

# Metadata

Field	Value
<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/en/group/modelling">https://canwin-datahub.ad.umanitoba.ca/data/en/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

Field	Value
<b>Metadata Creation Date</b>	2026
<b>Publisher</b>	CanWIN
<b>Dataset Authors</b>	
<b>Dataset Authors 1</b>	
<b>Name</b>	Oliveira, Richard
<b>Type of Name</b>	Personal
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<b>Affiliation</b>	Agriculture and Agri Food Canada
<b>ORCID ID</b>	0000-0001-7906-5664
	ORCID
	<a href="http://orcid.org/">http://orcid.org/</a>
<b>Dataset Authors 2</b>	
<b>Name</b>	Wang, Feiyue
<b>Type of Name</b>	Personal
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Field	Value
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	<a href="http://orcid.org/">http://orcid.org/</a>
<b>Dataset Authors 3</b>	
<b>Name</b>	Dahl-Jensen, Dorthe
<b>Type of Name</b>	Personal
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<b>Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
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<b>Contributors</b>	
<b>Contributors 1</b>	
<b>Name</b>	

Field	Value
<b>Role</b>	
<b>Email</b>	
<b>Affiliation</b>	
<b>ORCID ID</b>	
<b>Project Data Curator</b>	Oliveira, Richard
<b>Project Data Curator email</b>	<a href="mailto:Richard.Oliveira@umanitoba.ca">Richard.Oliveira@umanitoba.ca</a>
<b>Project Data Curator Affiliation</b>	Centre for Earth Observation Science - University of Manitoba
<b>Dataset Collection Start Date</b>	2022-11-04
<b>Dataset Collection End Date</b>	2023-04-20
<b>Sample Collection</b>	
<b>Sample Collection 1</b>	
<b>Sampling Instrument Name</b>	Inductively Coupled Plasma Mass Spectrometry (Agilent 8900)
<b>Standardized Sampling Instrument Name</b>	
<b>Sample Collection Method Name</b>	Single particle analysis
<b>Comment</b>	

Field	Value
<b>Method Link</b>	
<b>Method Summary</b>	
<b>Method Description Type</b>	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)

Field	Value
<b>Comments</b>	
<b>Variables Measured</b>	
<b>Licence Name or Copyright Statement</b>	Creative Commons Attribution 4.0 International
<b>Copyright Statement</b>	
<b>Licence Type</b>	Open
<b>Embargo Date</b>	
<b>Licence URL</b>	<a href="https://spdx.org/licenses">https://spdx.org/licenses</a>
<b>Terms of Access</b>	<p>CanWIN datasets are licensed individually, however most are licensed under the Creative Commons Attribution 4.0 International (CC BY 4.0) Public License. Details for the licence applied can be found using the Licence URL link provided with each dataset. By using data and information provided on this site you accept the terms and conditions of the License. Unless otherwise specified, the license grants the rights to the public to use and share the data and results derived therefrom as long as the proper acknowledgment is given to the data licensor (citation), that any alteration to the data is clearly indicated, and that a link to the original data and the license is made available.</p>
<b>Terms of Use</b>	<p>By accessing this data you agree to [CanWIN's Terms of Use](/data/publication/canwin-data-statement/resource/5b942a87-ef4e-466e-8319-f588844e89c0).</p>
<b>Awards</b>	
<b>Awards 1</b>	
<b>Award Title</b>	
<b>Website</b>	

Field	Value
<b>Funder Name</b>	
<b>Funder Identifier Code</b>	
<b>Funder Identifier Type</b>	
<b>Funder Identifier Scheme</b>	
<b>Grant Number</b>	
<b>Related Resources</b>	
<b>Related Resources 1</b>	
<b>Related Resource Name</b>	
<b>Resource Code</b>	
<b>Identifier Type</b>	
<b>Relationship To This Dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Type</b>	
<b>Series Name</b>	
<b>Publications</b>	
<b>Publications 1</b>	
<b>Publication Name</b>	
<b>Identifier Code</b>	
<b>Identifier Type</b>	
<b>Relationship to this dataset</b>	
<b>Resource Type</b>	Online Resource
<b>Publication Type</b>	

Field	Value
<b>Spatial regions</b>	arctic-basin
<b>Spatial extent West Bound Longitude</b>	
<b>Spatial extent East Bound Longitude</b>	
<b>Spatial extent South Bound Latitude</b>	
<b>Spatial extent North Bound Latitude</b>	

## Data and Resources

Field	Value
<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

Field	Value
<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