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/fr/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

Dataset Authors 1

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Contributors

Contributors 1

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Role	

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Affiliation	
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Project Data Curator Affiliation	Centre for Earth Observation Science - University of Manitoba
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 Date	
Licence URL	https://spdx.org/licenses
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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