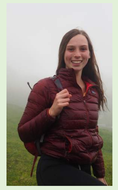

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Student-led programming to support a culture of two-eyed seeing in postsecondary science settings (research lab groups and students)

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Motivation

Focusing on the research environment, enriching the knowledge of current and future faculty

Respond to the Truth and Reconciliation's Calls to Action regarding reassessing educational practices

While the importance of Etuaptmumk (two-eyed seeing) is being routinely stated by universities, it's application at all levels within institutions is inconsistent.

- Currently these efforts have been focused on indigenizing/decolonizing science undergraduate courses
- Goal: Expand focus to research groups

Providing structured resources for current and future faculty to respectfully and responsibly engage with Indigenous knowledges and histories

Objective

Create workshops for science research labs focused on increasing participant knowledge of Indigenous cultures, diversity, and knowledge systems. They are designed to allow individuals to engage in these topics with their research group.

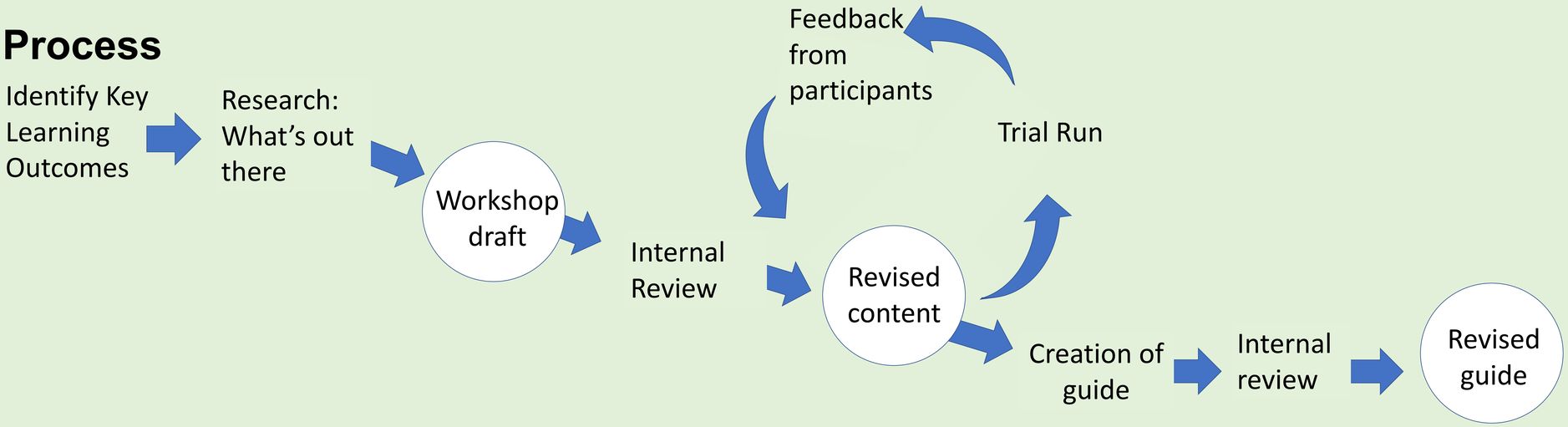
Our plan:

- Working to address this by integrating Etuaptmumk (two eyed seeing) into the research environment
- Develop workshops with guidelines to enable all individuals to lead and engage with the topics

Audience

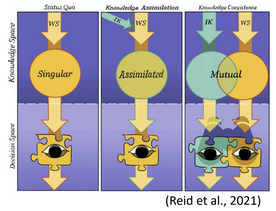
These workshops are a model for Justice, Equity, Diversity and Inclusion training for current and future faculty, such as post docs, graduate students and professors.

Process



Workshops at a Glance

Braiding Knowledges



(Reid et al., 2021)

Defining Science, Indigenous knowledge and misconceptions between them. Exploring Etuaptmumk

The Metis: history and relations

(https://easternwoodlandmetisnation.ca/the-metis-flag/)

Metis identity, recognition and policy making by government and residential school history

Terminology and Broadening Perspectives

(https://assets.brand.ubc.ca/downloads/ubc_indigenous_peoples_language_guide.pdf)

Why terminology matters, definitions, historical context and preferences.

Historical perspectives of Indigenous relationships with Canada

(https://indigenouspeoplesatlasofcanada.ca/article/fur-trade/)

The fur trade, Treaties and landmark policy making. Setting

Truth and Reconciliation: through the lens of universities and science

Truth and Reconciliation Commission of Canada

(https://nctr.ca/records/reports/)

Canada's commitment to reassessing educational practices & the role of universities

Progress: Braiding Knowledges

Developed workshop
Performed internal review with leadership team and students
revised content to apply to all STEM fields & better engage participants

Trial runs to different audiences: to a research group & to graduate Science students

Participant feedback led to further revisions
Current step: Create guideline to enable others to lead this workshop in their own environment

Lessons Learned

- Spearheading the workshop with terminology enables participant engagement
- Working through examples assists with self evaluation of learning
- Historical context provides relevance as workshop material unfolds
- Infusing the workshop with a personal journey creates a safe place for others to do the same

Acknowledgement

This work brings together knowledges, resources and presentations from a variety of sources, including peer reviewed papers, personal communications and open access published reports. By building on what others have done we work towards providing content in a format that is easily introduced to the research environment. We acknowledge the work of others within the context of each workshop.

EARTH, OCEAN & ATMOSPHERIC SCIENCES

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References

Reid, A. J., Eckert, L. E., Lane, J. F., Young, N., Hinch, S. G., Darimont, C. T., ... & Marshall, A. (2021). "Two-Eyed Seeing": An Indigenous framework to transform fisheries research and management. *Fish and Fisheries*, *22*(2), 243-261.