

# Building Bridges Connecting Data and Community

Evergreen - Community Solutions Network

May 1st 2024



Living Lakes  
CANADA





Living Lakes Canada's water stewardship work takes place on many Indigenous territories across Canada. In the Canadian Columbia Basin, we acknowledge the traditional, ancestral, and unceded territories of the Ktunaxa, Lheidli T'enneh, Secwépemc, Sinixt and Syilx Nations



*Kokanee Salmon. Photo by Nicole Trigg.*



# What will we discuss?

1

Living Lakes Canada

2

Open Data

3

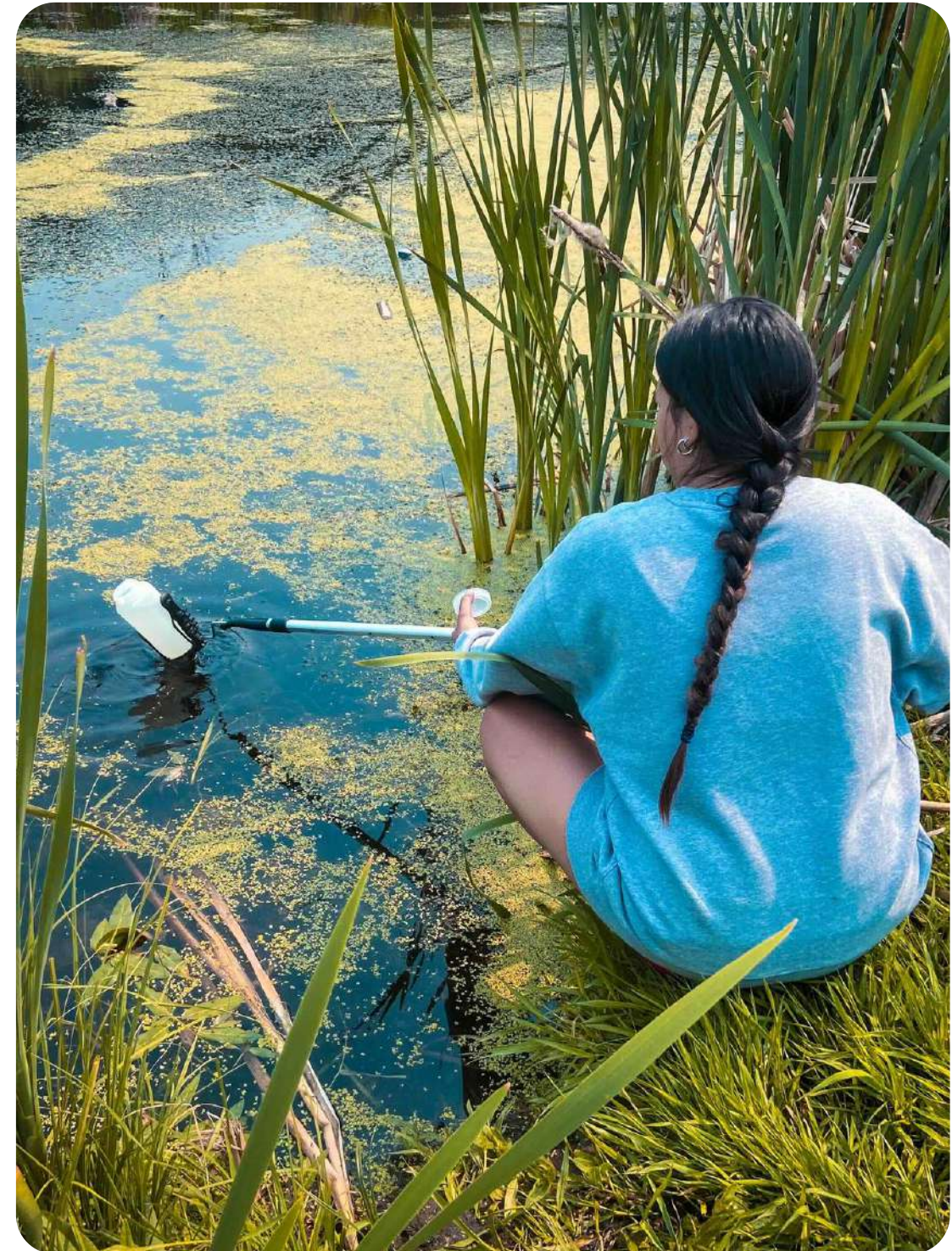
Open Data and Technology

4

Columbia Basin Water Hub

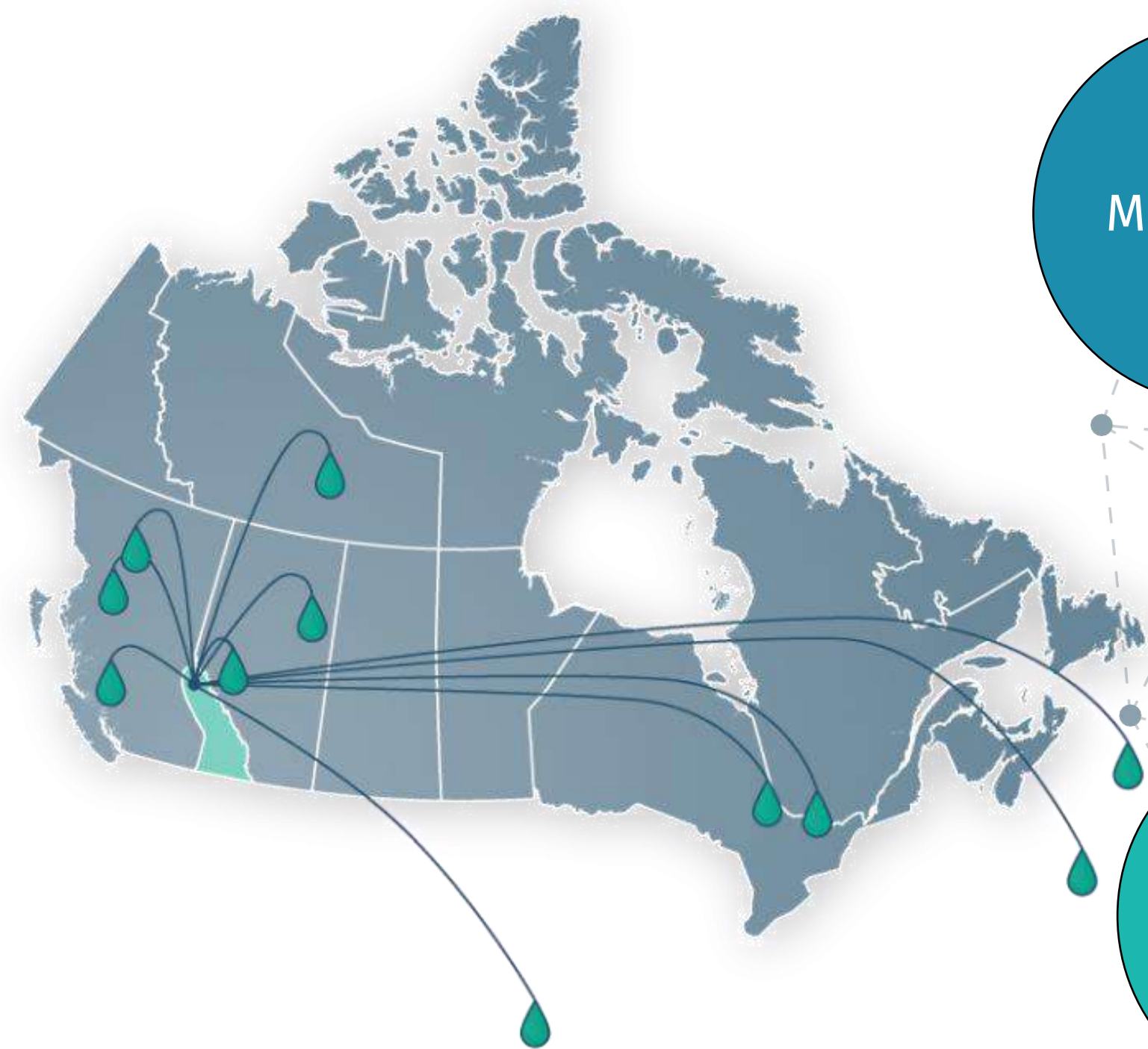
5

Regional Scale Databases





# Introduction



Monitoring

Restoration

Policy Development



Rivers & Streams

Lakes & Wetlands

Collaboration



# Understanding Open Data

“

*...data that can be freely used, re-used and redistributed - subject only, at most, to the requirement to attribute and sharealike.*

*-Open Knowledge Foundation*

”



# Importance of Open Data

Access

Collaboration

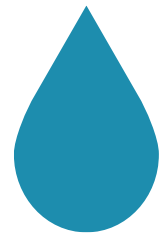
Transparency

Preservation

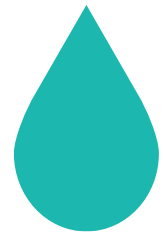
Stewardship

# Technology Development and Open Data: A Symbiotic Relationship

Here's how technology and open data complement each other:



Enhanced Accessibility



Data Analysis and Insights



Collaborative Innovation



Transparency and Collaboration

# FAIR Data Principles

F

A

I

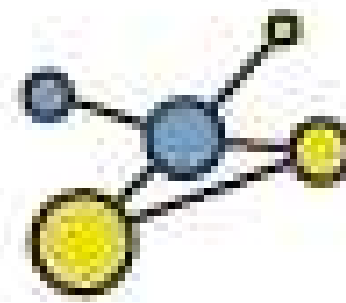
R



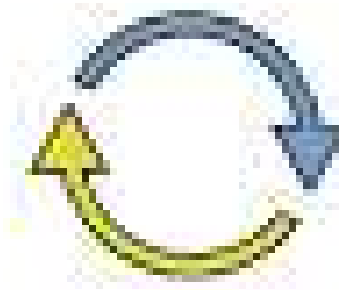
Findable



Accessible



Interoperable



Reusable

*(Wilkinson et al., 2016)*  
*Image: nlm.nih.gov*



The image is a composite of three photographs. The top photograph shows a stream with a metal grate in the foreground and a ruler on the left. The middle photograph is a dark, semi-transparent blue horizontal band containing the text 'Columbia Basin Water Hub'. The bottom photograph shows a stream with a ruler on the left and fallen orange-brown leaves in the water. The ruler is white with blue markings and numbers, and the text 'METRIC' is visible at the top. The stream water is clear and reflects the surrounding environment.

# Columbia Basin Water Hub



# The Role of the Water Hub

Adhering to best data management practices can be difficult.

*“Living Lakes Canada’s ongoing development of the Columbia Basin Water Hub is leading the way in providing comprehensive water data management services for community-based water monitoring groups in B.C. Their collaborative, flexible approach is designed to meet the water data management needs of existing and new partner communities and to evolve with watershed management science and practices.”*

**- Ian Sharpe, Strategic Advisor for the Collaborative Monitoring Initiative**







# Water Hub Successes

Since our launch we have seen many successes:

**Increase in data quality and data management practices**

**Data Access and Data Preservation**

**Increased community engagement and relationship building**

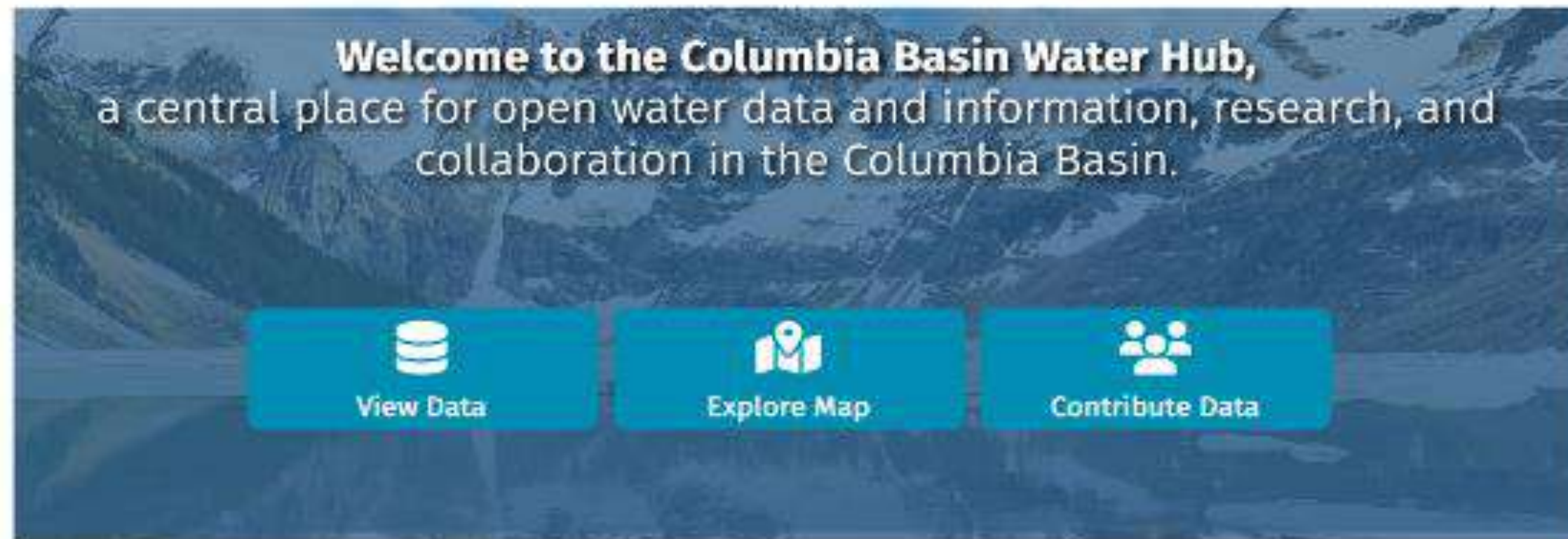
**Data Governance**



# Columbia Basin Water Hub Tour



COLUMBIA BASIN  
**WATER HUB**



Visit [cbwaterhub.ca](http://cbwaterhub.ca)



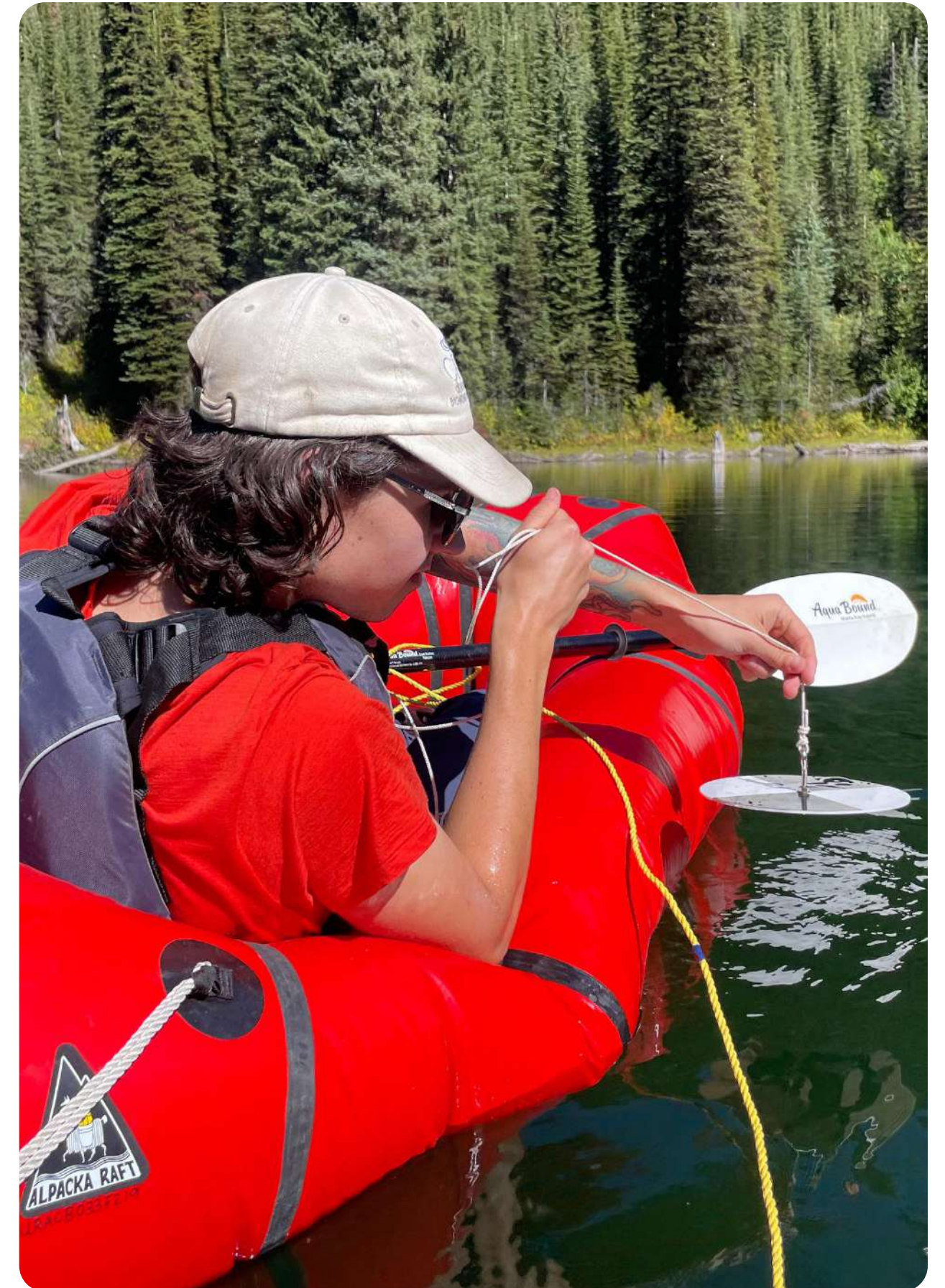
# The Water Hub in the Real World

Government Decision Making

Pacific Salmon Foundation Model

Niagra College Student Project

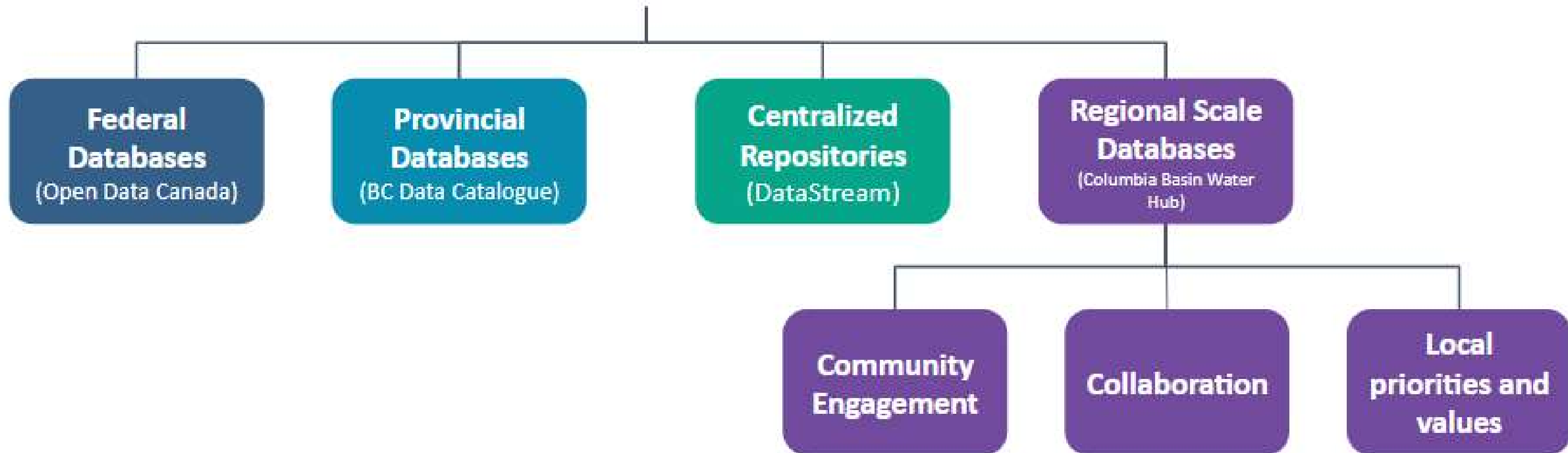
Consultants and Stewardship Groups





# Where do I put my data?

## Database Options





# Looking Forward

Facilitation of  
more Regional  
Scale Database  
Builds

Working on data  
interoperability  
and database  
integration.

Get involved and  
consider sharing  
your data!



*[Insert general photo description]. LLC Photos*



# Thank you!

Learn more at [cbwaterhub.ca](https://cbwaterhub.ca)



**Contact**

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