

# Nisga'a



Gisk'aast





Centre for Indigenous Fisheries  
Centre des pêches autochtones  
Dr. Andrea Reid

*The FWI Science Seminar Series and the O&P Indigenous Engagement and Consultation Hub present:*

## Insight Lecture 2021

Sympatric coexistence of Indigenous and  
Western Science in Modern Fisheries  
Coexistence des sciences autochtones et  
occidentales dans les pêches modernes



# Fisheries criminalization

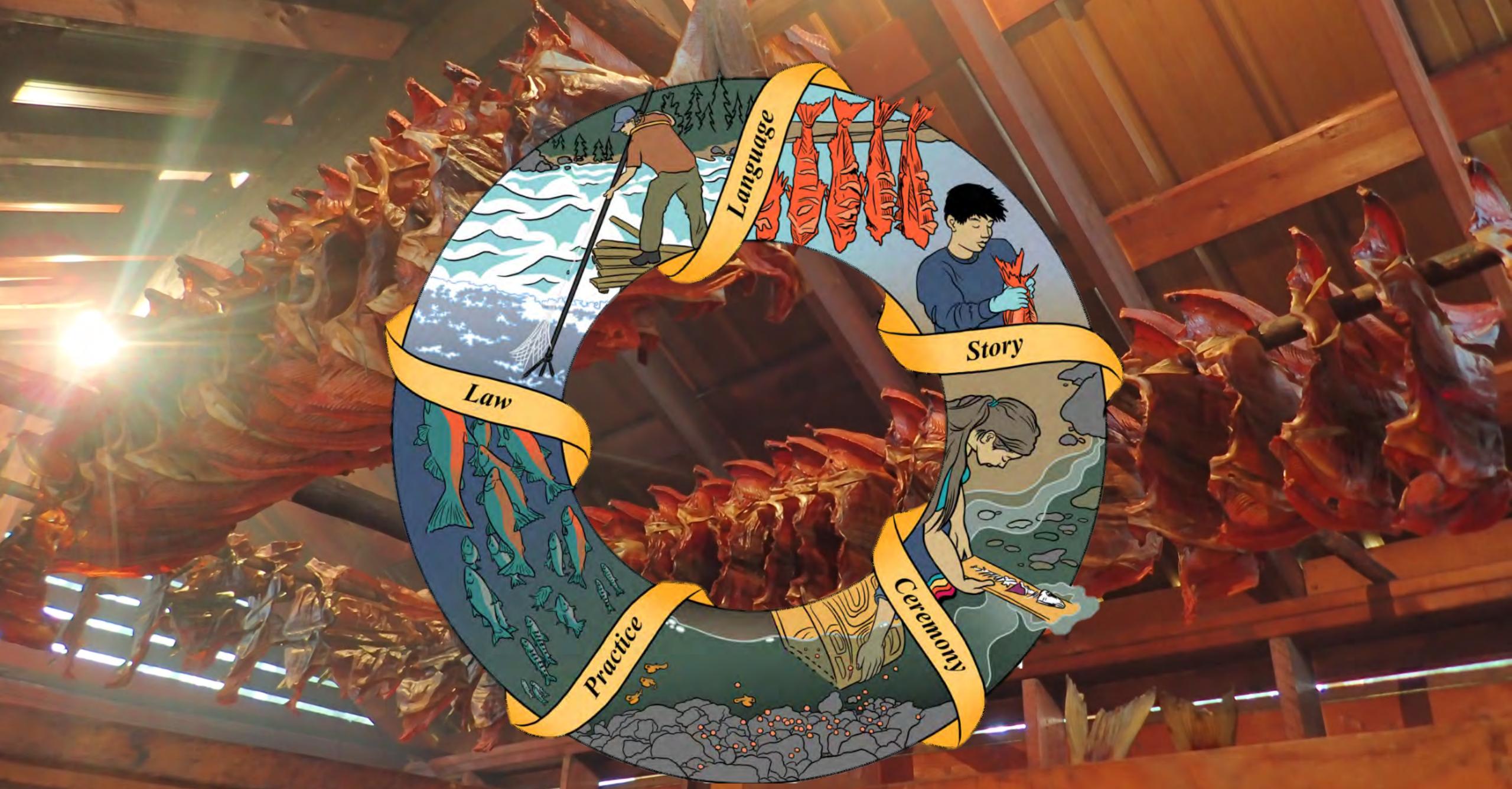
## Criminalisation de la pêche



A photograph showing a massive pile of fish, likely salmon, piled high on the deck of a fishing boat. A person's arm in a red sleeve is visible on the right, pointing towards the catch. The fish are dark-colored with distinct white spots. In the background, a metal railing and some equipment are visible.

# Fish as commodity

## Poissons comme marchandise





J. Houston



# Fish as subjects

# Poissons comme sujets

**Fish–People–Place: Interweaving Knowledges  
to Elucidate Pacific Salmon Fate**

Carleton  
University

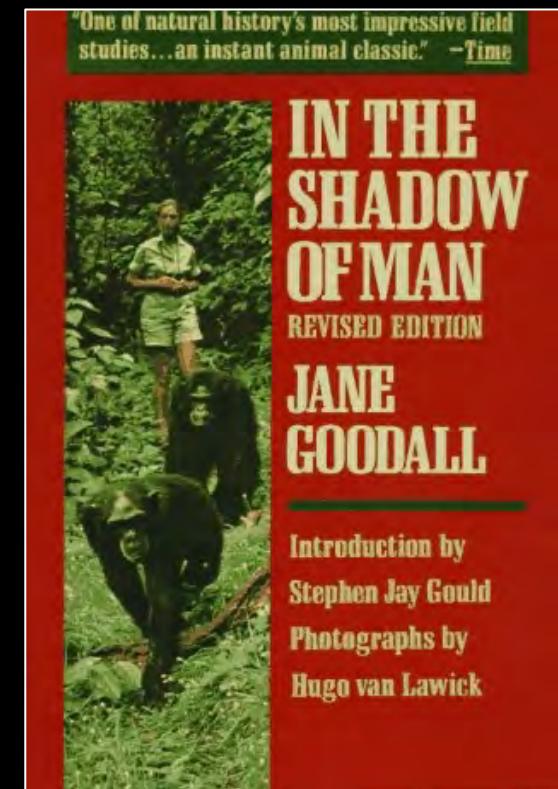
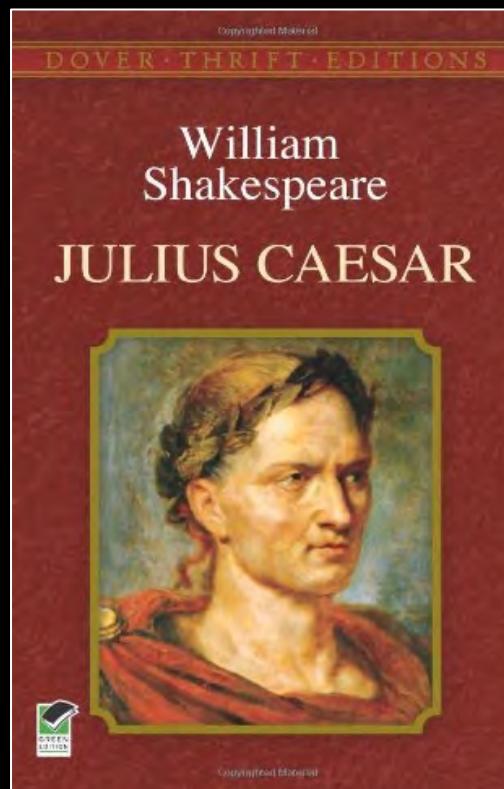
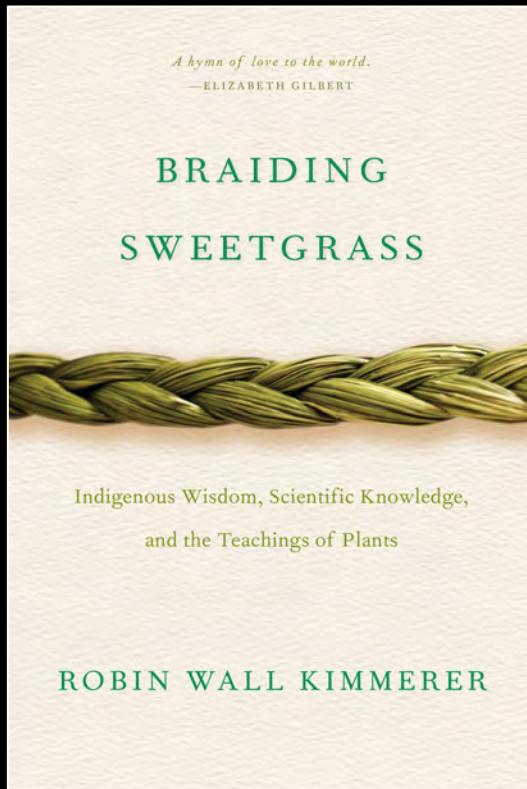
by

Andrea J. Reid

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# Grammar of animacy

# Grammaire de l'animéité





A. Reid

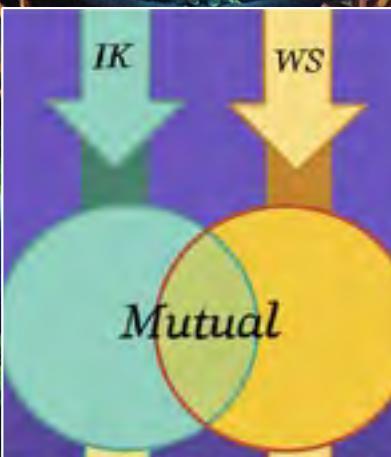
# Epistemological approaches to pluralism

## Approches épistémologiques du pluralisme

Ancient  
Greece & the  
Renaissance; favours  
reductionism  
Grèce ancienne &  
Renaissance; favorise  
le réductionnisme

Gather &  
condense knowledge  
into laws & principles  
Rassembler &  
condenser les  
connaissances en  
lois & principes

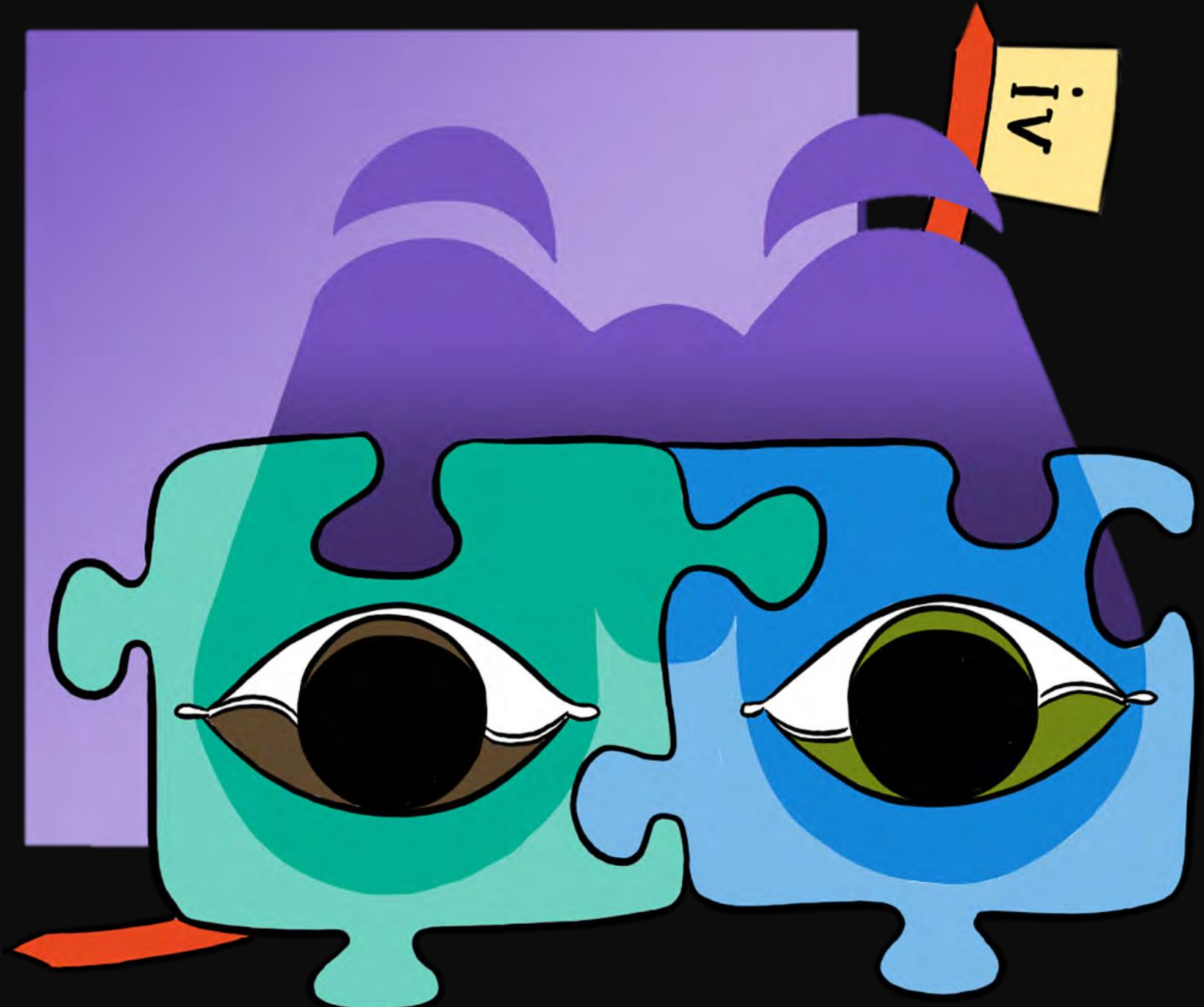
Participants in  
culture, affected by  
worldview & interests  
of community  
Participants à la  
culture, affectés par  
croyances et intérêts  
de communauté



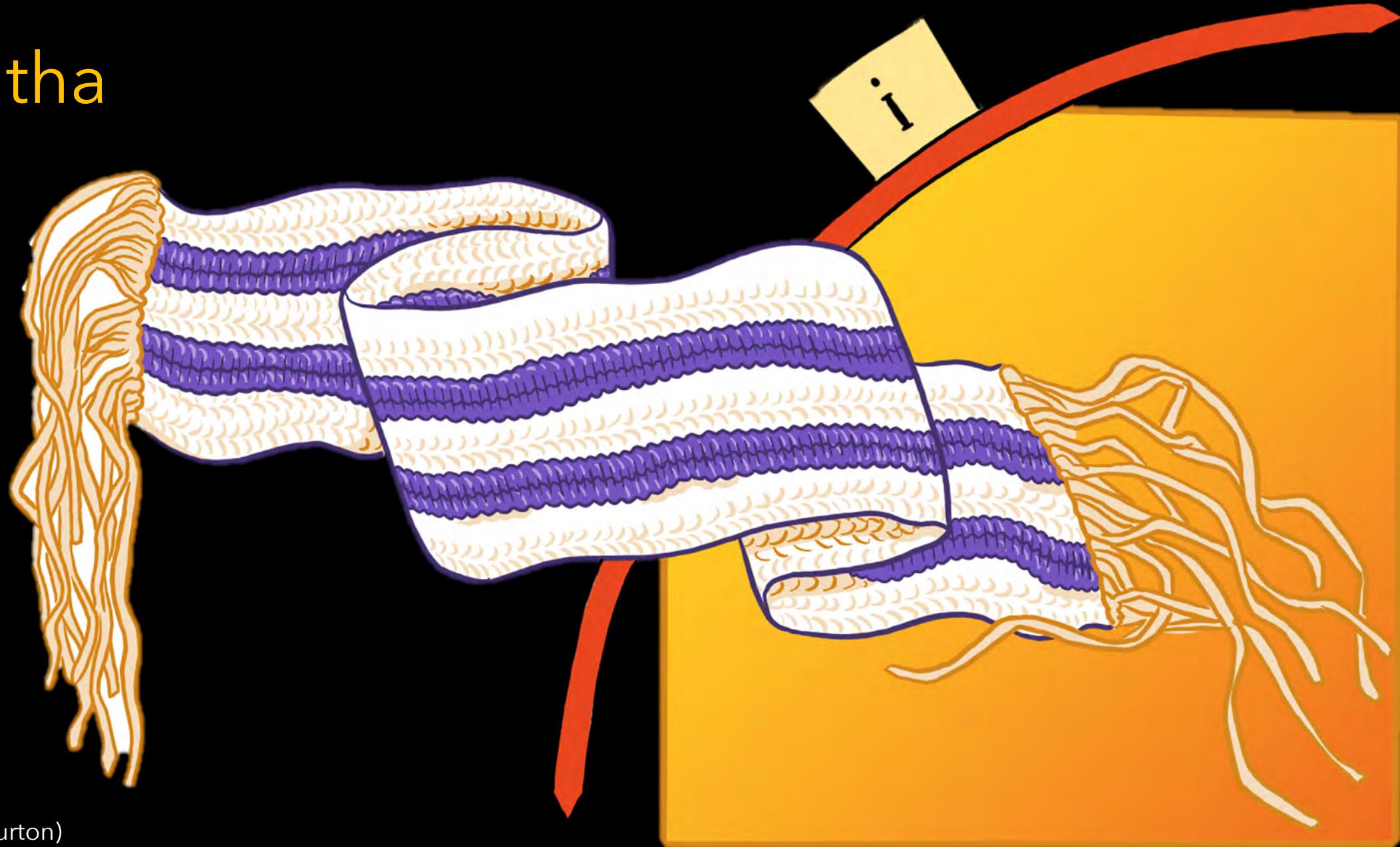


A. Reid

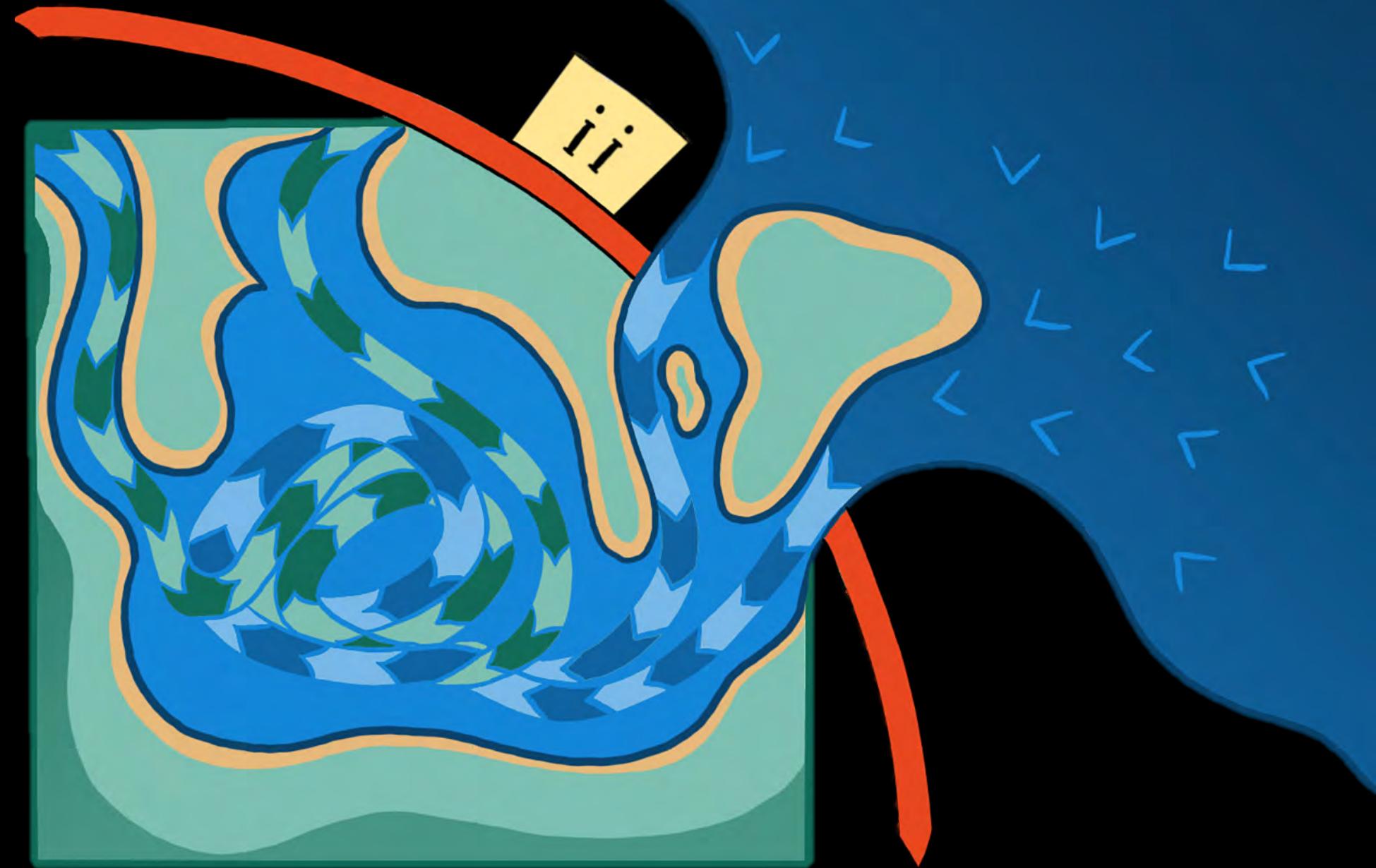
Etuaptumuk



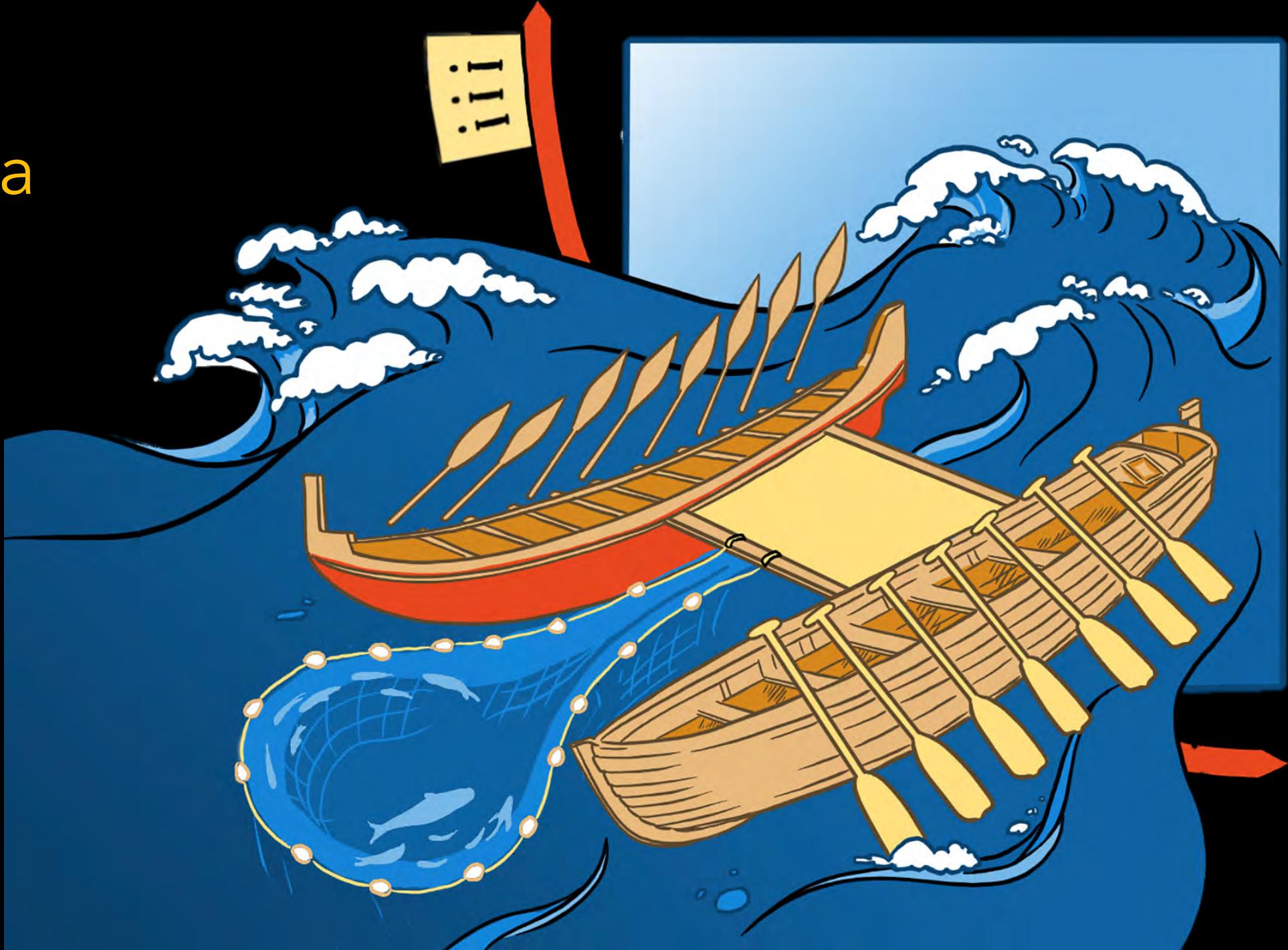
# Kaswenthā



Ganma



# Waka-Taurua





Indigenous  
knowledge  
systems  
*Systèmes de  
connaissances  
autochtones*

Working  
together in a  
good way  
*Travailler  
ensemble  
dans le bon  
sens*

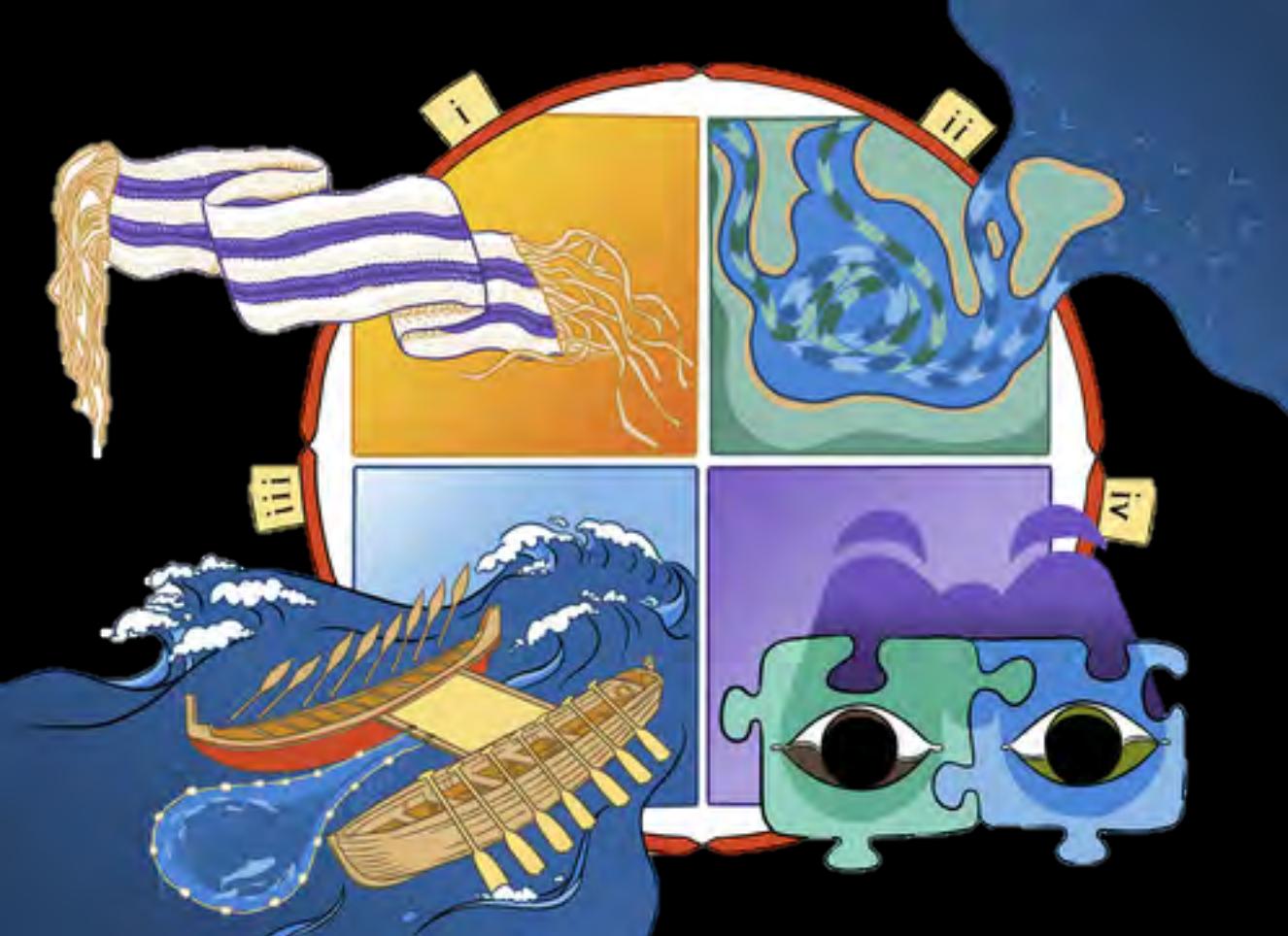
Western  
knowledge  
systems  
*Systèmes de  
connaissances  
occidentales*



Indigenous  
knowledge  
systems  
Systèmes de  
connaissances  
autochtones

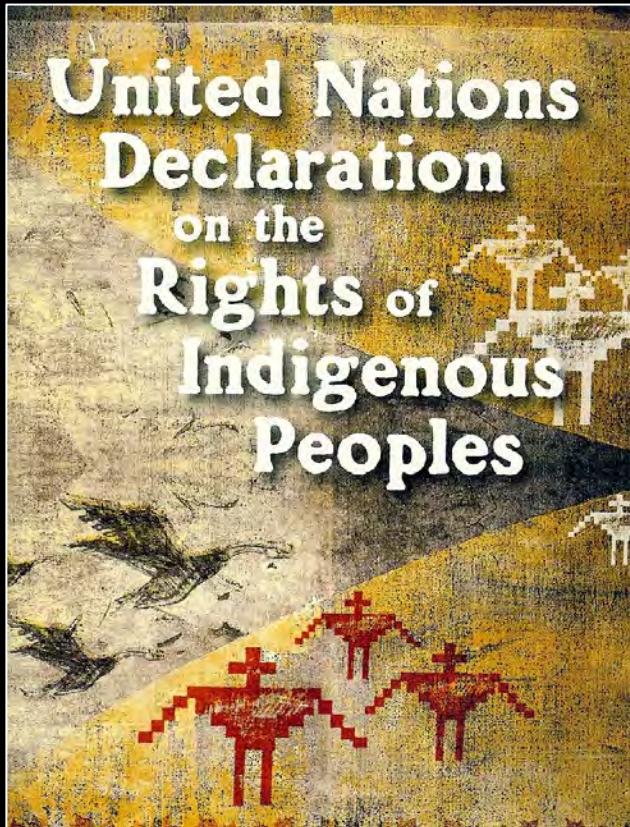
Working  
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dans le bon  
sens

Western  
knowledge  
systems  
Systèmes de  
connaissances  
occidentales



# Uphold Indigenous rights

## Défendre les droits des peuples autochtones



### UNDRIP Article 31

1. Indigenous peoples have the right to maintain, control, protect and develop their cultural heritage, traditional knowledge and traditional cultural expressions, as well as the manifestations of their sciences, technologies and cultures, including human and genetic resources, seeds, medicines, knowledge of the properties of fauna and flora, oral traditions, literatures, designs, sports and traditional games and visual and performing arts. They also have the right to maintain, control, protect and develop their intellectual property over such cultural heritage, traditional knowledge, and traditional cultural expressions.
2. In conjunction with indigenous peoples, States shall take effective measures to recognize and protect the exercise of these rights.

# FISH and FISHERIES



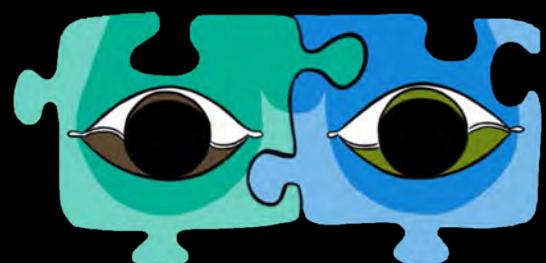
ORIGINAL ARTICLE

Open Access



## "Two-Eyed Seeing": An Indigenous framework to transform fisheries research and management

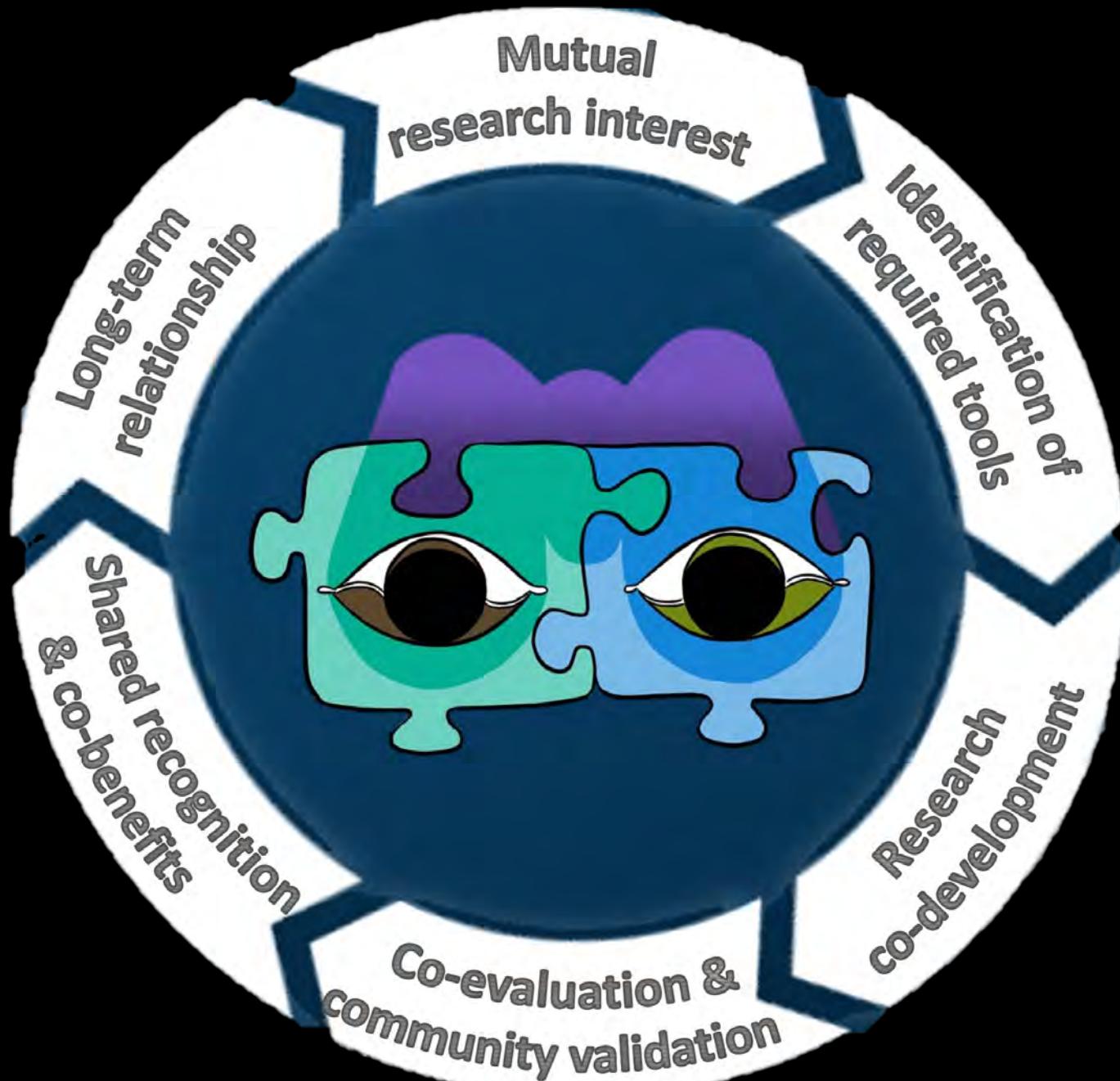
Andrea J. Reid , Lauren E. Eckert, John-Francis Lane, Nathan Young, Scott G. Hinch, Chris T. Darimont, Steven J. Cooke, Natalie C. Ban, Albert Marshall



## 20 Essential Reads

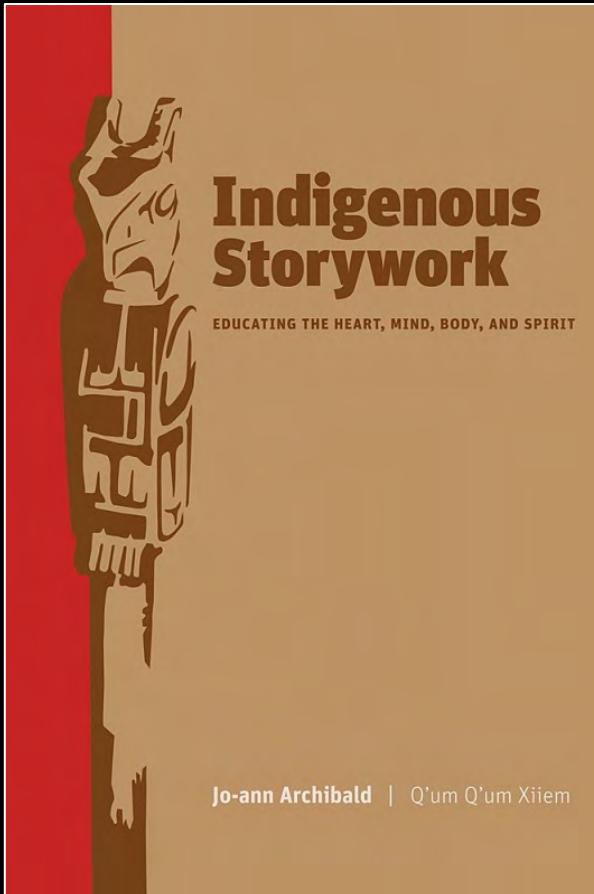
to Enable Two-Eyed Seeing in Aquatic Research and Management

by Andrea Reid, Jesse Popp, Deborah McGregor, Jacquie Miller, and Albert Marshall

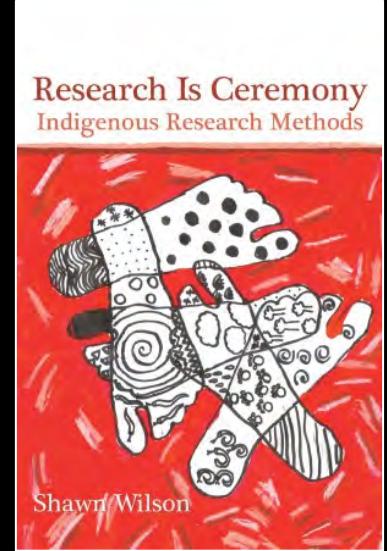


# Getting “story ready”

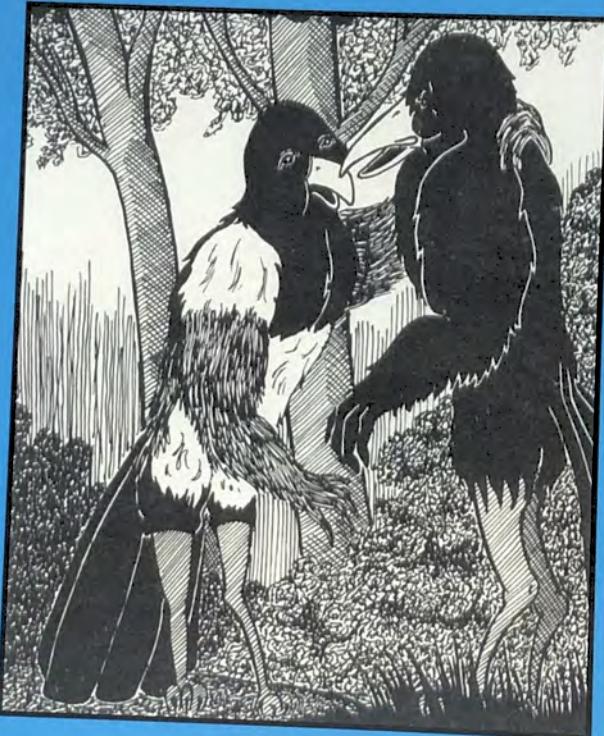
## Préparation essentielle



- Understand colonial impact  
Comprendre l'impact colonial
- Appreciate Indigenous knowledge systems  
Apprécier les systèmes de connaissances autochtones
- Value relationships  
Valoriser les relations
- Learn the “core” of knowledge  
Apprenez le “noyau” des connaissances



# Mr. Magpie & Mr. Crow



as told by CHIEF HARRY EDWARDS



Adawaak

# Reciprocal Relationships



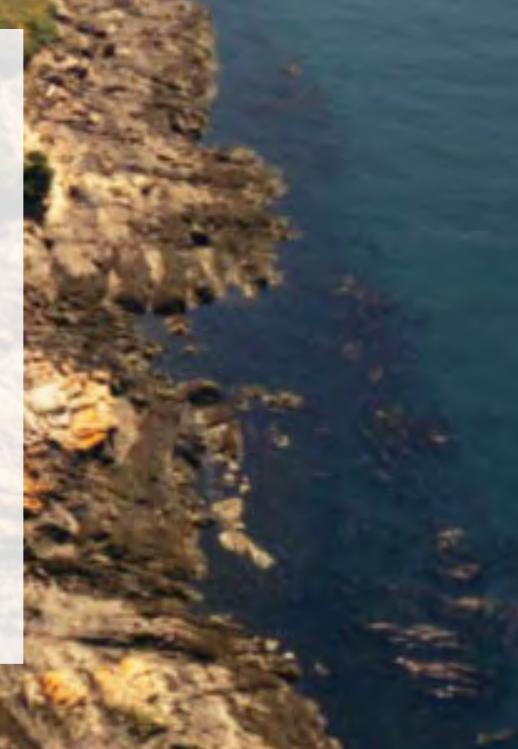
Work  
Travail

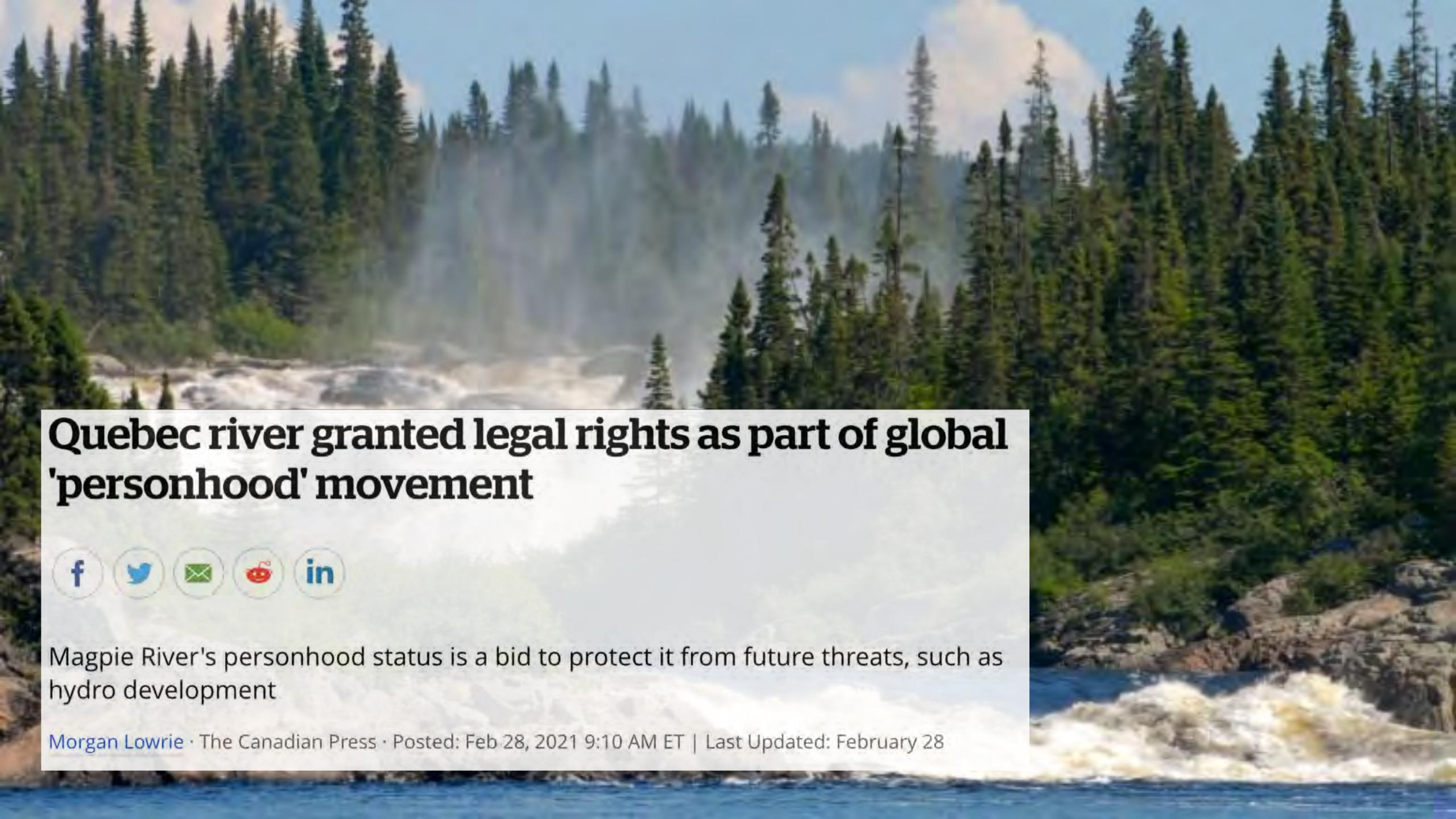


# SISȻENEM (Halibut Island) transfers to WSÁNEĆ Leadership Council under historic agreement

The Land Conservancy purchased the 9.67-acre island for \$1.55 million with help from unnamed donor

**WOLF DEPNER** / Feb. 26, 2021 10:00 a.m. / LOCAL NEWS / NEWS





# Quebec river granted legal rights as part of global 'personhood' movement



Magpie River's personhood status is a bid to protect it from future threats, such as hydro development

Morgan Lowrie · The Canadian Press · Posted: Feb 28, 2021 9:10 AM ET | Last Updated: February 28



[klemtu.com/research-guide](http://klemtu.com/research-guide)

# **Informing First Nations Stewardship with Applied Research**

Key questions to inform an equitably beneficial  
and engaged research process

**Kitasoo/Xai'xais Stewardship Authority**



UINR



Tooyaksiy' nisim

# Reading list

## Liste de lecture

- **Archibald**, J.A., 2008. Indigenous Storywork: Educating the Heart, Mind, Body, and Spirit. UBC Press.
- **Kimmerer**, R.W., 2013. Braiding Sweetgrass: Indigenous Wisdom, Scientific Knowledge and the Teachings of Plants. Milkweed Editions.
- **Reid**, A.J., 2020. Fish-People-Place: Interweaving Knowledges to Elucidate Pacific Salmon Fate (Doctoral dissertation, Carleton University).
- **Reid**, A.J., Eckert, L.E., Lane, J.F., Young, N., Hinch, S.G., Darimont, C.T., Cooke, S.J., Ban, N.C. and Marshall, A., 2020. "Two-Eyed Seeing": An Indigenous framework to transform fisheries research and management. *Fish and Fisheries*.
- **Reid** A.J., Popp, J., McGregor, D., Miller, J., and Marshall, A., 2020. 20 Essential Reads to Enable Two-Eyed Seeing in Aquatic Research and Management. *IAGLR Lakes Letter*, Fall.
- **Wilson**, S., 2008. Research is Ceremony: Indigenous Research Methods. Fernwood Publishing.