Guiding Questions

What are strengths of this resource?

Who could benefit from using this?
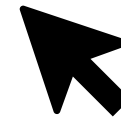
How useful is the Search/Filter/Explore functionality?

What could be improved?

Navigate to:
nordata.physics.utoronto.ca

Scientific Background

Hint: "online report" tab

Your turn!

Where can we find information describing the characteristics of different observational datasets?

Where can we find an overview of climate model future projections?

What are the four categories of historical data explored?

Where can we find a description of sea ice concentration observational data?

Scientific Background

ℹ️ 1. Go to "Online Report" -> "General Description of Data Sources" -> 2.1

ℹ️ 2. Go to "Online Report" -> "General Description of Data Sources" -> 2.2

ℹ️ 3. Meteorological data, Snow/Hydrology, Sea Ice, Permafrost

ℹ️ 4. "Historical Observations" -> 3.3.2

Search Historical Observations

Your turn!

1. Implement the following search filters

- Variable: 2m air temperature

- Type: Global atmospheric reanalysis

- Data format: NetCDF

2. Explore one dataset of your choosing

- Follow "details" page link

- Find annex

Table of Climate Model Simulations

Your turn!

What models provide snow-related variables?

What models have data for the RCP2.6 forcing scenario?

Can you find the download link for CMIP5 1°x1° gridded data?

Is there any high resolution (10km) model data generated by statistical downscaling?

Table of Climate Model Simulations

ⓘ 1. CMIP6 raw data, CMIP5 raw data, CMIP5 1°x1° gridded data, North American CORDEX raw data, Arctic CORDEX raw data

ⓘ 2. *CMIP6 raw data, CMIP5 raw data, CMIP5 1°x1° gridded data, North American CORDEX raw data, Arctic CORDEX raw data, bias-adjusted NAm CORDEX, BCCAQv2 ensemble

ⓘ 4. BCCAQv2 ensemble, Ouranos ensemble of CMIP5 data

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