

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/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

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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