

Formation and mobilization of methylmercury across natural and experimental sulfur deposition gradients

SND-ID: snd1155-1. **Version:** 1.0. **DOI:** <https://doi.org/10.5878/zawd-4z03>

Download data

SND1155-001-V1.0.zip (8.98 KB)

Citation

Åkerblom, S. (2020) Formation and mobilization of methylmercury across natural and experimental sulfur deposition gradients (Version 1.0) [Data set]. Swedish University of Agricultural Sciences. Available at: <https://doi.org/10.5878/zawd-4z03>

Creator/Principal investigator(s)

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Research principal

[Swedish University of Agricultural Sciences](#) - Department of Aquatic Sciences and Assessment

Principal's reference number

621-2001-1543

Description

Examine methylation of mercury in a west-east gradient in southern Sweden to cover a natural sulfur-deposition gradient. Peat samples were taken at a depth of 5-30 cm below the surface between May 15 and June 12 in 2003.

Peat soil and porewater samples were collected during the summer of 2003 to describe methylation processes in peatlands across a natural sulfate deposition gradient.

Language

[English](#)

Time period(s) investigated

2013-05-09 - 2013-06-12

Variables

9

Data format / data structure

[Numeric](#)

Data collection 1

- Mode of collection: Registry extract and/or access to biobank sample
- Time period(s) for data collection: 2003-05-15 - 2003-06-12

Geographic spread

Geographic location: [Sweden](#)

Geographic description: 16 torvmarker i södra Sverige med nordlig (57°9'49''N) och sydlig (56°42'13''N) utbredning samt västlig (12° 46'41''E) och östlig utbredning (15°45'13''E)

Responsible department/unit

Department of Aquatic Sciences and Assessment

Contributor(s)

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Funding

- Funding agency: Swedish Research Council
- Funding agency's reference number: 621-2001-1543

Research area

[Earth and related environmental sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Natural sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Biological sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Geoscientific information](#) (INSPIRE topic categories)

[Environment](#) (INSPIRE topic categories)

Keywords

[Geology](#), [Mercury](#), [Soil](#), [Mercury methylation](#)

Publications

Formation and mobilization of methylmercury across natural and experimental sulfur deposition gradients. Staffan Åkerblom, Mats B. Nilsson, Ulf Skyllberg, Erik Björn, Sofi Jonsson, Bo Ranneby, Kevin Bishop. Environmental Pollution, Volume 263, Part A, 2020, DOI: 10.1016/j.envpol.2020.114398

[Link to fulltext](#)

DOI: <https://doi.org/10.1016/j.envpol.2020.114398>

If you have published anything based on these data, [please notify us](#) with a reference to your publication(s). If you are responsible for the catalogue entry, you can update the metadata/data description in DORIS.

Polygon (Lon/Lat)

12.810344749273, 57.912513443908

12.810344749273, 56.559482483762

16.153295330669, 56.559482483762

16.153295330669, 57.912513443908

12.810344749273, 57.912513443908

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 1.0. 2020-03-13

Download metadata

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

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