

Metadata

Dataset Name	Zn, Pb and Cd-NPs in snow samples from Winnipeg and Muller Ice Cap 2022-2023
Dataset General Type	metallic nanoparticles data
Dataset Type	Dataset
Dataset Level	
Program Website	
Keyword Vocabulary	Polar Data Catalogue
Keyword Vocabulary URL	https://www.polardata.ca/pdcinput/public/keywordlibrary
Theme	
Title	Atmosphere
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/group/modelling
Dataset Status	Complete
Maintenance and Update Frequency	Not planned
Dataset Last Revision Date	2024-12-18
Dataset DOI	10.34992/emwm-4426
Metadata Creation Date	2025
Publisher	CanWIN

Dataset Authors

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Dataset Collection Start Date

2022-11-04

Dataset Collection End Date

2023-04-20

Sample Collection

Sample Collection 1

Sampling Instrument Name

Inductively Coupled Plasma Mass Spectrometry (Agilent 8900)

Standardized Sampling Instrument Name

Sample Collection Method Name

Single particle analysis

Comment

Method Link

Method Summary

Method Description Type

Methods

Activity Collection Type	
Preferred citation	
Analytical Instrument	
Analytical Instrument 1	
Analytical Instrument Name	Inductively Coupled Plasma Mass Spectrometry (Agilent 8900)
Standardized Analytical Instrument Name	
Analytical Instrument Identifier Id	
Analytical Instrument Title Type	Alternative Title
Analytical Instrument Identifier Type	
Analytical Method	
Analytical Method 1	
Analytical Method Name	Single particle inductively coupled plasma mass spectrometry (spICP-MS)
Method Link	
Method Summary	
Laboratory	Ultra-Clean Trace Elements Laboratory (UCTEL)
Comments	
Variables Measured	
License Name	Creative Commons Attribution 4.0 International
Licence Type	Open

**Embargo
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Awards**Awards 1****Award Title****Website****Funder Name****Funder
Identifier Code****Funder
Identifier Type****Funder
Identifier
Scheme****Grant Number****Related
Resources****Related
Resources 1****Related
Resource
Name****Resource
Code****Identifier Type****Relationship
To This
Dataset****Resource Type** Online Resource**Type**

Series Name

Publications

Publications 1

Publication
Name

Identifier Code

Identifier Type

Relationship to
this dataset

Resource Type Online Resource

Publication
Type

**Spatial
regions**

arctic-basin

**Spatial
extent West
Bound
Longitude**

**Spatial
extent East
Bound
Longitude**

**Spatial
extent South
Bound
Latitude**

**Spatial
extent North
Bound
Latitude**

Data and Resources

URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/96d2e0f1-7eda-4d8f-bf50-34d9fb3f5049/resource/18deb060-f9fb-4447-bd47-3a0fdf4bfbbe/download/cd-nps-winnipeg-snow.xlsx
Name	Cd NPs in Winnipeg snow
Description	Cd NPs in snow, Winnipeg
Format	XLSX
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/96d2e0f1-7eda-4d8f-bf50-34d9fb3f5049/resource/a98126f5-efd8-4e91-94ae-1558ded440c0/download/pb-nps-in-winnipeg-muller-snow.xlsx
Name	Pb NPs in Winnipeg-Muller snow
Description	Pb NPs in snow, Winnipeg-Muller
Format	XLSX
Resource Category	data
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/96d2e0f1-7eda-4d8f-bf50-34d9fb3f5049/resource/9a692f15-eb91-426f-89d9-6c4c1571fce1/download/zn-nps-winnipeg-muller-snow.xlsx
Name	Zn NPs in Winnipeg-Muller snow
Description	Zn NPs in snow, Winnipeg-Muller
Format	XLSX
Resource Category	data