

# Metadata

|   |   |
|---|---|
| <b>Dataset Name</b>                     | Canadian Arctic 2018 gridT and icemod NEMO 3.6, LIM2 and BLINGv0+DIC data   |
| <b>Dataset General Type</b>             | model outputs   |
| <b>Dataset Type</b>                     | Model   |
| <b>Dataset Level</b>                    | 0   |
| <b>Program Website</b>                  | <a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/baysys">https://canwin-datahub.ad.umanitoba.ca/data/dataset/baysys</a>   |
| <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>                            | Marine  |
| <b>URL</b>                              | <a href="https://canwin-datahub.ad.umanitoba.ca/data/en/group/marine">https://canwin-datahub.ad.umanitoba.ca/data/en/group/marine</a> |
| <b>Dataset Status</b>                   | Complete  |
| <b>Maintenance and Update Frequency</b> | Not planned   |
| <b>Dataset Last Revision Date</b>       | 2020-01-01  |
| <b>Dataset DOI</b>                      | 10.34992/ehtt-fb57  |
| <b>Metadata Creation Date</b>           | 2023  |
| <b>Publisher</b>                        | CanWIN  |

## Dataset Authors

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## Contributors

### Contributors 1

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**Role**  
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### Project Data Curator

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|  |                  |
|--|------------------|
| <b>Project Data</b>                          |                  |
| <b>Curator Affiliation</b>                   | Université Laval |
| <b>Dataset Collection Start Date</b>         | 2018-01-01       |
| <b>Dataset Collection End Date</b>           | 2020-01-01       |
| <b>Sample Collection</b>                     |                  |
| <b>Sample Collection 1</b>                   |                  |
| <b>Sampling Instrument Name</b>              |                  |
| <b>Standardized Sampling Instrument Name</b> |                  |
| <b>Sample Collection Method Name</b>         |                  |
| <b>Comment</b>                               |                  |
| <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>              | Ocean model  |
| <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>                  | Ocean modelling  |
| <b>Method Link</b>                             |  |
| <b>Method Summary</b>                          | The NEOM 3.6, LIM2 and BLINGv0+DIC coupled models were run on the then ComputeCanada (now Digital Research Alliance) allowances.   |
| <b>Laboratory</b>                              |  |
| <b>Comments</b>                                |  |
| <b>Variables Measured</b>                      |  |
| <b>License Name</b>                            | Creative Commons Attribution 4.0 International   |
| <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>                         | 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. |

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## Awards

### Awards 1

|                                 |   |
|---------------------------------|---|
| <b>Award Title</b>              | The Natural Sciences and Engineering Council of Canada (NSERC) Collaborative Research and Development project |
| <b>Website</b>                  |   |
| <b>Funder Name</b>              | NSERC   |
| <b>Funder Identifier Code</b>   |   |
| <b>Funder Identifier Type</b>   |   |
| <b>Funder Identifier Scheme</b> |   |
| <b>Grant Number</b>             | CRDPJ47002814   |

### Awards 2

|                                 |   |
|---------------------------------|---|
| <b>Award Title</b>              | Computational allocation  |
| <b>Website</b>                  | <a href="https://alliancecan.ca/en">https://alliancecan.ca/en</a> |
| <b>Funder Name</b>              | Digital Research Alliance of Canada                               |
| <b>Funder Identifier Code</b>   |   |
| <b>Funder Identifier Type</b>   |   |
| <b>Funder Identifier Scheme</b> |   |
| <b>Grant Number</b>             | 20224188  |

## Related Resources

### Related Resources 1

|                              |  |
|------------------------------|--|
| <b>Related Resource Name</b> |  |
| <b>Resource Code</b>         |  |
| <b>Identifier Type</b>       |  |

**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**

hudson-bay

### **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://canwinerddap.ad.umanitoba.ca/erddap/files/baysys_model_data_8640_d52d_9c42/">https://canwinerddap.ad.umanitoba.ca/erddap/files/baysys_model_data_8640_d52d_9c42/</a>   |
| <b>Name</b>              | gridT and icemod NEMO 3.6, LIM2 and BLINGv0+DIC data  |
| <b>Description</b>       | Modelled oceanographic, sea-ice, and biogeochemical variables run with two CMIP5 climate forcings, MRI and MIROC5.  |
| <b>Format</b>            | nc  |
| <b>Resource Category</b> | data  |
| <b>URL</b>               | <a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/c066bb31-6b34-4550-a691-4976ca6413a8/resource/5f0291c4-6b27-4524-9e5d-ea3eb31745d0/download/data-dictionary-gridt.xlsx">https://canwin-datahub.ad.umanitoba.ca/data/dataset/c066bb31-6b34-4550-a691-4976ca6413a8/resource/5f0291c4-6b27-4524-9e5d-ea3eb31745d0/download/data-dictionary-gridt.xlsx</a>   |
| <b>Name</b>              | Data Dictionary - gridT   |
| <b>Description</b>       | Variable descriptions for the gridT files (physical oceanographic and biogeochemical variables).  |
| <b>Format</b>            | XLSX  |
| <b>Resource Category</b> | supplemental  |
| <b>URL</b>               | <a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/c066bb31-6b34-4550-a691-4976ca6413a8/resource/f989a311-ec51-4e47-af29-5026d4903be9/download/data-dictionary-icemod.xlsx">https://canwin-datahub.ad.umanitoba.ca/data/dataset/c066bb31-6b34-4550-a691-4976ca6413a8/resource/f989a311-ec51-4e47-af29-5026d4903be9/download/data-dictionary-icemod.xlsx</a> |
| <b>Name</b>              | Data Dictionary - icemod  |
| <b>Description</b>       | Variable descriptions for the icemod files (sea-ice variables).   |
| <b>Format</b>            | XLSX  |
| <b>Resource Category</b> | supplemental  |