

# Metadata

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

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Affiliation

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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

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

**Embargo  
Date****Licence URL** <https://spdx.org/licenses>**Terms of  
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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

<b>URL</b>	<a href="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">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</a>
<b>Name</b>	Cd NPs in Winnipeg snow
<b>Description</b>	Cd NPs in snow, Winnipeg
<b>Format</b>	XLSX
<b>Resource Category</b>	data
<b>URL</b>	<a href="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">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</a>
<b>Name</b>	Pb NPs in Winnipeg-Muller snow
<b>Description</b>	Pb NPs in snow, Winnipeg-Muller
<b>Format</b>	XLSX
<b>Resource Category</b>	data
<b>URL</b>	<a href="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">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</a>
<b>Name</b>	Zn NPs in Winnipeg-Muller snow
<b>Description</b>	Zn NPs in snow, Winnipeg-Muller
<b>Format</b>	XLSX
<b>Resource Category</b>	data