

Multi-source Mapping of Peatland Types using Sentinel-1, Sentinel-2 and Terrain Derivatives - A Comparison Between Five High-latitude Landscapes

SND-ID: 2024-392. **Version:** 1. **DOI:** <https://doi.org/10.48360/7b7b-ba71>

Download data

DATASET01.zip (842.12 KB)

Citation

Karlson, M. (2023) Multi-source Mapping of Peatland Types using Sentinel-1, Sentinel-2 and Terrain Derivatives - A Comparison Between Five High-latitude Landscapes (Version 1) [Data set]. Linköping University. Available at: <https://doi.org/10.48360/7b7b-ba71>

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Description

Dataset used in the publication "Multi-source mapping of peatland types using Sentinel-1, Sentinel-2 and terrain derivatives - A comparison between five high-latitude landscapes". The five sites include North Slope (Alaska), Yukon (Canada), Great Slave Lake (Canada), Hudson Bay Lowlands (Canada) and northern Sweden (Scandinavia).

This dataset includes reference data in shape-file format. It also includes a description of classes used in the classification.

The dataset was originally published in DiVA and moved to SND in 2024.

Data contains personal data

No

Language

[English](#)

Data format / data structure

[Numeric](#)

[Other](#)

Funding

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- Funding agency's reference number: 2018-00570

Identifiers

URN: [urn:nbn:se:liu:diva-192863](https://nbn-resolving.org/urn:nbn:se:liu:diva-192863)

Research area

[Physical geography](#) (Standard för svensk indelning av forskningsämnen 2011)

[Remote sensing](#) (Standard för svensk indelning av forskningsämnen 2011)

Keywords

[Peatland types](#)

Publications

Karlson, M., & Bastviken, D. (2023). Multi-source mapping of peatland types using Sentinel-1, Sentinel-2, and terrain derivatives—A comparison between five high-latitude landscapes. *Journal of Geophysical Research: Biogeosciences*, 128, e2022JG007195. <https://doi.org/10.1029/2022JG007195>

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Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

Versions

Version 1. 2023-04-03

Related research data in SND's catalogue

[Multi-source mapping of peatland types – A comparison between five high-latitude landscapes: Remote sensing predictor variables and field reference data](#)

Download metadata

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

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[File overview \(CSV\)](#)

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