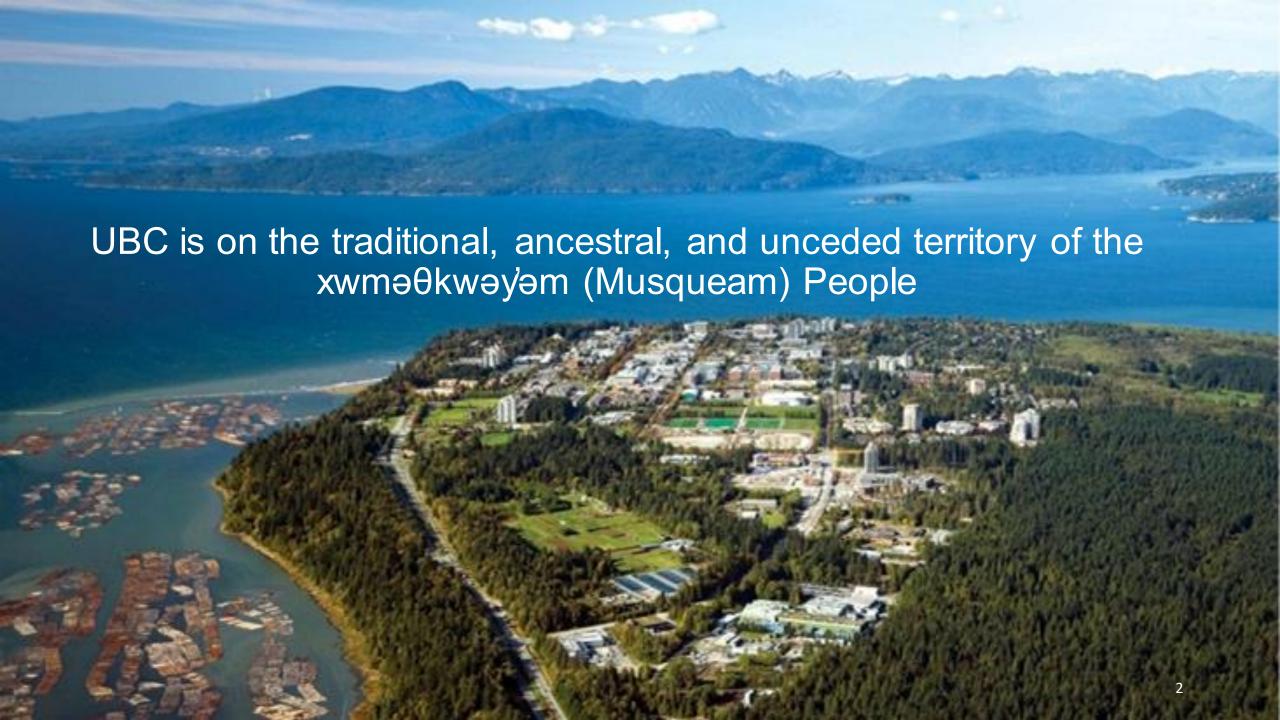


Conditions to
Cultivate Transdisciplinarity

Naoko Ellis & Derek Gladwin UBC



- Environmental & Sustainability Education
- Systems perspectives & complexity

Derek & Naoko

How do we cultivate the conditions to hold space for multiple perspectives, uncertainty, and complexity?



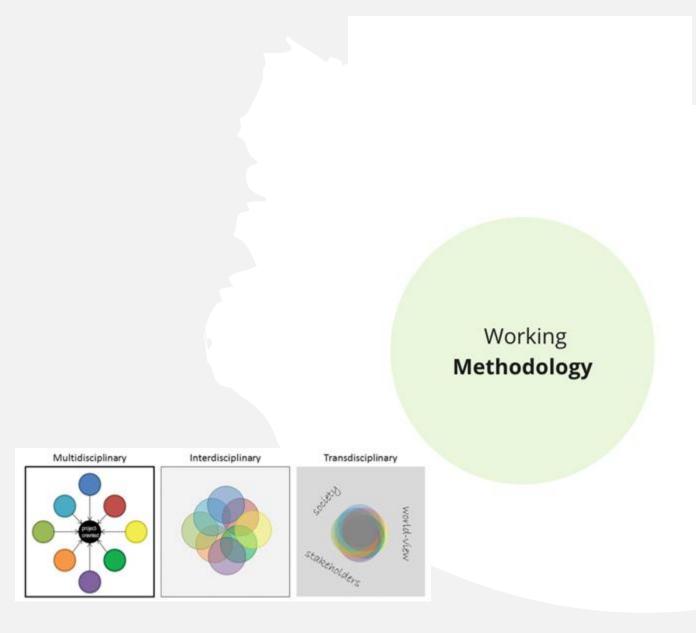
- Chemical Engineering
- Energy transition
- Leadership



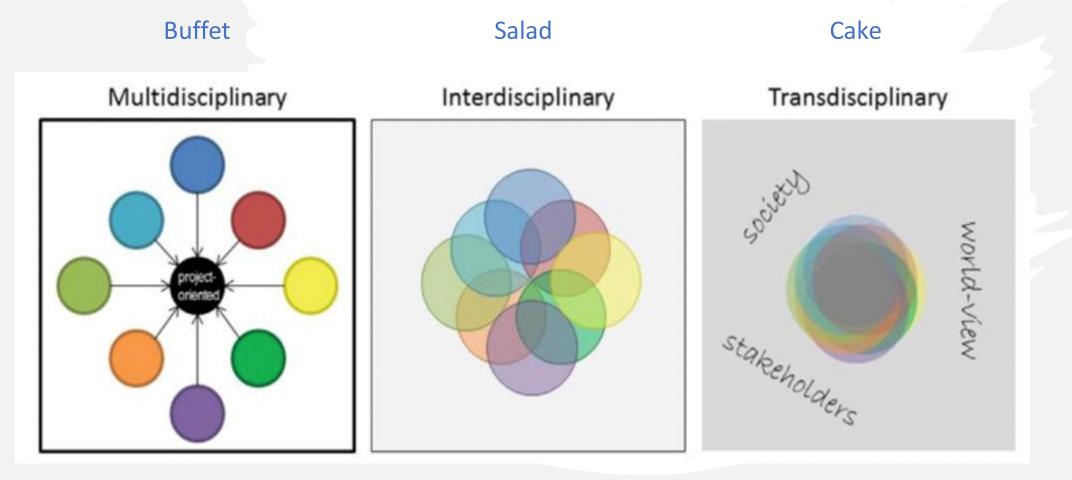
What is Transdisciplinarity?

- Transdisciplinary (TD) research
 often includes various disciplines dissolving
 into one another to create new forms
 of knowledge, adaptive, and
 collaborative team learning, and a
 cooperation between academia and society.
- TD employs integrating theory by adopting a working methodology when engaging stakeholders.

Ramachandran et al., (2022) Transdisciplinary and interdisciplinary programmes for collaborative graduate research training, *Educational Review*.



https://imaqpress.com/2678/differentiation-between-interdisciplinary-and-transdisciplinary-concepts/

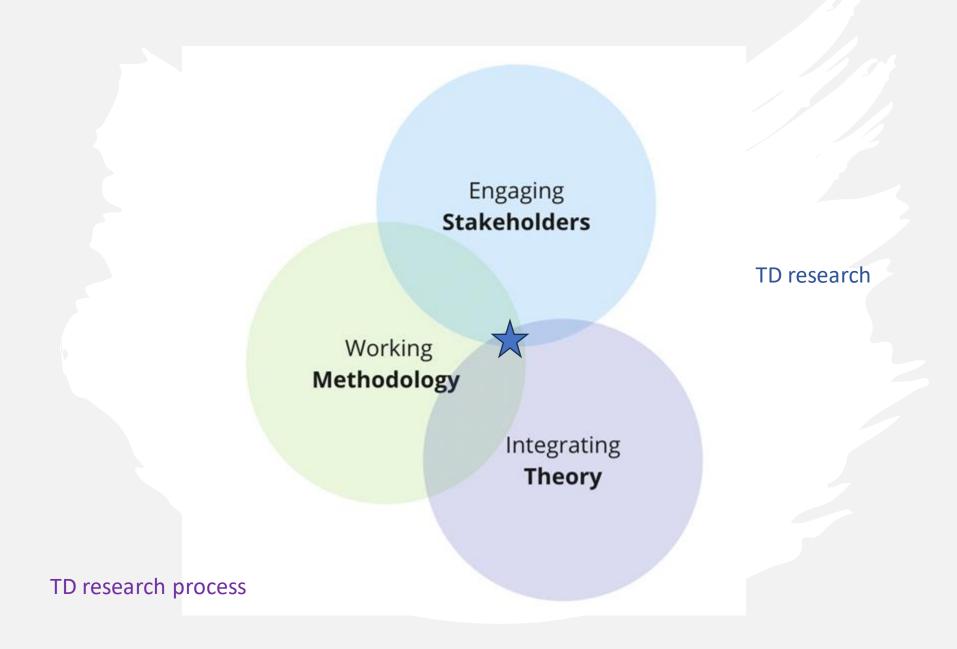


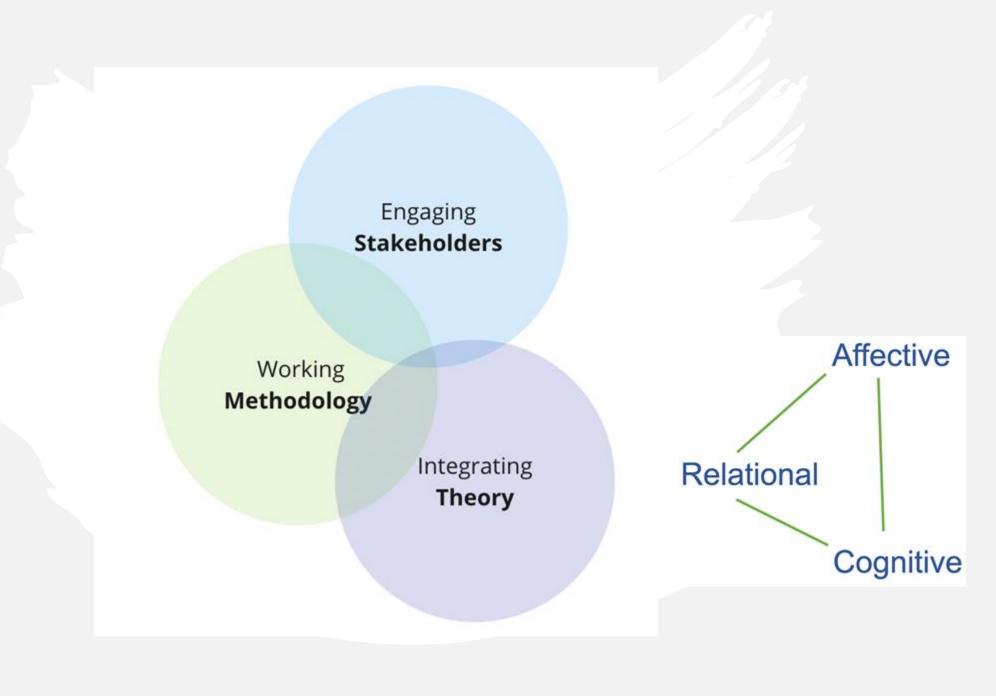
https://imaqpress.com/2678/differentiation-between-interdisciplinary-and-transdisciplinary-concepts/

TD tool kits & field guides

Engaging **Stakeholders**

Working **Methodology**





ARC Framework:

developing ways of knowing (epistemologies) and being (ontologies)

Relational

co-creating, collaborating, de-centering the *self* (i.e., interconnected knowledge)

Affective

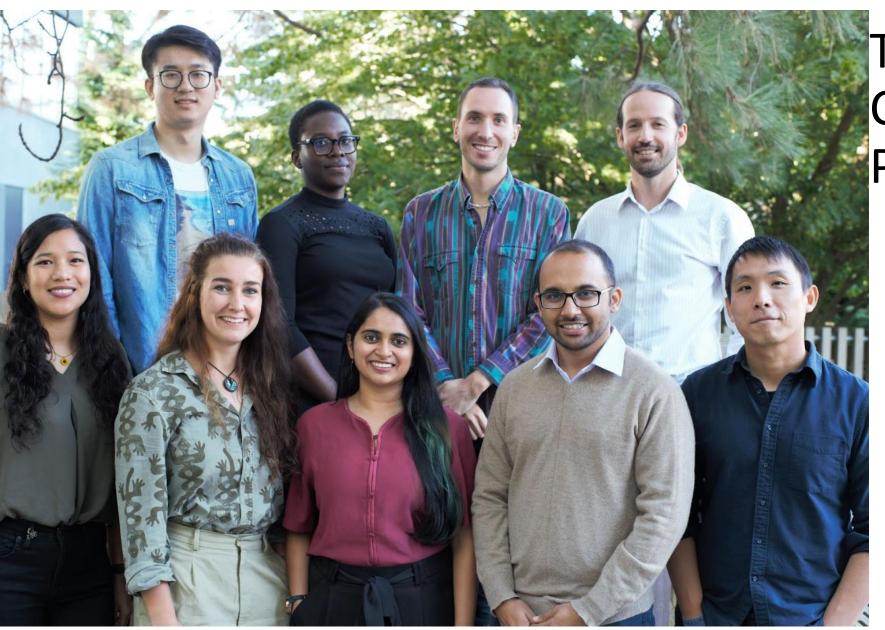
feelings, bodies, and sensations

(i.e., embodied knowledge)

Cognitive

thinking, memory, rationality, experience, etc.

(i.e., intellectual knowledge)



Transdisciplinary Collaborative PhD Pilot @ UBC

Worked with 9 PhD students and 9 faculty members for one year





Stefon Harris: There are no mistakes on the bandstand

On the Bandstand



- Improvisation
- Adaptation
- Listening
- Feeling
- There is no "wrong" note

What were some bandstand moments for you?





Vancouver Campus

Systems Beings Lab

Home

Team

Research

Resources

Contact



Who we are

Systems Beings Lab (SBL) is a collaborative research collective to facilitate and elevate various approaches to grapple with complexity. We bring process-oriented approaches to foster non-linear dynamics of un/learning, and allow space and time to explore the messes of paradoxes, contradictions, and multiples perspectives.



Come join us!

- New cohort for transdisciplinary collaborative PhD recruitment:
 - Energy transition working with communities
 - Fall 2025
 - Cohort based PhD education

Further Reading

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