

Grand Expressions: Why people matter

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Context

- **Goal:** propose a monitoring framework considerate of cumulative effects that is co-created by diverse stakeholders and rightsholders (Indigenous), which connects monitoring to management.
- **Questions**
 - Whose values matter for determining what we monitor?
 - How do we ensure diverse values are considered?

Why does diversity matter?

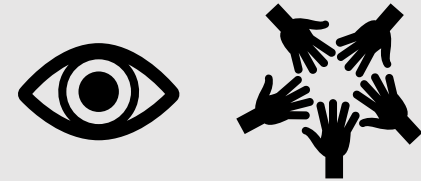


Complex and recurring challenges:
different approaches, knowledge needed



Communities are diversifying:
management must evolve to meet
changing priorities and unique needs

Collaboration:
shared risk, costs,
and benefits



Accountability: fulfill
commitments re:
reconciliation, equity

...how might we consider diversity in water monitoring and management?

Criteria-based ranking for indicator selection

[Link to journal publication](#)

- Usable (reporting)
- Quantifiable
- Can be managed (x2)
- Threats
- Personal priority

Online | 10-13 November 2020

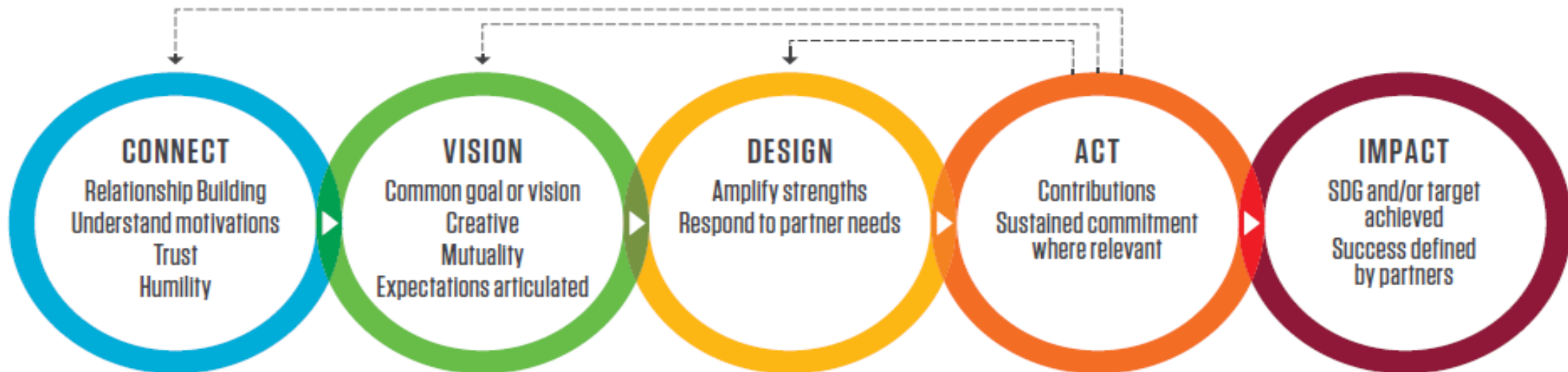
Criteria	Indicator*					
	Secchi Depth	Algae	Calcium	Land Use	Wetland cover	Footprint (new)
I would include this indicator, by this or other name, in the Report Card (e.g. not just in the Background Report)	17	31	23	33	32	27
This indicator is measurable given reasonably expected resources (tools, people, funds, time...)	33	22	25	30	25	20
We have control over changes to this indicator	18	20	18	27	24	23
We have effective mechanisms for correcting CURRENT unwanted changes to this indicator	16	19	16	25	19	20
We have effective mechanisms for correcting FUTURE unwanted changes to this indicator	20	21	17	27	21	20
Unwanted changes to this indicator would result in serious impacts (directly or indirectly) on ecological and human systems.	22	31	27	31	28	30
This indicator is important to me	24	31	25	34	31	28
Total Score	150	175	151	207	180	168
Rank – short-listed?	6 – No	3 – Yes	5 – Yes	1 – Yes	2 – Yes	4 – Yes

DETERMINE INTENT



PARTNERSHIP BUILDING & ENABLING CONDITIONS

ITERATIONS



OUTCOMES



AWARENESS
& EDUCATION

IMPLEMENTATION

FINANCING

CHAMPIONS
& MODELING

MEASUREMENT
& EVALUATION

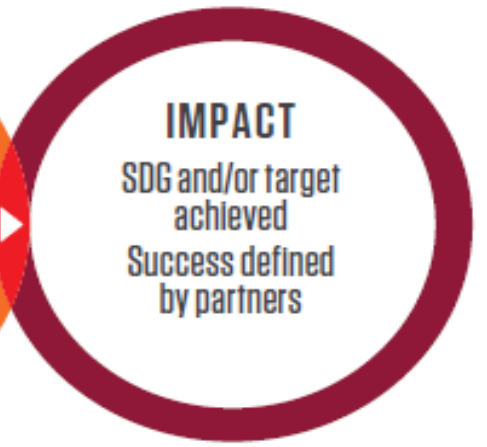
BLUEPRINT

DETERMINE INTENT

PARTNERSHIP BUILDING & ENABLING CONDITI

Generation^{SDG}

EMPOWERING CANADIANS THROUGH SUSTAINABLE DEVELOPMENT



AWARENESS & EDUCATION

IMPLE

NOVEMBER 2018

Elaine Ho
Jeremy Runnalls

NS & MODELING

MEASUREMENT & EVALUATION

Link to full publication

Contact Elaine for a draft manuscript applying the SDG framework to water management

How we incorporated diverse perspectives



[Link to initiative's website](#)

Grand Expressions
A Self-guided Tour

Water-themed creations by youth from
Six Nations of the Grand River

Organized in partnership between Elaine Ho (PhD Candidate, University of Waterloo) and Music for the Spirit & Indigenous Visual Arts, with support from our generous hosts

[Link to virtual tour](#)

GRAND EXPRESSIONS
A self-guided tour of the youths' traveling exhibit

Download the virtual tour

Messenger

The eagle spirit is a symbol of strength, wisdom, and protection. It is a messenger between the earth and the sky. The eagle was used to carry messages between the tribes. The eagle was also used to carry messages between the tribes and the Creator. The eagle was also used to carry messages between the tribes and the Creator. The eagle was also used to carry messages between the tribes and the Creator.

Series: Grand River Chemical Spills

Years ago and you had to take chemical spills in your hands, getting them off your hands and into the water. Now you have the ability to clean up and the ability to prevent the spills from happening.

Plastic Waste Crisis

Plastic waste is a global problem. It is everywhere. It is in the ocean, on the streets, and in the landfills. It is a problem that we need to solve. We need to stop using plastic and we need to recycle what we do use.



Grand Expressions Virtual Exhibit featured at THEMUSEUM

Elaine Ho, PhD Student with the Lake Futures project, is having her Grand Expressions virtual art exhibit featured at THEMUSEUM as part of the ALARM Exhibition. Grand Expressions is a collaboration with Six Nations youth to inform water managers in a culturally relevant way.

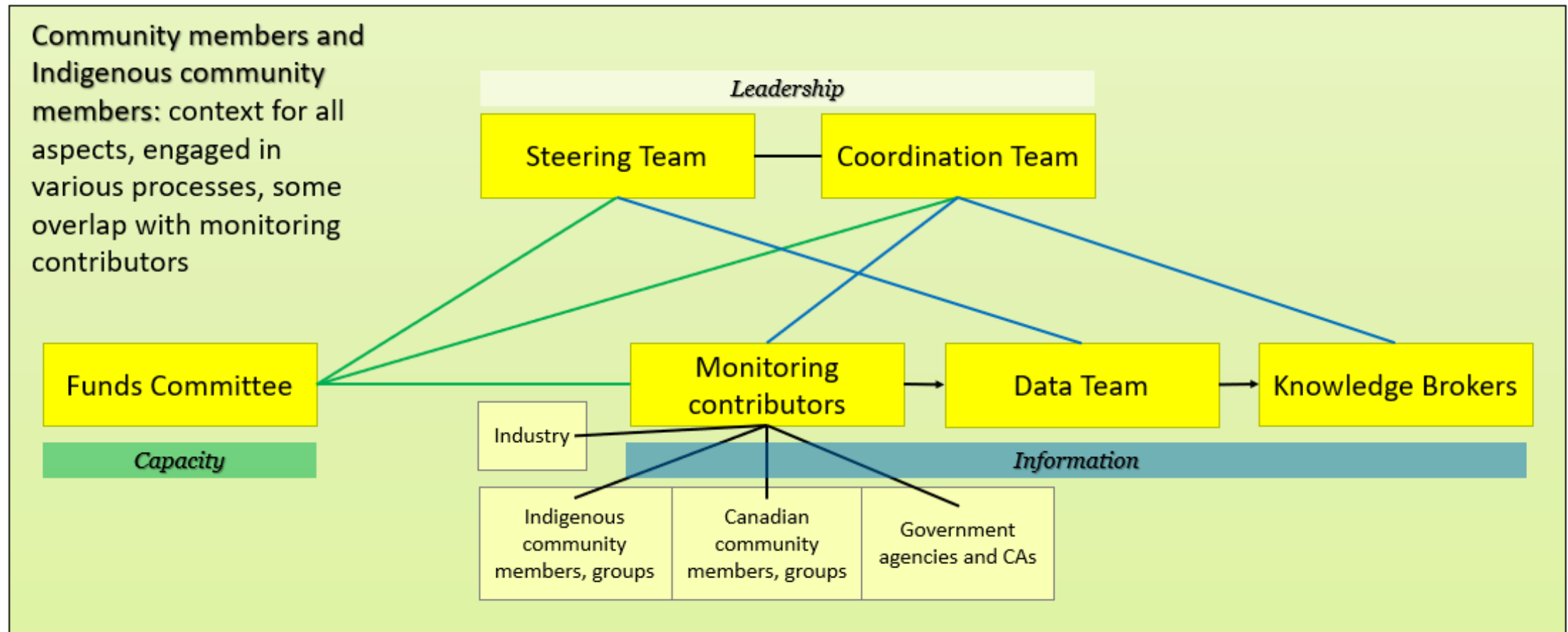


[Link to museum](#)

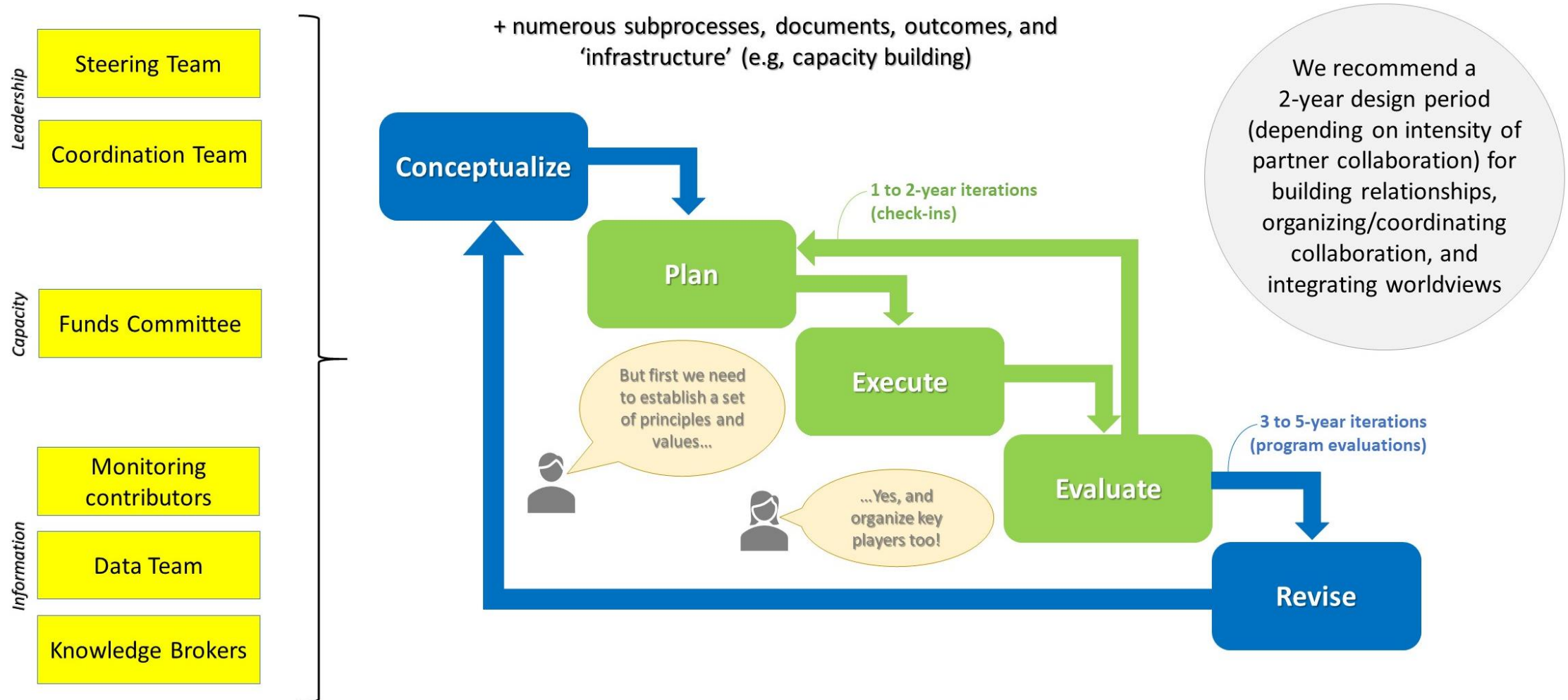
Principles and values (summarized)

1. Water is essential and finite
2. Impacts are unequally distributed
3. What we put into the watershed returns to us in one form or another
4. Manage water as grateful stewards
5. People are inextricably embedded within (not external to) ecological issues
6. Openly acknowledge histories and strive to reconcile
7. Open, transparent communication and data sharing
8. Iterative, adaptive processes do not fail; they improve
9. Monitoring can empower management when designed for this purpose
10. Partnerships and collaboration are the foundation of program implementation

The draft framework (personnel)



The draft framework (process)



Challenges and lessons learned

- Ethical dilemmas – whose ethics?
- Historic relationships impeding current ones
- Too many assumptions made (we don't always know as much as we think we do)
- Co-create shared spaces, also incorporate co-solutions

Thank you!

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