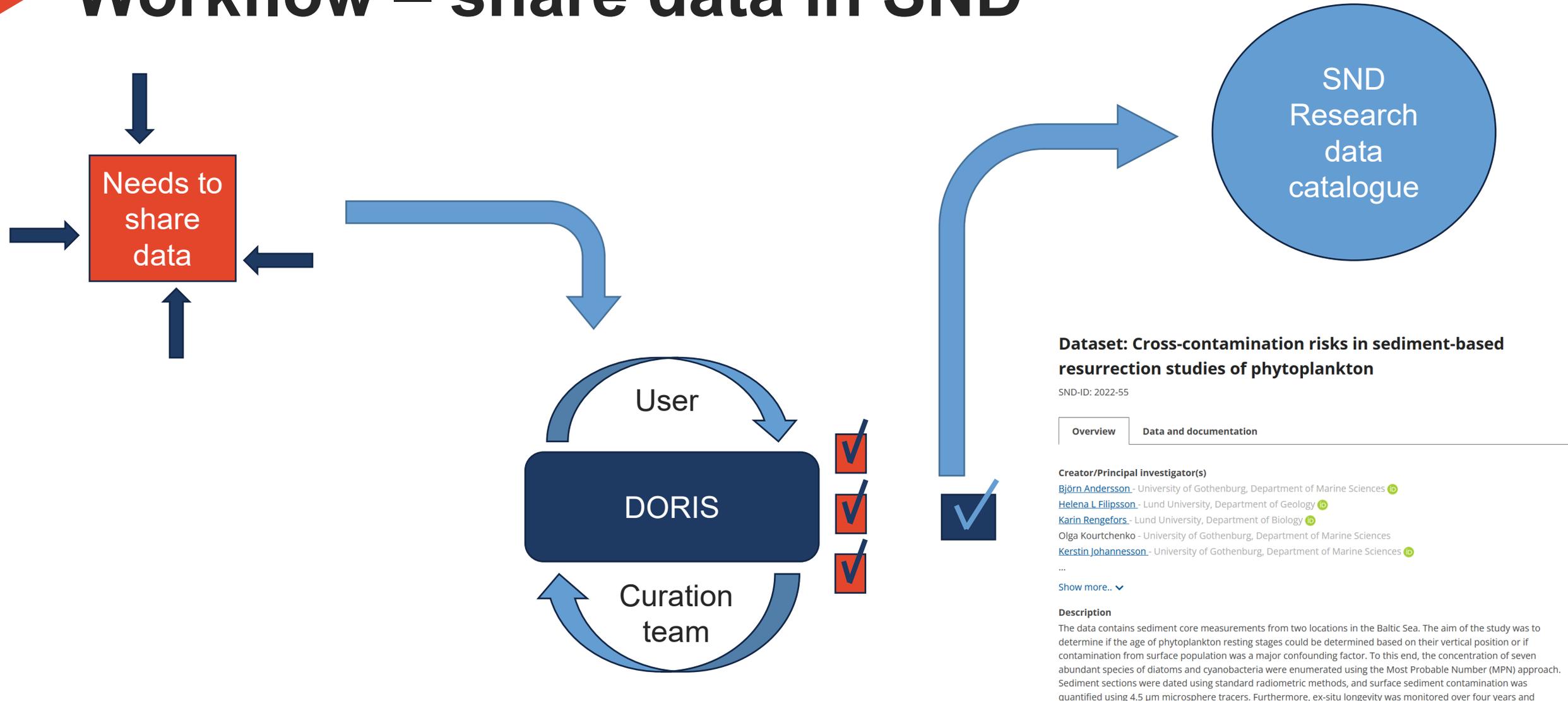
Session start 13:03, please make sure to:

- Mute microphone
- Menti.com **3961 2823**
- Post questions in chat, if more questions than time, chat will be saved and questions answered later on.
- Slides will be available on the event page after the session

Menti - QR



Workflow – share data in SND



Swedish National Data Service

Collaboration between institutions and public research institutes in Sweden

SND - research data catalogue = SND

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Filters

- Subject ▾
- Data format / data structure ▾
- Language ▾
- Collection ▾
- Research principal ▾
- Accessibility level ▾
- Access to data ▾

Extended filters ▾

Map View

Shows studies in search result containing geographic features

[Results in map \(741\)](#)



Search and find data

In the national SND research data catalogue, you can search for research data from a variety of research disciplines. Some data can be downloaded in the catalogue entry, whereas others are accessible by request.

There are also data that are only described in the catalogue and accessible through another portal/party.

Refine your search using the filter function.

If you are looking for data with geographical information, you can search using the map view.

Search in SND's Catalogue

SEARCH →



1815 hits

< Previous 1 2 3 4 5 6 7 .. 181 182 Next >

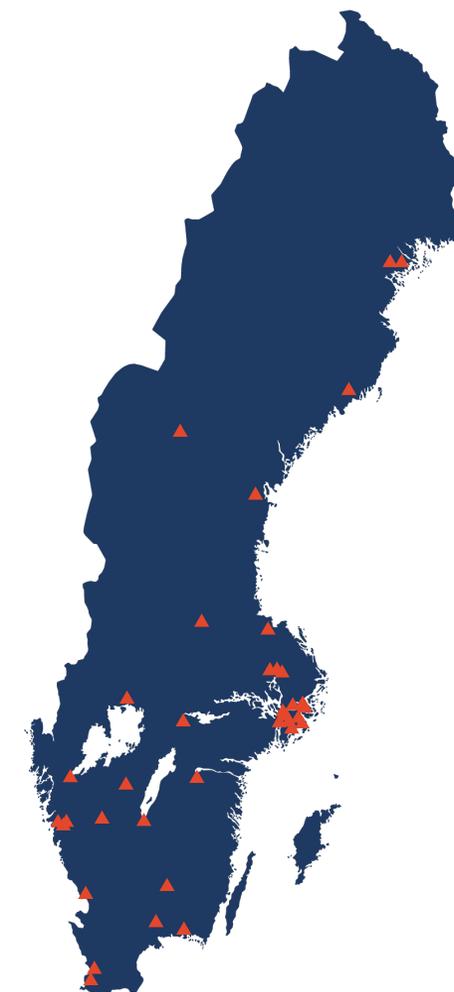
The data descriptions below are listed by publication date.

INDILACT – Extended voluntary waiting period in primiparous dairy cows. Part 1: randomized controlled trial

Swedish University of Agricultural Sciences

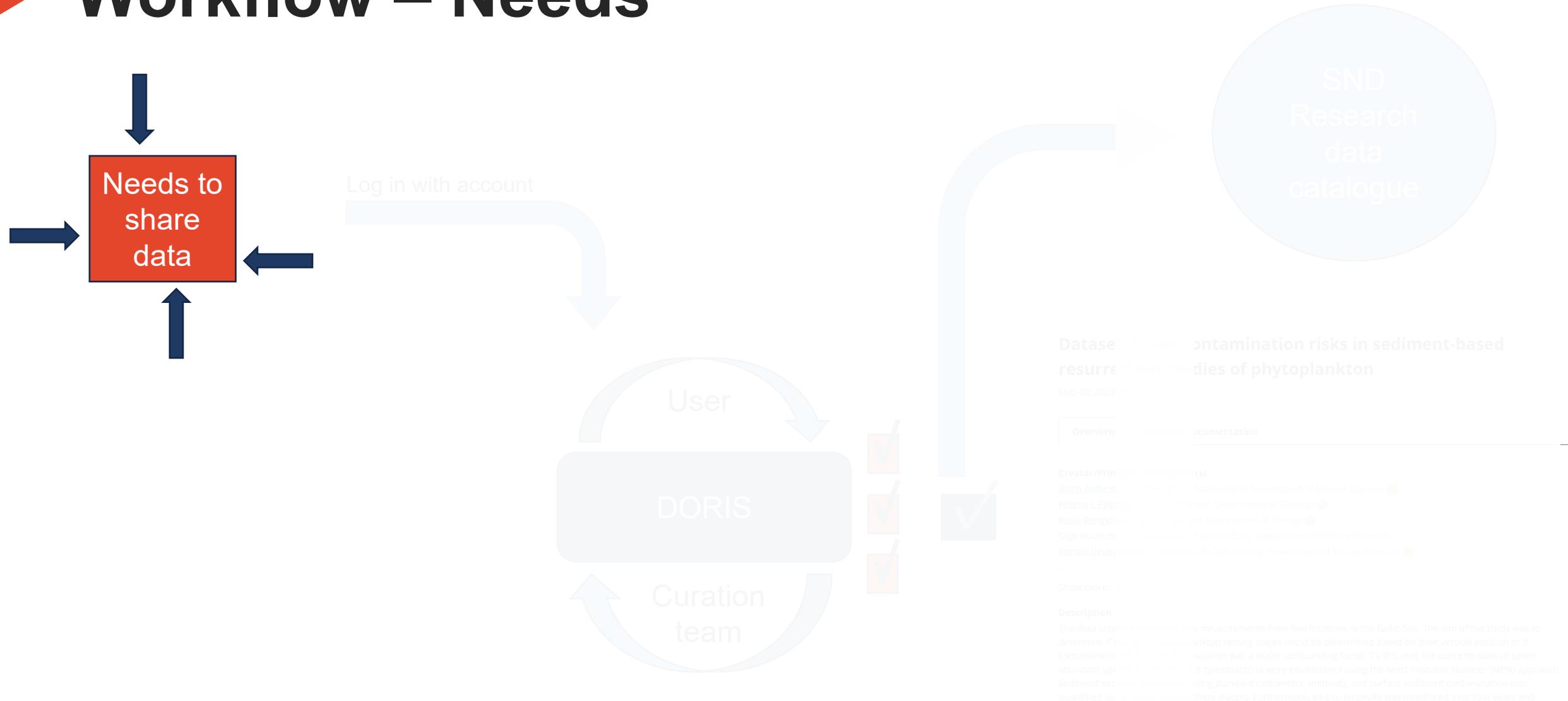
The objective of the study is to investigate how an extended voluntary waiting period between calving and first insemination in primiparous cows would affect milk production and fertility during their first and second ca...

- Anna Edvardsson Rasmussen, Swedish University of Agricultural Sciences, Department of Animal Nutrition and Management
- Renée Båge, Swedish University of Agricultural Sciences, Department of Clinical Sciences
- Erling Strandberg, Swedish University of Agricultural Sciences, Department of Animal Breeding and

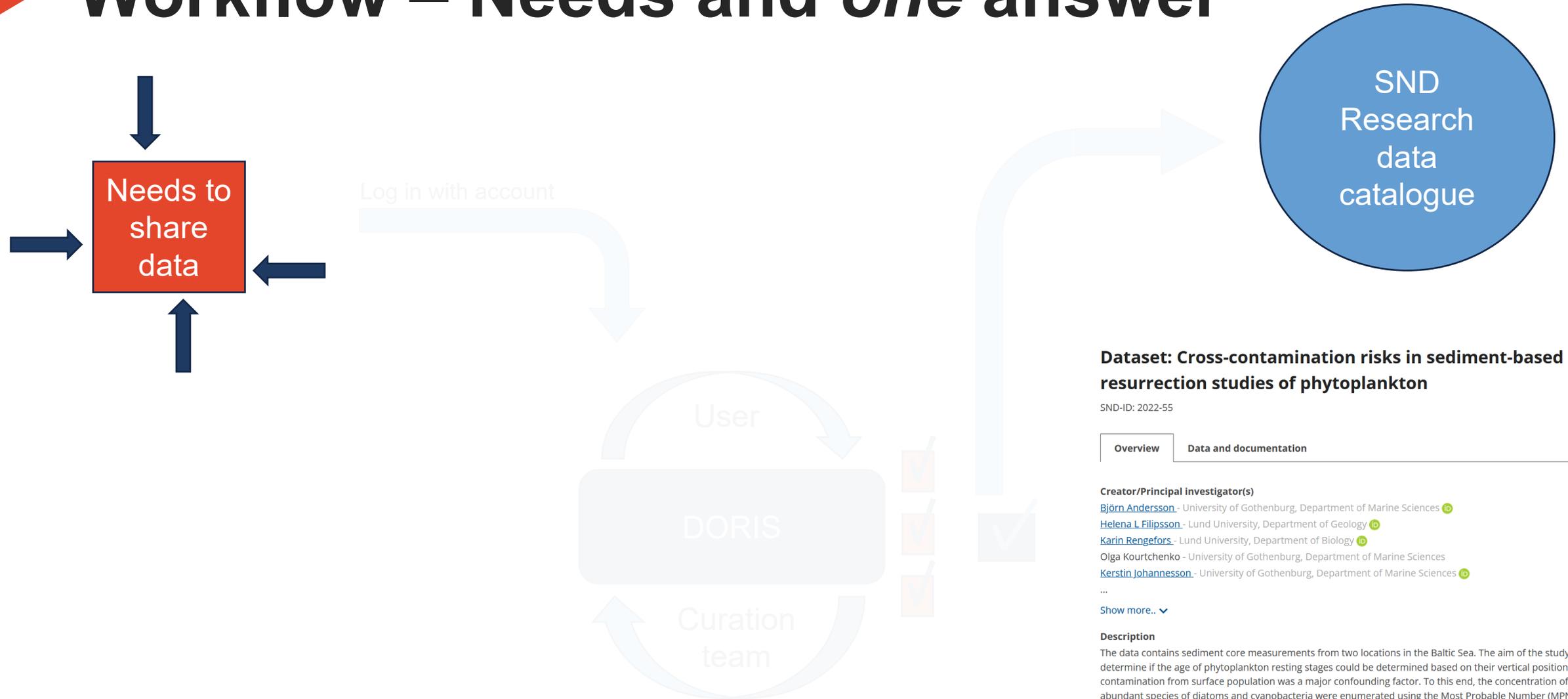


The curation teams

Workflow – Needs



Workflow – Needs and one answer



Dataset: Cross-contamination risks in sediment-based resurrection studies of phytoplankton

SND-ID: 2022-55

Overview Data and documentation

Creator/Principal investigator(s)

[Björn Andersson](#) - University of Gothenburg, Department of Marine Sciences

[Helena L. Filipsson](#) - Lund University, Department of Geology

[Karin Rengefors](#) - Lund University, Department of Biology

Olga Kourtchenko - University of Gothenburg, Department of Marine Sciences

[Kerstin Johannesson](#) - University of Gothenburg, Department of Marine Sciences

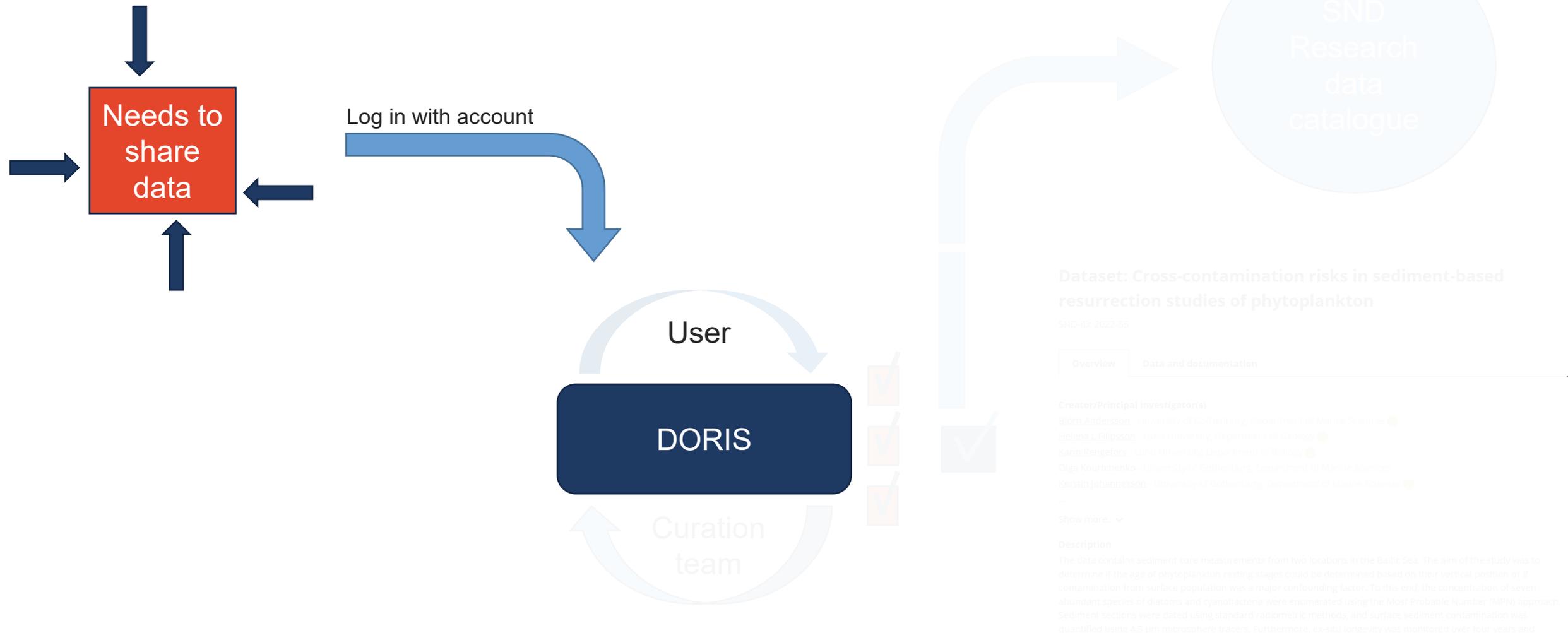
...

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Description

The data contains sediment core measurements from two locations in the Baltic Sea. The aim of the study was to determine if the age of phytoplankton resting stages could be determined based on their vertical position or if contamination from surface population was a major confounding factor. To this end, the concentration of seven abundant species of diatoms and cyanobacteria were enumerated using the Most Probable Number (MPN) approach. Sediment sections were dated using standard radiometric methods, and surface sediment contamination was quantified using 4.5 µm microsphere tracers. Furthermore, ex-situ longevity was monitored over four years and

Workflow – DORIS-system





Note: Research principal can not be changes after you have saved and commenced your data description.

Swedish University of Agricultural Sciences

Research area profile

Select the research data profile that best suits the data you describe. The content of the form will change depending on your selected profile. Please let us know if you are unable to enter vital information in the available fields.

At present, there are several research area profiles specifically developed to suit a number of research areas. If your research area is not represented in the list, please select the general profile. All of the profiles are developed in compliance with the FAIR principles, ensuring that the data descriptions make the data easier to find, understand, and reuse.

- Earth and Related Environmental Sciences ?
- Engineering and Technology ?
- General ?
- History and Archaeology ?
- Language Resources ?
- Medical and Health Sciences ?
- Natural Sciences ?
- Social Sciences ?

[Back to search results](#)

Bumble bees and honey bee abundances collected in agricultural landscapes with and without flower strips and honey bee hives

SND-ID: 2021-285

Overview Data and documentation

Creator/Principal investigator(s)

[Riccardo Bommarco](#) - Swedish University of Agricultural Sciences, Ecology

Description

Wild bee declines in agricultural landscapes have led farmers to supplement crops with honey bees. Simultaneously, environmental subsidy and conservation programmes have incentivized farmers to establish flower strips to support wild and managed pollinators. To find out if flower strips enhance, and competition from honey bees suppresses, wild bees in the landscape and across seasons, we surveyed bumble bee and honey bee abundances in 16 sites in Sweden in summer 2018 and spring 2019. The centre of each site (2 km radius) was with or without an annual flower strip, and with or without added honey bee hives. We surveyed bees in each flower strip and in linear habitats in the landscape around each site, such as field edges and road verges. In the following spring, we surveyed bumble bee queen abundance in each site. We show that adding flower strips benefits bumble bee queen abundance the following year, but this effect is diminished if honeybee hives are added. In sites with flower strips, added honey bee hives reduced male bumble bee abundance. Our relatively small flower strip areas bolstered

...
[Show more..](#)

Language

English

Research principal, contributors, and funding

Protection and ethical review

Method and time period

Geographic coverage

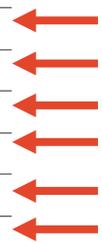
Topic and keywords

Publications

Accessibility level
Access to data through SND
Data are freely accessible

Use of data
Things to consider when using data shared through SND

Contact for questions about the data
Riccardo Bommarco



[Back to search results](#)

Bumble bees and honey bee abundances collected in agricultural landscapes with and without flower strips and honey bee hives

SND-ID: 2021-285

Overview Data and documentation

Dataset

Bumble bees and honey bee abundances collected in agricultural landscapes with and without flower strips and honey bee hives

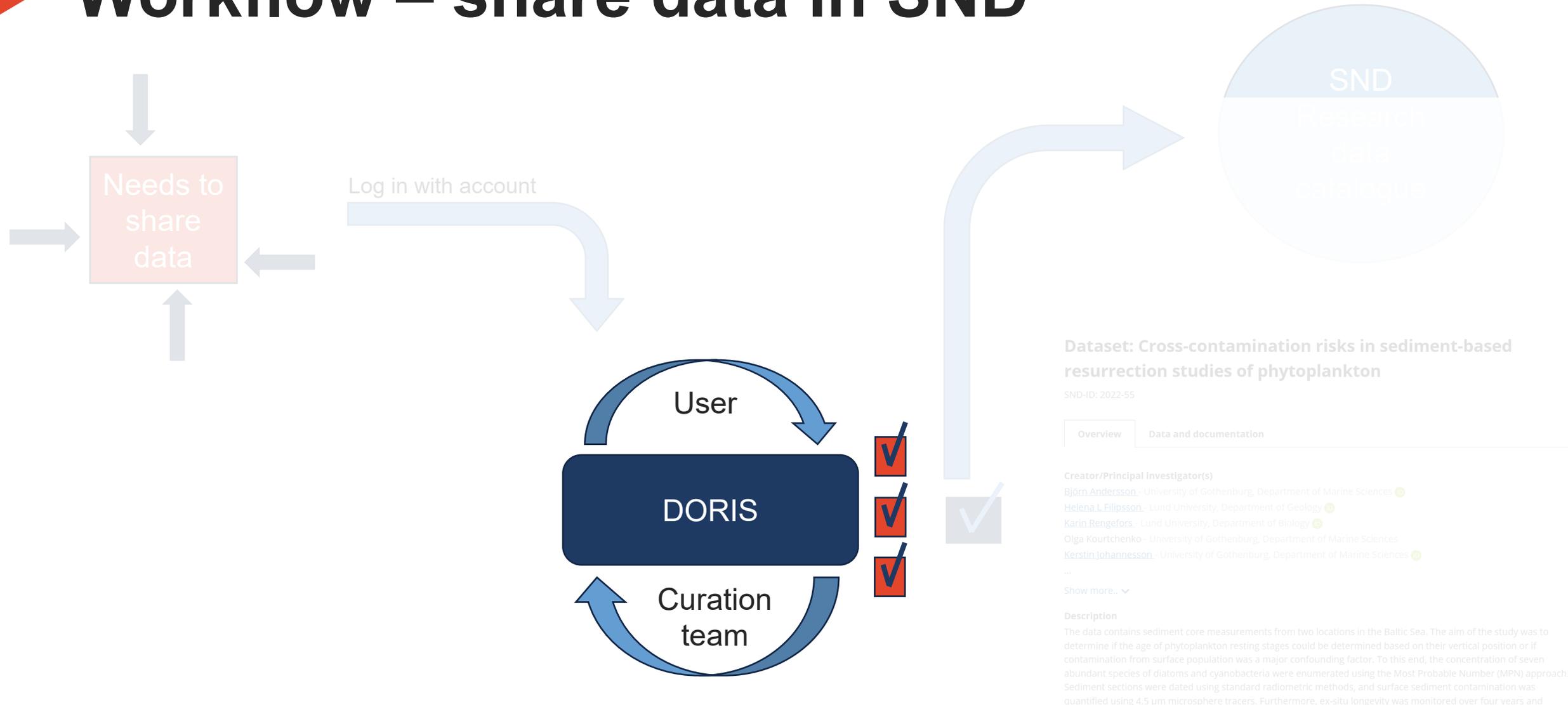
Download data **Data files** **Associated documentation**

BBCasteLandsc.tsv (28.73 KB)
BBCasteStrip.tsv (15.29 KB)
BBLandsc.tsv (27.45 KB)
BBQ2019.tsv (59.03 KB)
BBStrip.tsv (21.11 KB)
HBLandsc.tsv (2.06 KB)
HBStrip.tsv (1.52 KB)
R_script.r (2.28 KB) **R script**

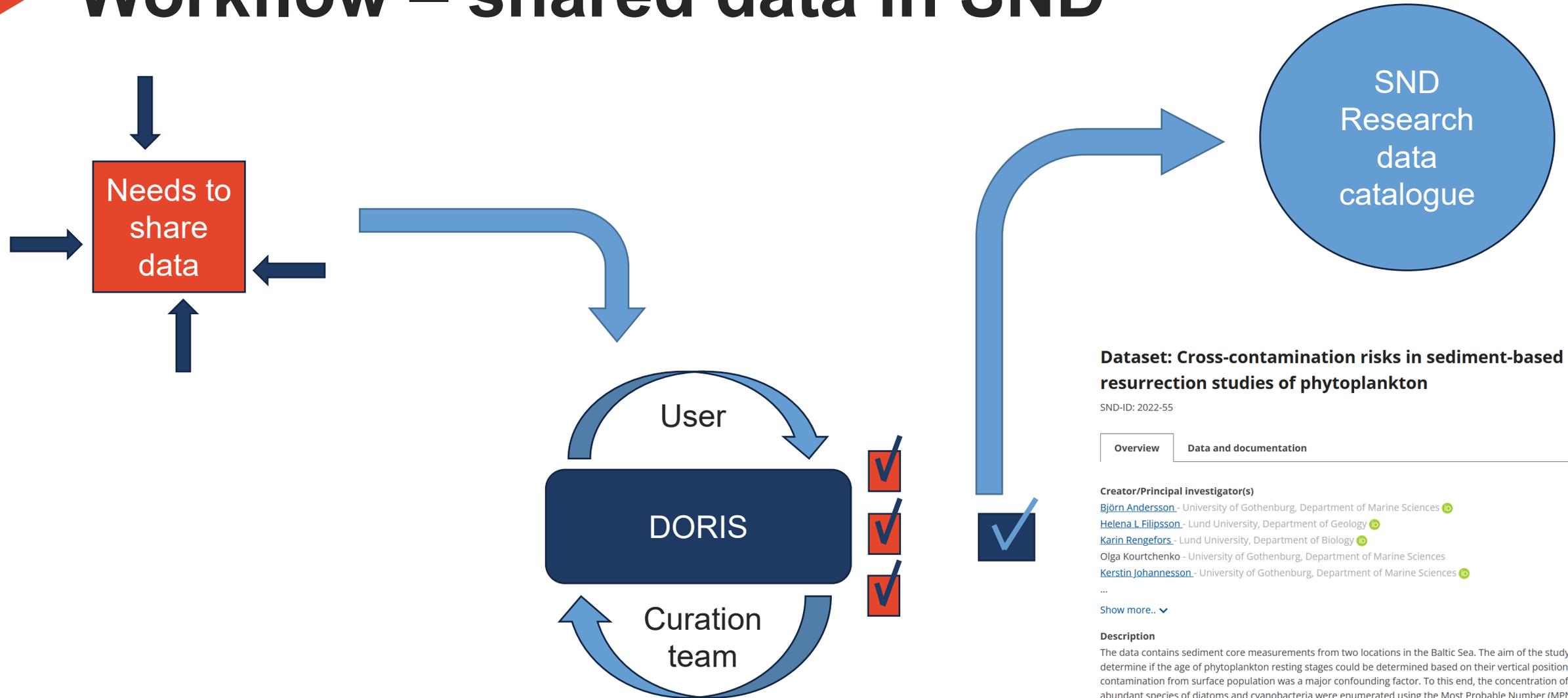
MetaData.txt
Bommaro-R-et-al-2021.pdf
Documentation

Published dataset: <https://doi.org/10.5878/s2bx-3j34>

Workflow – share data in SND



Workflow – shared data in SND



Published paper



Biological Conservation
Volume 263, November 2021, 109363



Flower strips enhance abundance of bumble bee queens and males in landscapes with few honey bee hives

Riccardo Bommarco ^{a,✉}, Sandra A.M. Lindström ^b, Chloé A. Raderschall ^a, Vesna Gagic ^c, Ola Lundin ^a

^a Swedish University of Agricultural Sciences, Department of Ecology, SE-750 07 Uppsala, Sweden
^b Swedish Rural Economy and Agricultural Society, SE-291 09 Kristianstad, Sweden
^c Queensland Department of Agriculture and Fisheries, Ecosciences Precinct, Dutton Park, QLD 4102, Australia

Data accessibility statement

Data and r-script are available online at the Swedish National Data Service at <https://doi.org/10.5878/s2bx-3j34>. **Persistent link to dataset**

Published paper: <https://doi.org/10.1016/j.biocon.2021.109363>

Published dataset



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Bumble bees and honey bee abundances collected in agricultural landscapes with and without flower strips and honey bee hives

SND-ID: 2021-285

Overview **Data and documentation**

Dataset

Bumble bees and honey bee abundances collected in agricultural landscapes with and without flower strips and honey bee hives

Download data	Data files	Associated documentation
		
BBCasteLandsc.tsv (28.73 KB)		MetaData.txt
BBCasteStrip.tsv (15.29 KB)		Bommaro-R-et-al-2021.pdf
BBLandsc.tsv (27.45 KB)		Documentation
BBQ2019.tsv (59.03 KB)		
BBStrip.tsv (21.11 KB)		
HBLandsc.tsv (2.06 KB)		
HBStrip.tsv (1.52 KB)		
R_script.r (2.28 KB)	R script	

Published dataset: <https://doi.org/10.5878/s2bx-3j34>

Citation

Bommarco, R. (2021). Bumble bees and honey bee abundances collected in agricultural landscapes with and without flower strips and honey bee hives (Version 1) [Data set]. Swedish University of Agricultural Sciences. <https://doi.org/10.5878/s2bx-3j34>

Citation with persistent identifier/link

[← Back to search results](#)

Unravelling the Contribution of Turbulence and Bubbles to Air-Water Gas Exchange in Running Waters

SND-ID: 2021-307

[Overview](#)[Data and documentation](#)

Alternative title

EXSONIC

Creator/Principal investigator(s)

Marcus Klaus - Swedish University of Agricultural Sciences, Department of Forest Ecology and Management

Thierry Labasque - University of Rennes 1, Géosciences Rennes

Gianluca Botter - University of Padova, Padova, Italy, Department of Civil Architectural and Environmental Engineering

Nicola Durighetto - University of Padova, Padova, Italy, Department of Civil Architectural and Environmental Engineering

Jakob Schelker - University of Vienna, Vienna, Austria, Department of Functional and Evolutionary Ecology

Description

Aquatic ecosystems exchange gases with the atmosphere and this exchange is critical for many ecosystem processes and the global greenhouse gas cycle. However, it is difficult to determine how fast gases exchange with the atmosphere, especially in running waters where bubbles can speed up the exchange of certain gases. Here, we provide a data set on air-water gas exchange velocities, collected during an outdoor flume experiment. We used experimental stream channels to create a wide range of flow conditions, and tested how these conditions effect the rate at which different gases in the water exchange with the atmosphere. Besides gas exchange velocities for direct air-

Accessibility level

Access to data through SND
Data are freely accessible

Use of data

Things to consider when using
data shared through SND



Homepage

<https://www.researchgate.net/project/ExSONIC-Experimental-evaluation-of-stream-atmosphere-gas-exchange-by-hydro-acoustics>



Contact for questions about the data

Marcus Klaus

[← Back to search results](#)

Unravelling the Contribution of Turbulence and Bubbles to Air-Water Gas Exchange in Running Waters

SND-ID: 2021-307

[Overview](#)[Data and documentation](#)

Dataset

Unravelling the Contribution of Turbulence and Bubbles to Air-Water Gas Exchange in Running Waters



Download data

Contribution_of_turbulence_and_bubbles_to_air-water_gas_exchange_in_running_waters.tsv (12.36 KB)



Associated documentation

Contribution_of_turbulence_and_bubbles_to_air-water_gas_exchange_in_running_waters_VariableDescription.pdf
Vingiani_2021_chamber_method.pdf
Klaus_2022_bubble_flume_k.pdf

Description

main data contributions:

- (1) Gas exchange velocity estimates based on mass balance of various gases in flume water. Concentrations of helium, xenon, argon och methane were measured in the in- and outlet water of the flumes using mass-spectrometry . A mass balance of the gases yielded air-water gas exchange velocities.
- (2) turbulent kinetic energy dissipation estimates based on Acoustic Doppler Velocimetry. Three dimensional flow velocities were measured at 24 locations per flume using an Acoustic

Accessibility level

Access to data through SND
Data are freely accessible

Use of data

Things to consider when using
data shared through SND



Homepage

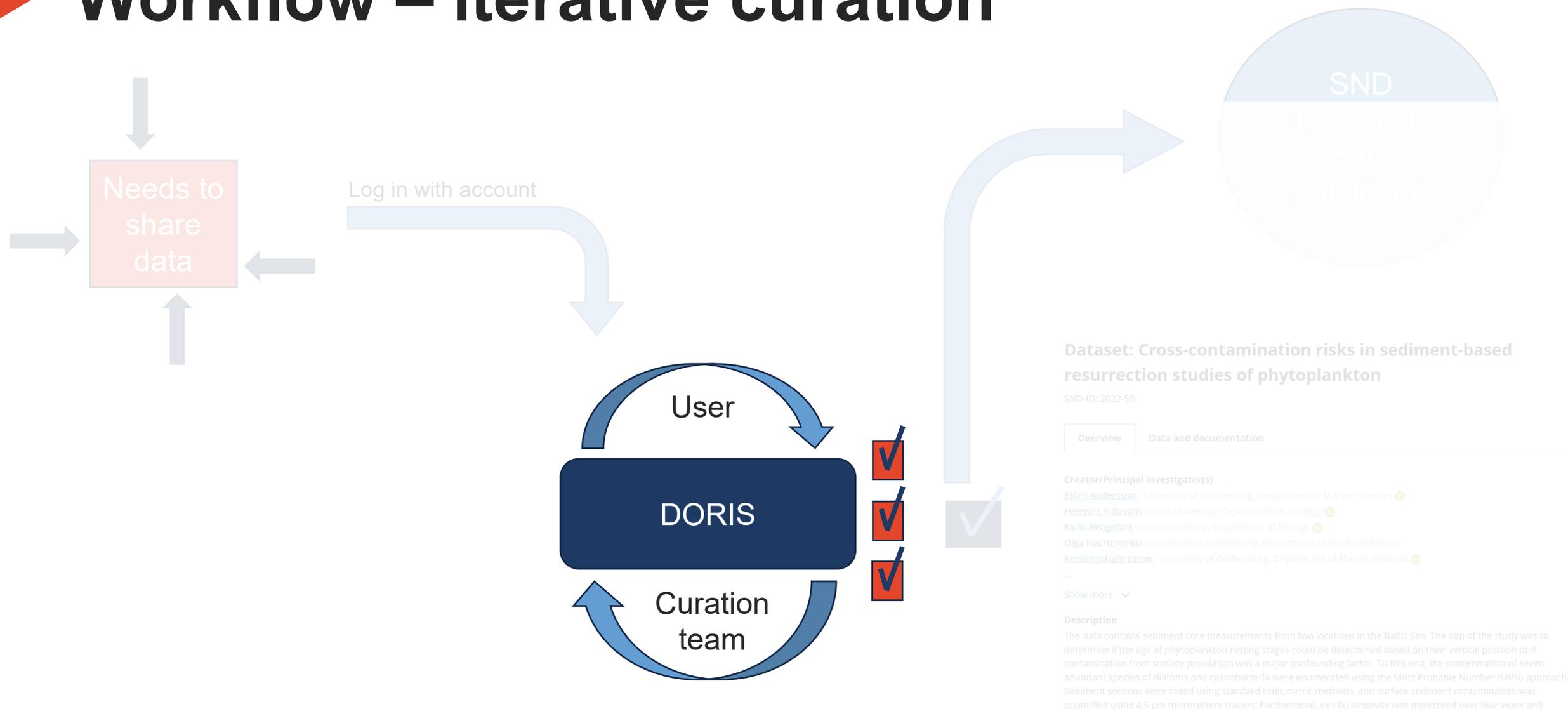
<https://www.researchgate.net/project/ExSONIC-Experimental-evaluation-of-stream-atmosphere-gas-exchange-by-hydro-acoustics>



Contact for questions about the data

Marcus Klaus

Workflow – iterative curation





Shared file formats



Download data

[Contribution_of_turbulence_and_bubbles_to_air-water_gas_exchange_in_running_waters.tsv](#) (12.36 KB)



Associated documentation

[Contribution_of_turbulence_and_bubbles_to_air-water_gas_exchange_in_running_waters_VariableDescription.pdf](#)
[Vingiani_2021_chamber_method.pdf](#)
[Klaus_2022_bubble_flume_k.pdf](#)



Menti.com

5485 7838



Thank you!

<https://snd.gu.se/en>

Ida.taberman@slu.se

Ida Taberman

Domainspecialist SND



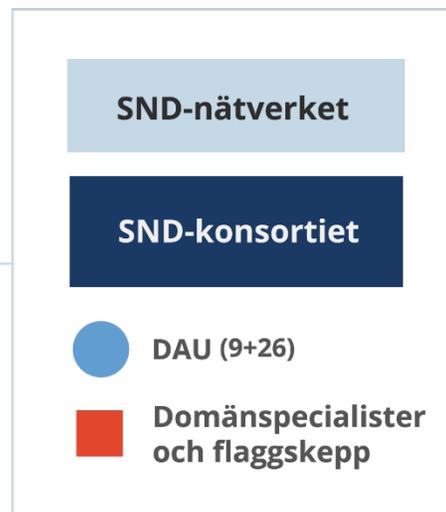
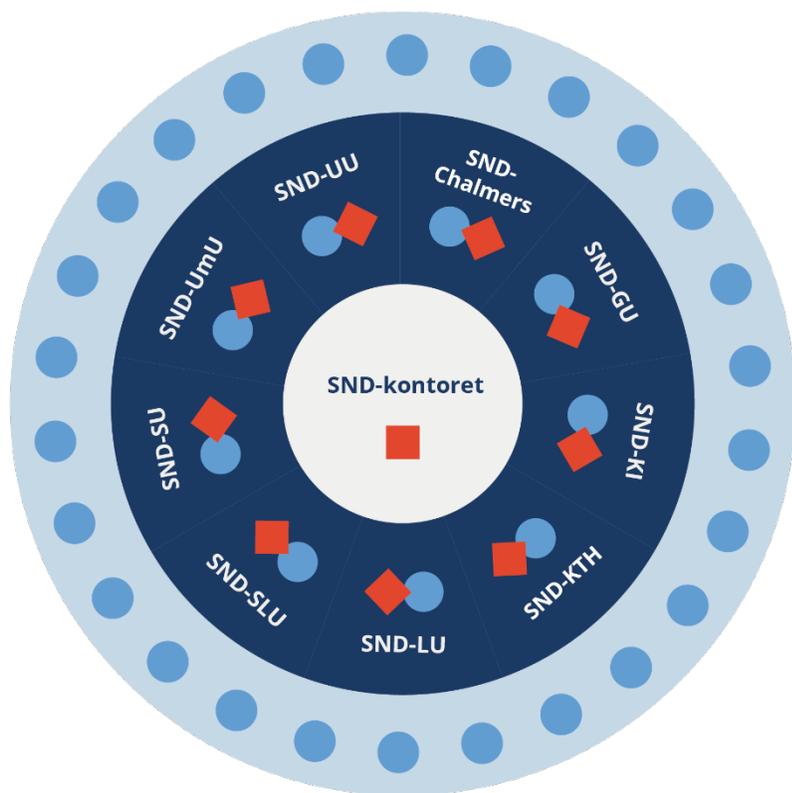
SND

Svensk nationell datatjänst | Göteborgs universitet - Chalmers tekniska högskola - Karolinska Institutet - Kungliga Tekniska högskolan - Lunds universitet - Stockholms universitet - Sveriges lantbruksuniversitet - Umeå universitet - Uppsala universitet

Bonus material

<https://snd.gu.se/en/data-management-online-qa-climate-and-environmental-data>

SND-Network, -consortium and -office



DAU (Data Access Units)

SND-nätverkets lokala enheter för hantering och delning av forskningsdata.

Domänspecialister (dospar) och flaggskeppsprojekt

Varje konsortielärosätes bidrag i SND-arbetet. Motsvarar en heltidstjänst vid varje lärosäte.

Data type	Example	SND?
Data supporting a scientific publication	Bumblebee queen mortality along roads increase with traffic, https://doi.org/10.5878/mrva-kt50	✓
Ended/closed – “this is all we got”	Swedish Historical Phenology Dataset, https://doi.org/10.5878/sa66-2586	✓
Extractions and/or aggregated data	<p>Moose migration in county Norrbotten during 2022</p> <p>WRAM SMHI Pellet group counts DNA-analysis And more</p>	✓
“unused” or additional material	<p>Fe ICP-MS analysis Pike By-catch</p>	✓ ✓
Belongs elsewhere	E-DNA in other repositories, Species Observation System and more.	✗
Ongoing studies or EMA <small>Svensk nationell datatjänst</small>	Ongoing studies or Environmental monitoring and Assessment that has another place to openly publish data	✗

Usually but exceptions exists

Archive and publish (at SLU)



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLU e-arkiv

SLU:s e-arkiv
Välkommen till SLU:s e-arkiv som är ett DSpace-baserat system för arkivering av information. Systemets struktur bygger på SLU:s modell för processbaserad arkivredovisning

Communities in DSpace
Choose a community to browse its collections.

Discover

Author	Subject	Date issued
Berglund, Ulla (19)	bam (19)	2020 - 2022
Nordin, Kerstin (19)	enkätapplikation (19)	2010 - 2019
Hultgren, Jan (3)	lärare (19)	2000 - 2009



Swedish National Data Service

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Swedish Forest Phenology

SND-ID: 2021-194
This study is part of the collection [Phenology observations and studies](#)

Overview Data and documentation

Dataset

Swedish Forest Phenology dataset

Download data	Associated documentation
Tree_data.csv (75.14 KB) Tree_phases.csv (72.96 KB) berry_data.csv (54.24 KB)	FenobsManual20090528.pdf Interpolation_berries.R Interpolation_trees.R Metadata.pdf Plot_berry_meanSE.R Plot_tree_meanSE.R Tempsum.csv specieslist.csv stationlist.csv

Version 1
2021-08-05
<https://doi.org/10.5878/jbab-cy46>

Citation
Ola Langvall. Swedish University of Agricultural Sciences (2021). Swedish Forest Phenology dataset. Swedish National Data Service. Version 1. <https://doi.org/10.5878/jbab-cy46>

- Accessibility level
Access to data through SND
Data are freely accessible
- Use of data
Things to consider when using data shared through SND
- Homepage
<https://www.slu.se/fenologi>
<https://www.slu.se/phenology>
- Contact for questions about the data
Ola Langvall
- Is part of collection at SND
Phenology observations and studies
Show related research data

Swedish National Data Service

Collaboration between institutions and agencies in Sweden.

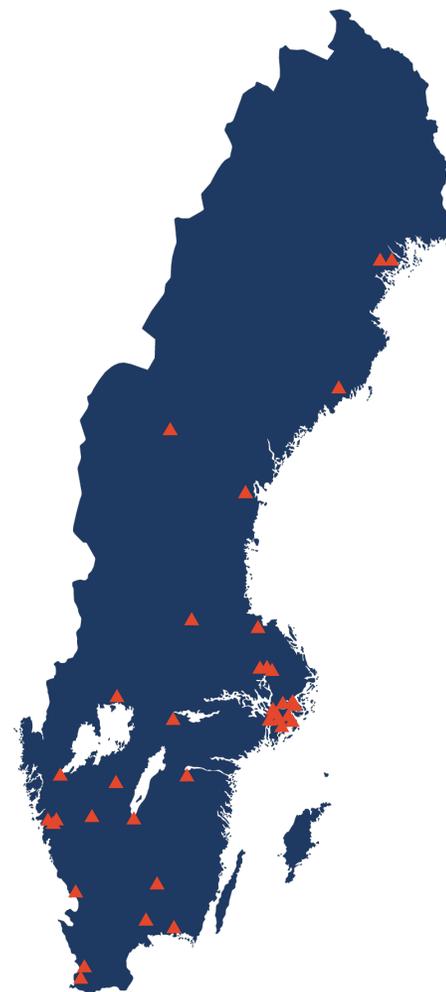
(Sorry for Swedish names)

SND-research data catalogue - SND

The screenshot shows the SND (Swedish National Data Service) website. At the top, there is a navigation bar with links for 'Find Data', 'Manage Data', 'Describe & Share Data', 'News & Events', 'About Us', and 'Contact'. Below this is a search bar with the text 'Search and find data'. The search bar contains the text 'Search in SND's Catalogue' and a 'SEARCH' button. To the left of the search bar are several filter categories: 'Subject', 'Data format / data structure', 'Language', 'Collection', 'Research principal', 'Accessibility level', and 'Access to data'. Below the search bar, there is a 'Map View' section with a small map showing the geographical distribution of data points. The main content area displays the search results, including the title 'INDILACT - Extended voluntary waiting period in primiparous dairy cows. Part 1: randomized controlled trial' and a brief description of the study's objective.

"The curation teams" –
Data Access Unit (DAU)

Högskolan Dalarna
Örebro universitet
Karlstads universitet
Högskolan i Skövde
Högskolan Väst
Högskolan i Borås
Göteborgs universitet
RISE
Chalmers tekniska högskola
Högskolan i Halmstad
Lunds universitet
Malmö universitet



Luleå tekniska universitet
Polarforskningssekretariatet
Umeå universitet
Mittuniversitetet
Högskolan i Gävle
Uppsala universitet
Statens veterinärmedicinska anstalt
Sveriges lantbruksuniversitet
Mälardalens högskola
Stockholms universitet
Karolinska institutet
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Sophiahemmet Högskola
Försvarshögskolan
Södertörns högskola
Linköpings universitet
Jönköping University
Linnéuniversitetet
Högskolan Kristianstad
Blekinge tekniska högskola



When someone leaves or retires



When leaving the department

- Clear out workspace
- Leave work phone
- Leave keys
- Hand over research data