Current Opinion in Environmental Sustainability

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Review

Weaving Indigenous and Western knowledge systems across a continuum of knowledge and decision-making spaces

Natalie C Ban [1] * ✉, Hannah V Watkins [2] *, Robyn E Forrest [3], Alejandro Frid [1 2], Carrie A Holt [3], Sierra J Hall [4], Christina N Service [4], Luisa Ramirez [5], Daniel L Curtis [3], Kyle L Wilson [2], Lawrence Ignace [1], Andrea J Reid [6], Keshia Moffat [7], Mercedes R Neasloss [4], nicole marie burton [8]

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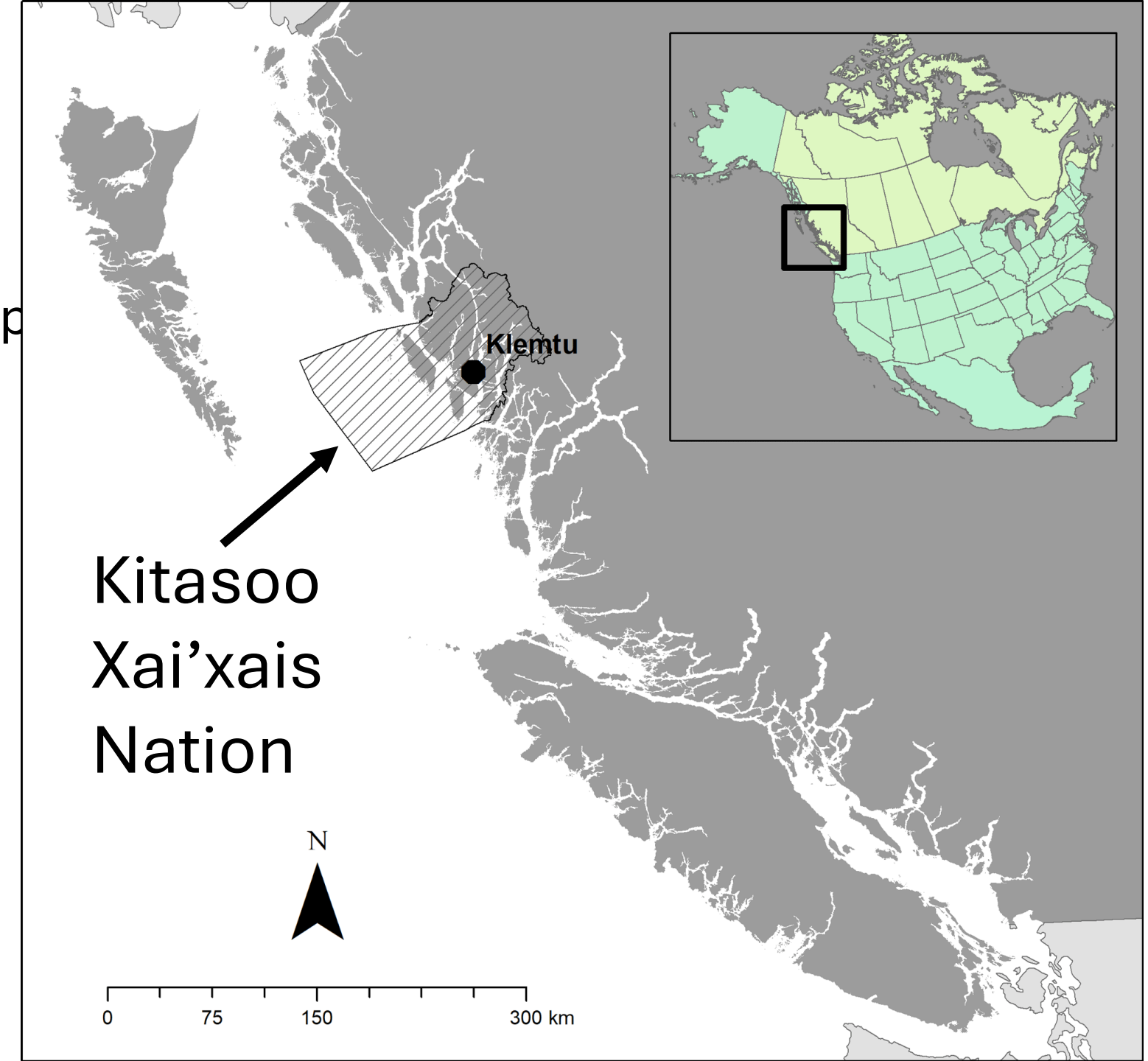





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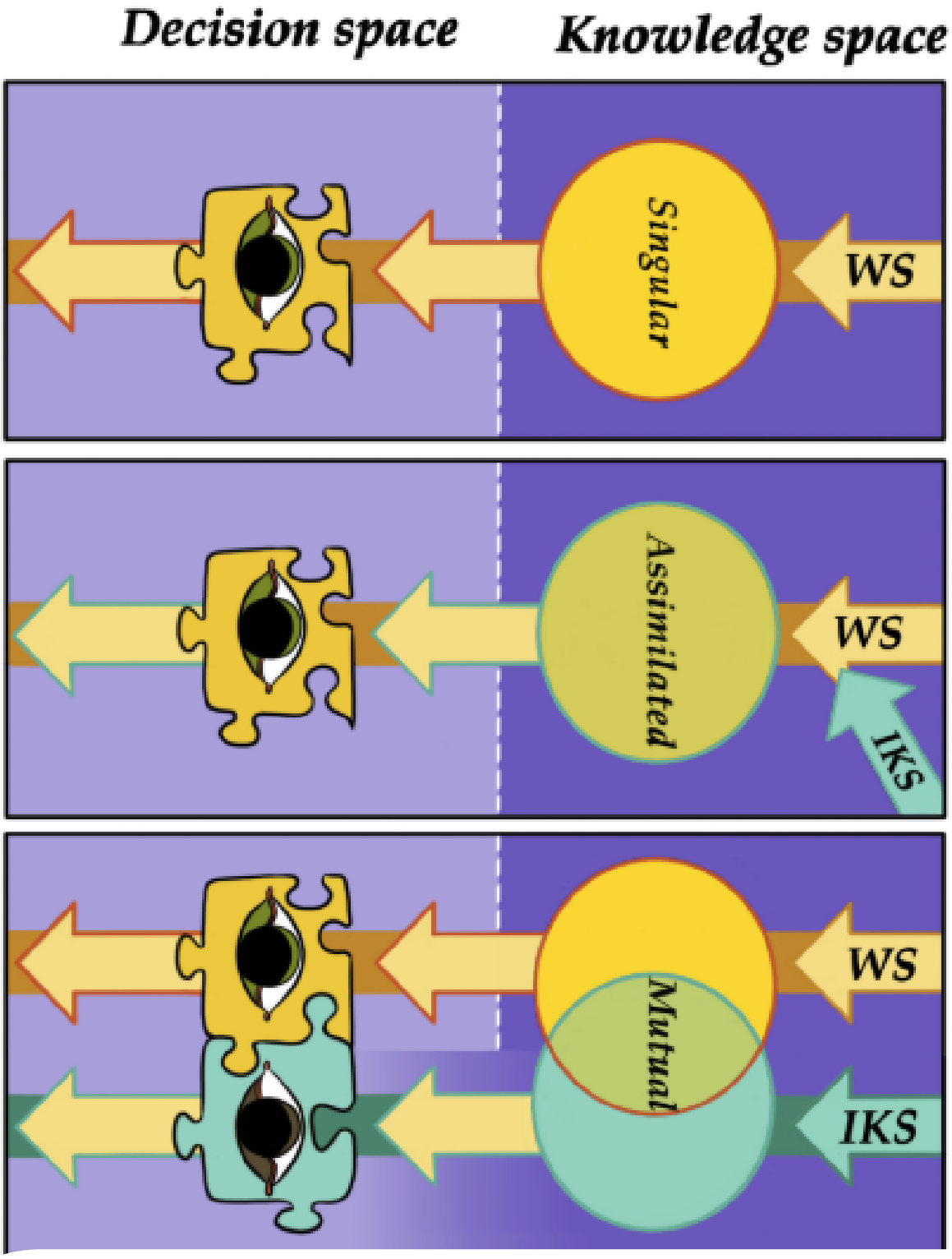
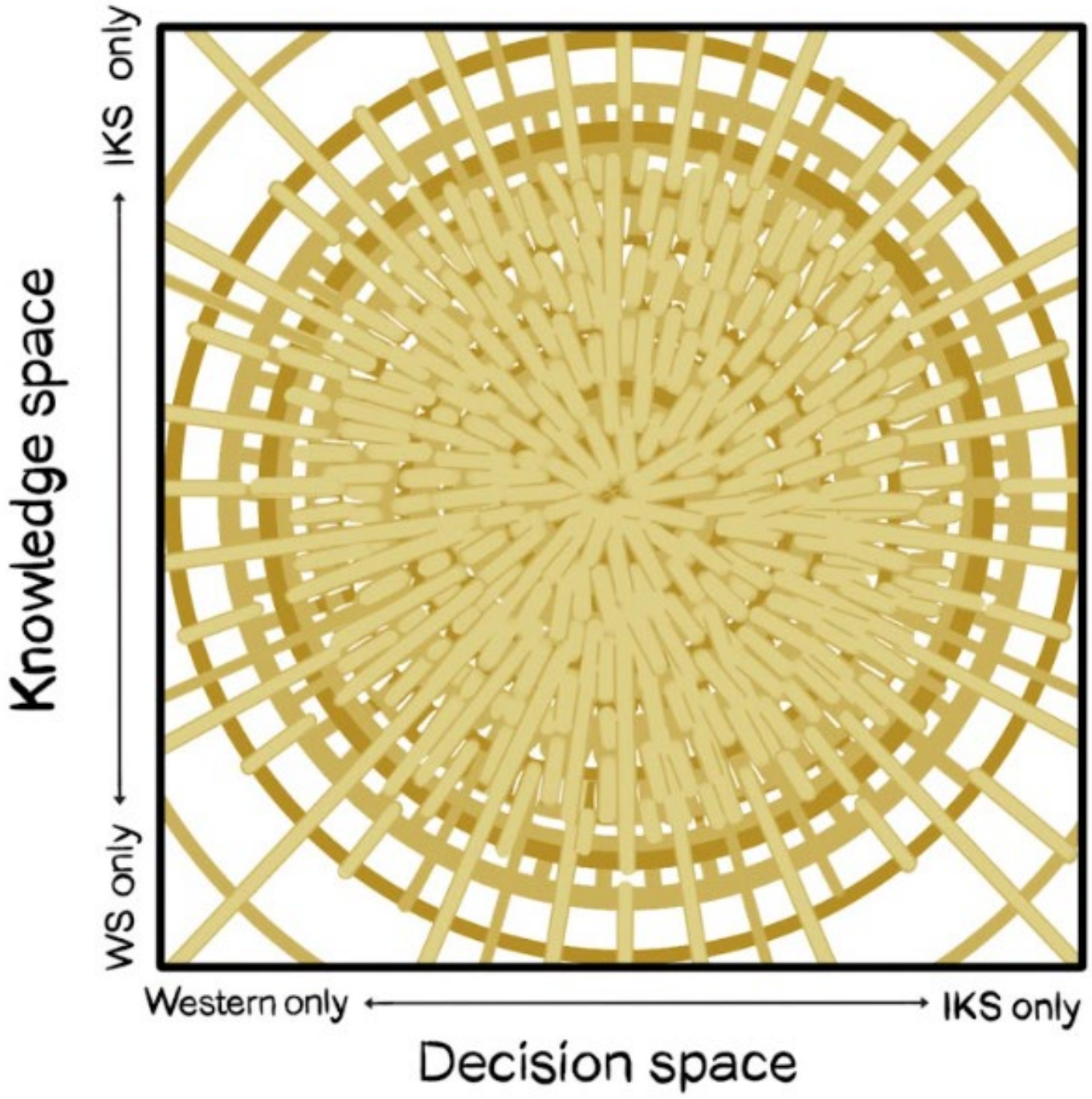
ORIGINAL ARTICLE

FISH and FISHERIES WILEY

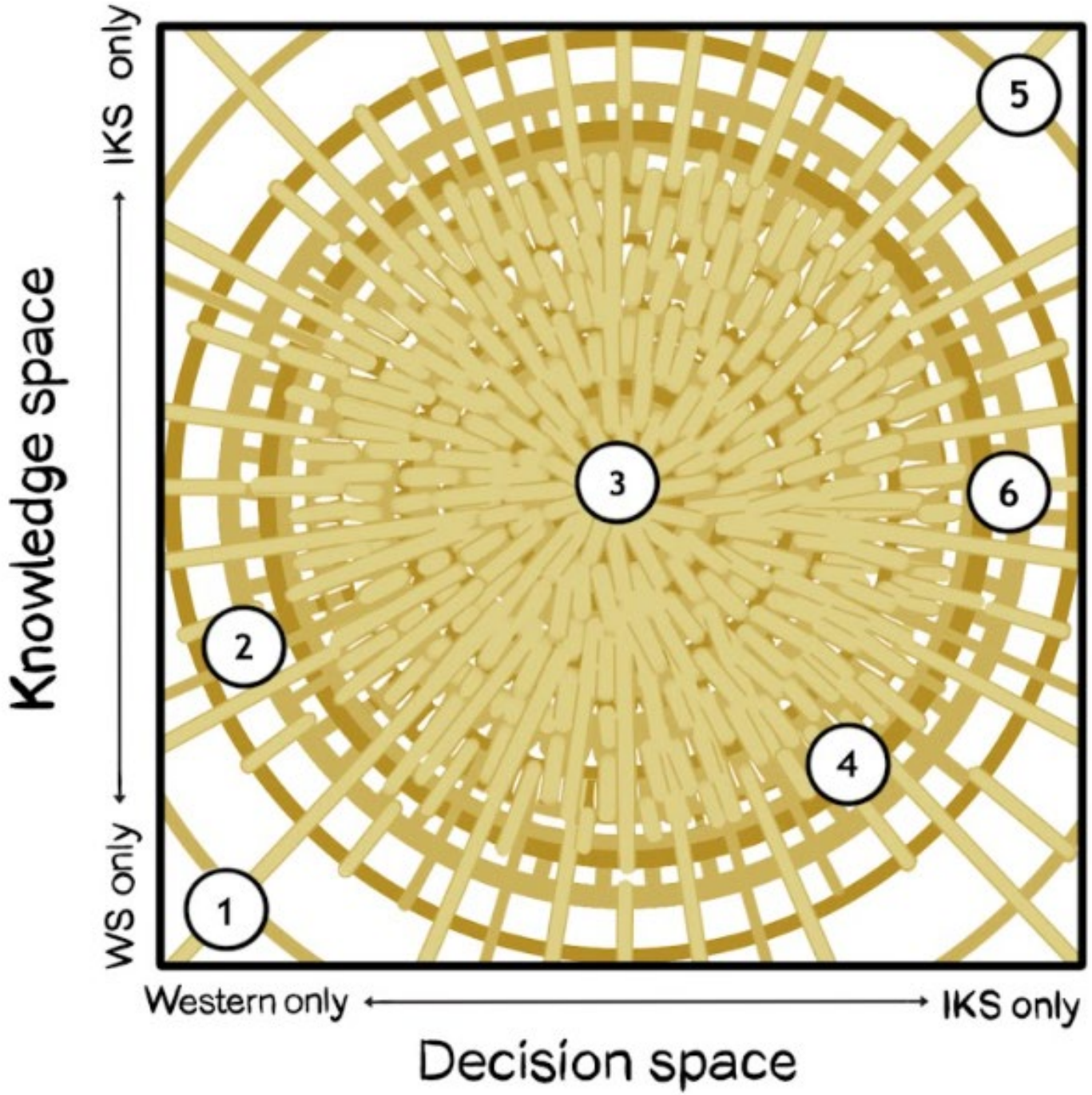
"Two-Eyed Seeing": An Indigenous framework to transform fisheries research and management

Andrea J. Reid[1,2] | Lauren E. Eckert[3,4] | John-Francis Lane[1] | Nathan Young[5] | Scott G. Hinch[2] | Chris T. Darimont[3,4] | Steven J. Cooke[1] | Natalie C. Ban[6] | Albert Marshall[7]


Decision space
Knowledge space
Singular
WS
Assimilated
WS
IKS
Mutual
WS
IKS


Knowledge space
IKS only
WS only
Western only
IKS only
Decision space

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Western only
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Decision space
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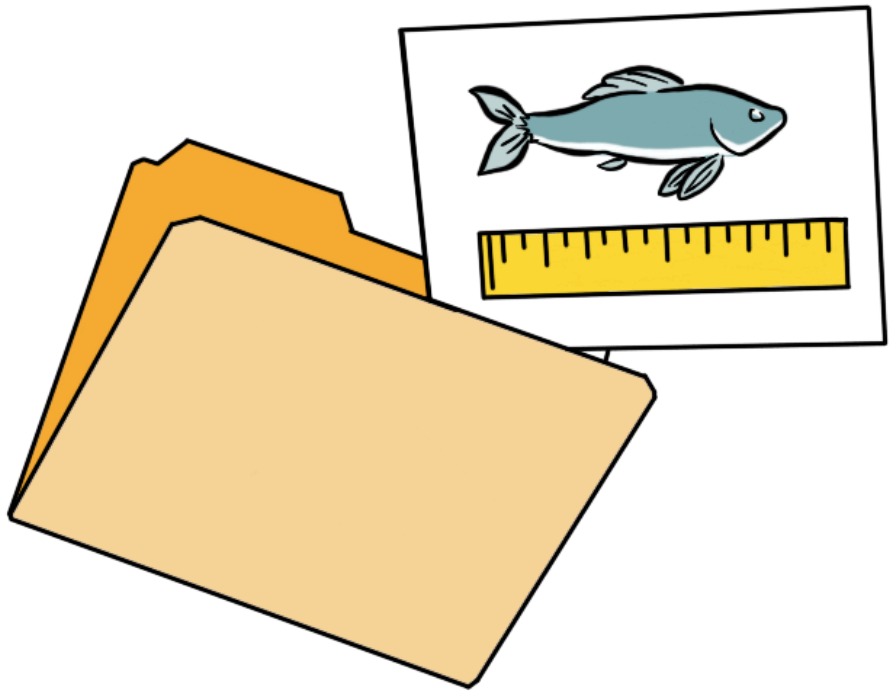

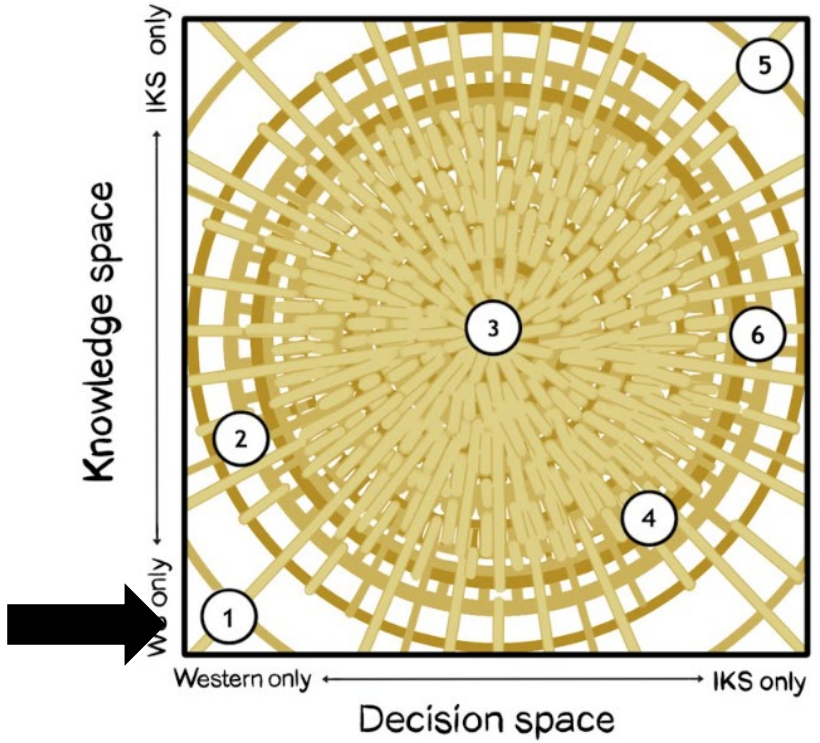
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Knowledge space
Western only
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Western only
IKS only
Decision space

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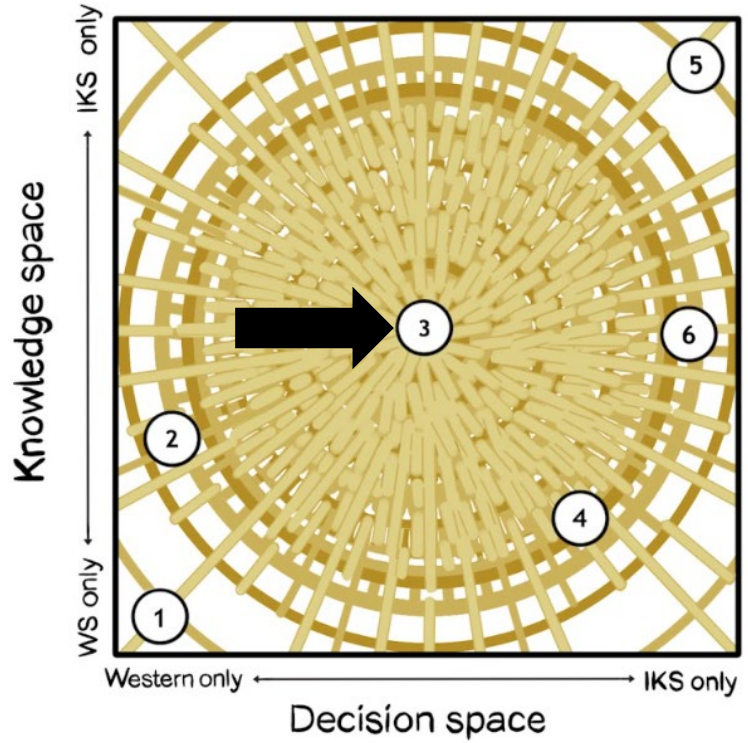
Knowledge space
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Decision space
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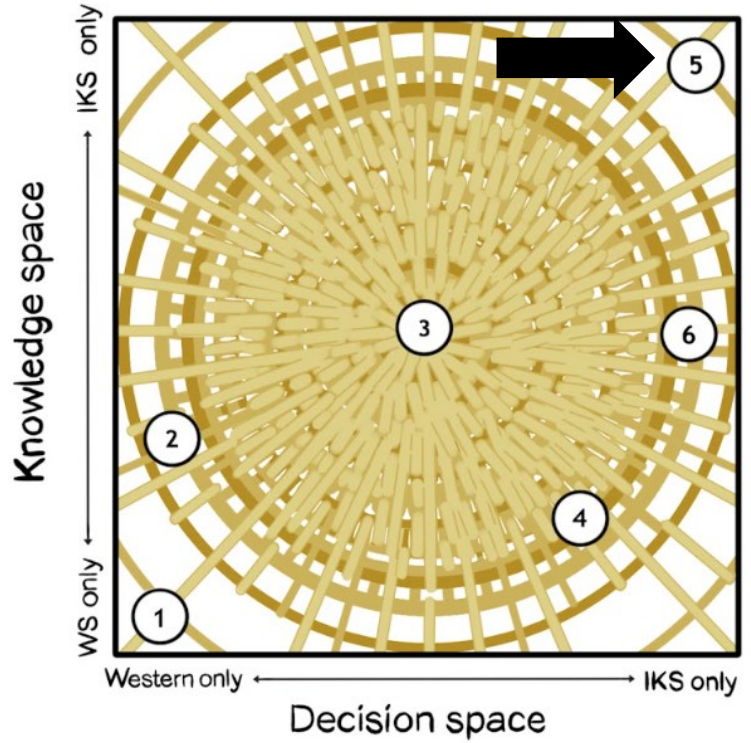
IKS only
Knowledge space
WS only
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Western only
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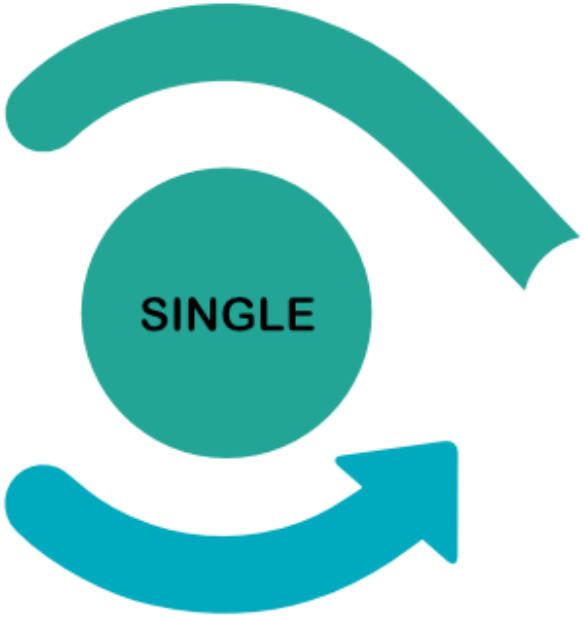
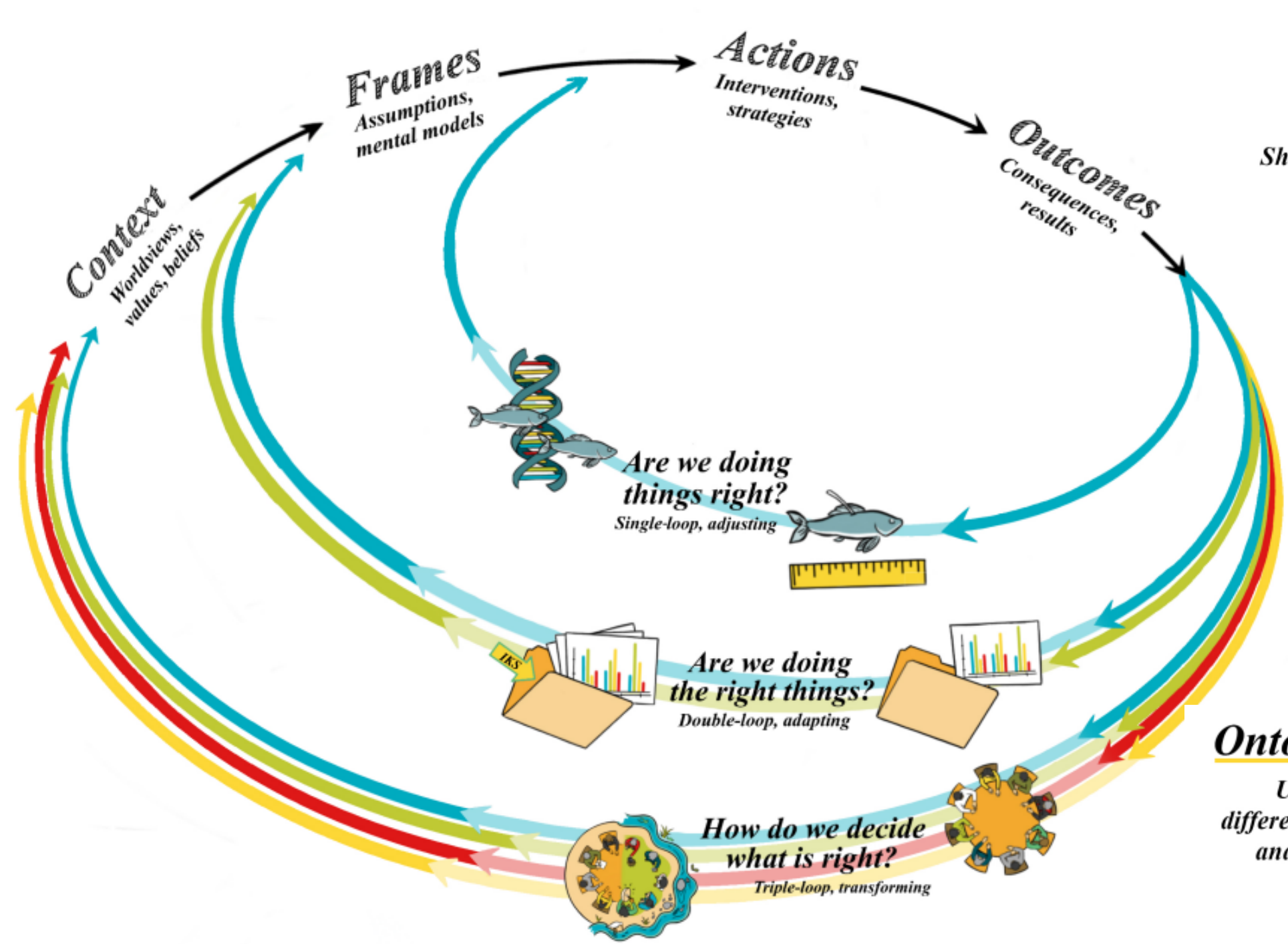
Decision space

Learning theory

Are we doing things right?

Think/act within the individual and institutional frame. What are we doing? How are we doing? Simple learning from actions.





Methodologies

Shifting methodologies, the purpose and process of the research.

Epistemologies

Recognizing and questioning different epistemologies, the theory of knowledge and its validity.

Ontologies and axiologies

Understanding and appreciating different ontologies, the nature of realities, and axiologies, the nature of values.





Thank you!

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Questions, thoughts, ideas?

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Discussion

In **small groups**, introduce yourselves and go through the discussion questions. Make sure everyone gets a chance to speak.

Report back briefly some key points that emerged during your discussion.

Discussion questions

Past or current: How have you engaged with Indigenous Knowledge Systems (IKS) and Western Science (WS)? Where on this figure have you engaged? Share your experience.

Future: Where would you like to engage in the future and why? Do you think your collaborators would agree? What are next steps for working together?

Optional feedback: Is this figure useful in talking about these ideas? What would you change?