

# Data Management in GWF: Information for Modellers

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UNIVERSITY OF SASKATCHEWAN

Global Water Futures

[GWF.USASK.CA](http://GWF.USASK.CA)





# What is the GWF Data Policy?

- Acknowledgement that data is an important legacy of the GWF program
- Document developed at the start of the program to serve as a guide to GWF projects and their HQP
- Goal ensure GWF funding requirements are met
- FAIR Data Principles

**Findable**

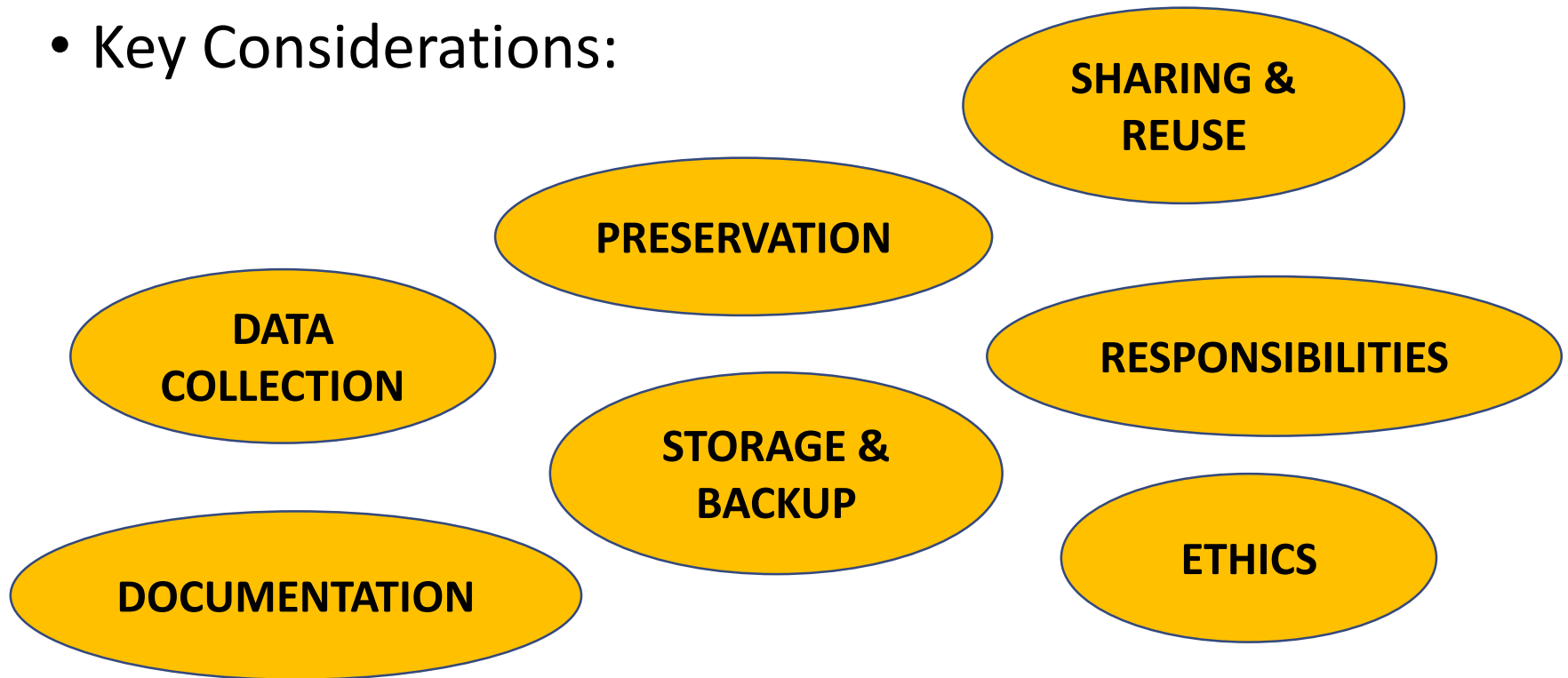
**Accessible**

**Interoperable**

**Reusable**

# Data Management Plan

- Requirement for GWF projects
- Roadmap for how data will be managed both during and after a project
- Key Considerations:





# Data Management: Active Research Phase

- Keep track of all data being used/generated
  - Acknowledge data providers
- Ensure data is properly stored & backed up
- Provide metadata for the GWF data catalogue
  - Identify cross-project similarities
  - Find unpublished datasets
- Practice reproducible research
  - Use discipline-related standards and best practices
  - Document methods of generating and analyzing data

# Share: Dataset Publication



**Who?** All researchers

**When?** Same time as journal paper publication

**How?** Prepare dataset & submit to repository for DOI

**Why?** Ensure data is findable and accessible, properly documented. Receive citations.

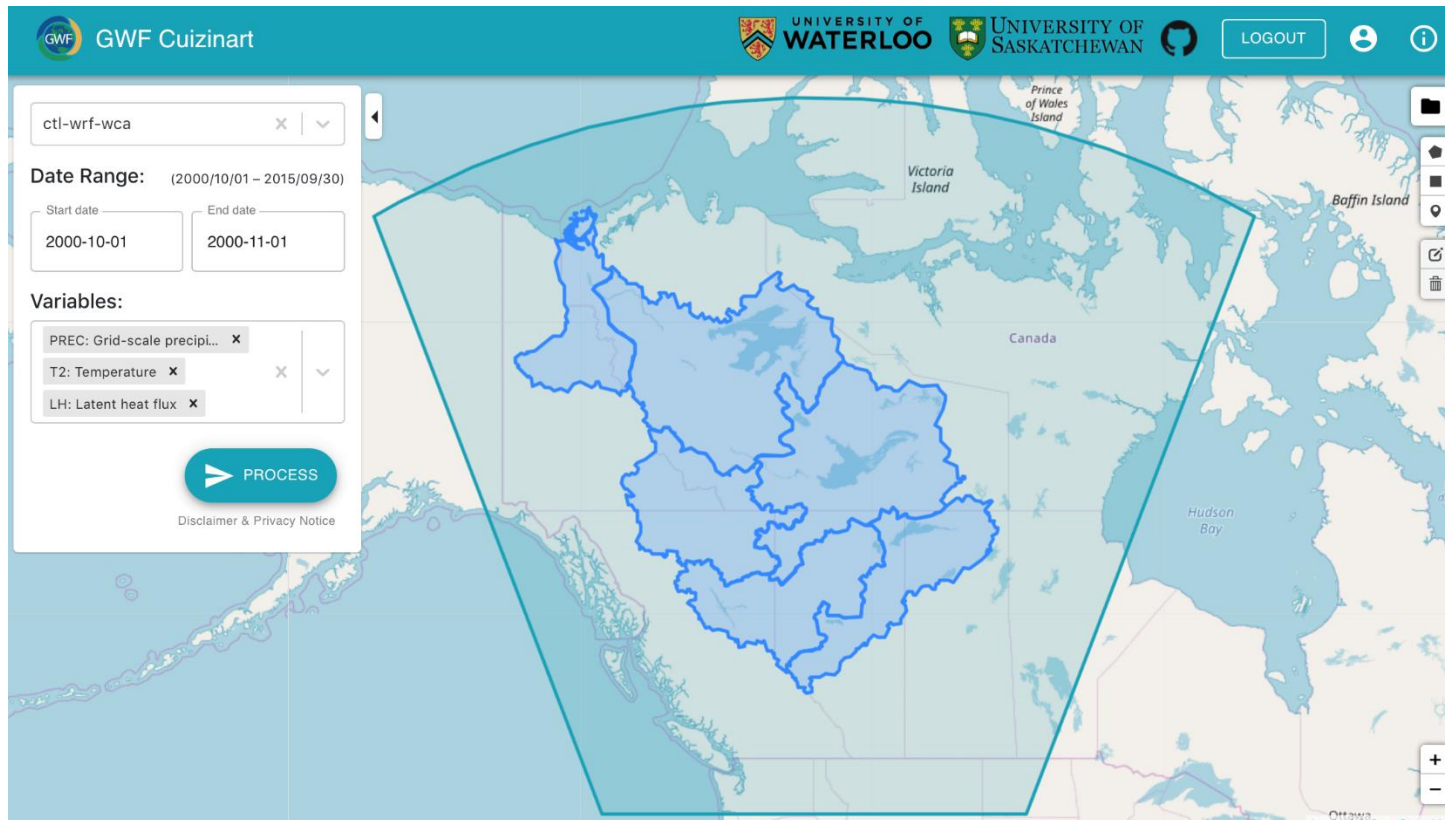
e.g. Federated Research Data Repository - [www.frdr.ca](http://www.frdr.ca)



# Share: Cuizinart

- Large-scale gridded datasets
- Extract only the data you need

<http://cuizinart.io> – Julie Mai (Poster 23)

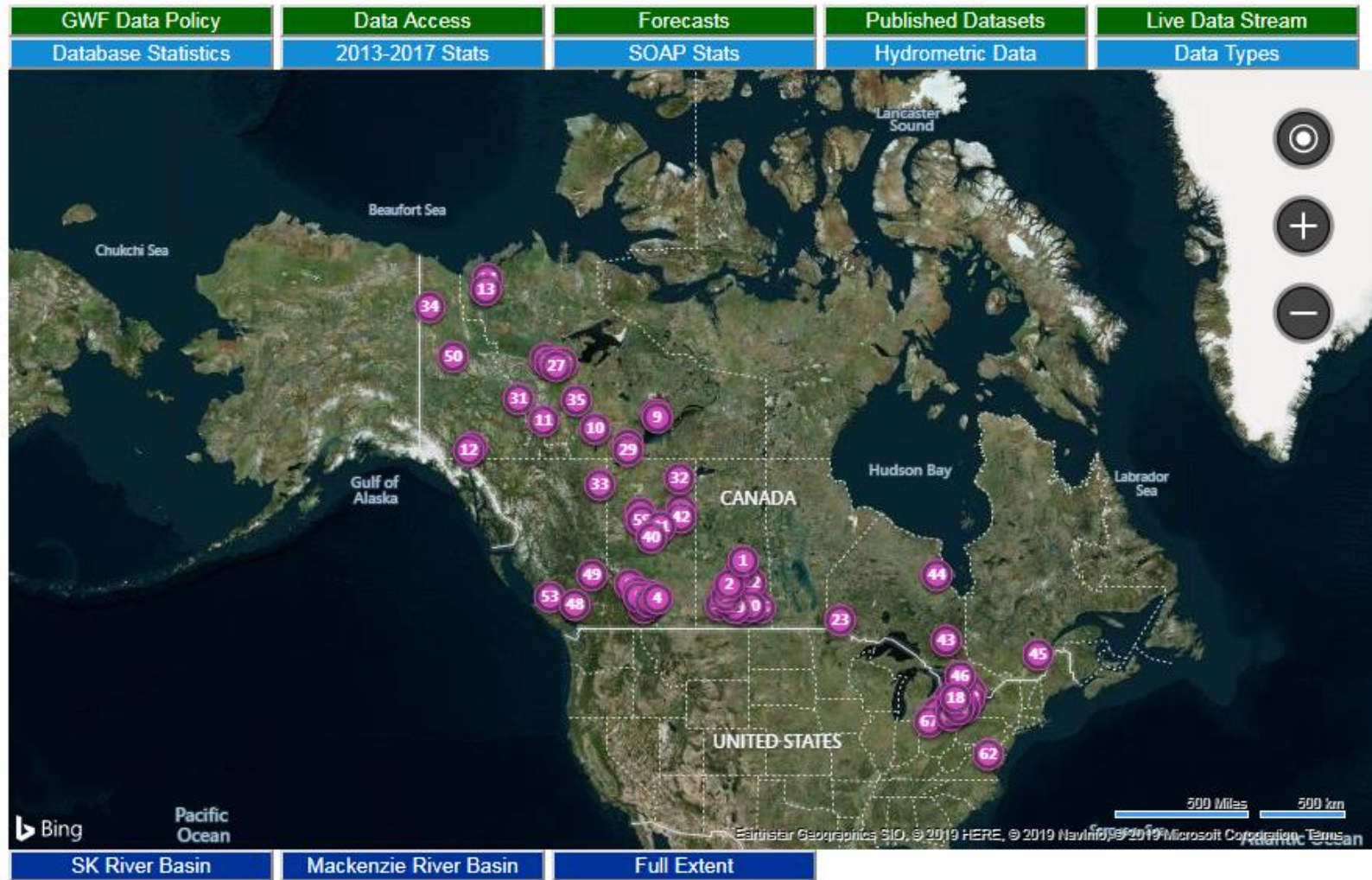






# Resources: GWF Data Portal

[giws.usask.ca/meta/](https://giws.usask.ca/meta/)





# Modelling Data Catalogue

<https://wiki.usask.ca/display/MDC/>

Pages

Blog

SPACE SHORTCUTS

Here you can add shortcut links to the most important content for your team or project.  
[Configure sidebar.](#)

PAGE TREE

- › [Climate Forcings](#)
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## Modelling Data Catalogue Home

Created by Princz, Daniel, last modified on Jan 11, 2019

This space contains a catalogue relevant to data source for modelling activities.

### Sections

- [Climate Forcings](#)
  - [Adjusted and Homogenized Canadian Climate Data \(AHCCD\)](#)
  - [ANUSPLIN](#)
  - [Canadian Gridded Temperature and Precipitation Anomalies \(CANGRD\)](#)
  - [CaPA\\_coarse](#)
  - [CaPA\\_fine](#)
  - [Global Deterministic Prediction System \(GDPS\)](#)
  - [Global Ensemble Prediction System \(GEPS\)](#)
  - [High-Resolution Deterministic Prediction System \(HRDPS\)](#)
  - [Princeton V.1 and V.2](#)
  - [Regional Canadian Precipitation Analysis \(RDPA - CaPA\) — The Regional Determini](#)
  - [Regional Deterministic Prediction System \(RDPS\)](#)
  - [Regional Ensemble Prediction System \(REPS\)](#)
  - [The Canadian Land Data Assimilation System \(CaLDAS\)](#)
  - [The Global Environmental Multiscale Model \(GEM-RDPS, HRDPS\)](#)
  - [The North American Regional Reanalysis \(NARR\)](#)
  - [The WFDEI meteorological forcing data set](#)
  - [WATCH Forcing Data \(WFD\)](#)
- [Digital Elevation Models](#)
  - [Canadian Digital Elevation Model \(CDEM\)](#)
  - [Conditioned DEM from Hydrosheds \(SRTM\)](#)





# Contact Us

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