

Keeping Up With Wildlife CBM

Developing environmental community-based monitoring (CBM) through collaborative research and two-way capacity sharing

CBM trends in Inuit Nunangat

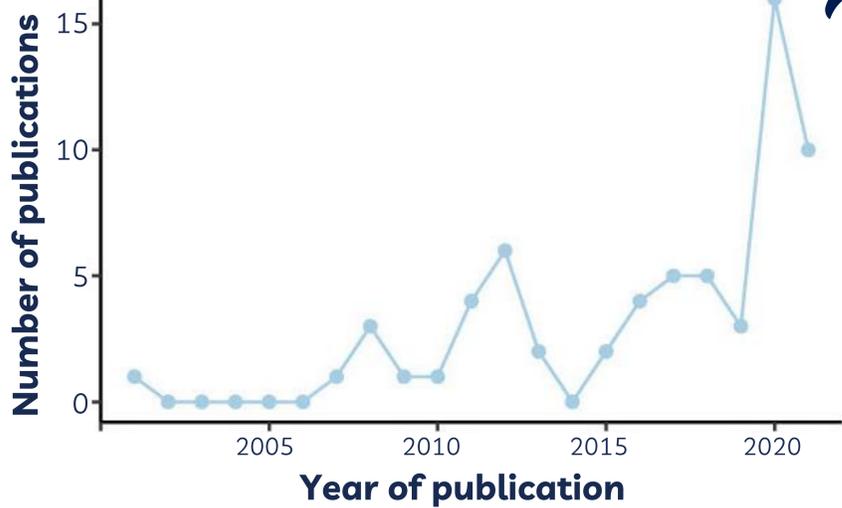


Fig.1. The number of peer-reviewed publications focusing on CBM in Inuit Nunangat over time.

75% of publications were reviews, highlighting the need for more case studies to learn from.

Changes in community engagement

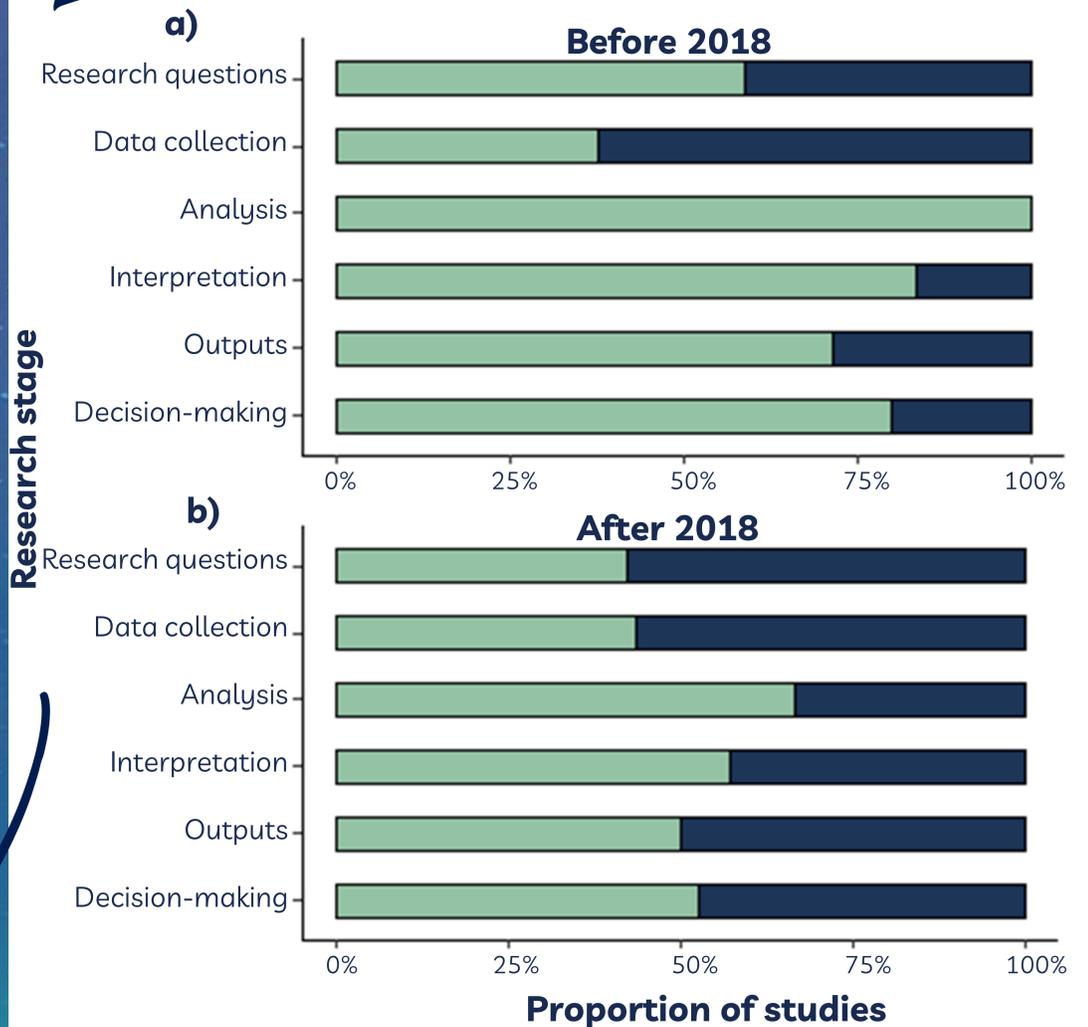


Fig.2. Proportion of publications that report community and external group involvement at different stages of the research process published a) before 2018 and b) during 2018 and onwards.

The year 2018 was chosen to correspond with the release of the **ITK NISR** priority areas. This may suggest that the NISR has **increased** community engagement in research.

Learning from wildlife CBM

Wildlife

- Long-term monitoring
- Sustained funding
- Community networks
- Strong partnerships with HTC/HTOs
- Priority alignment
- Ties in with subsistence activities

Environmental

- Short-term monitoring
- Short-term funding
- Issues with translating data to decision-making
- Limited partnerships
- Difficult to align monitoring priorities

From guidance to practice

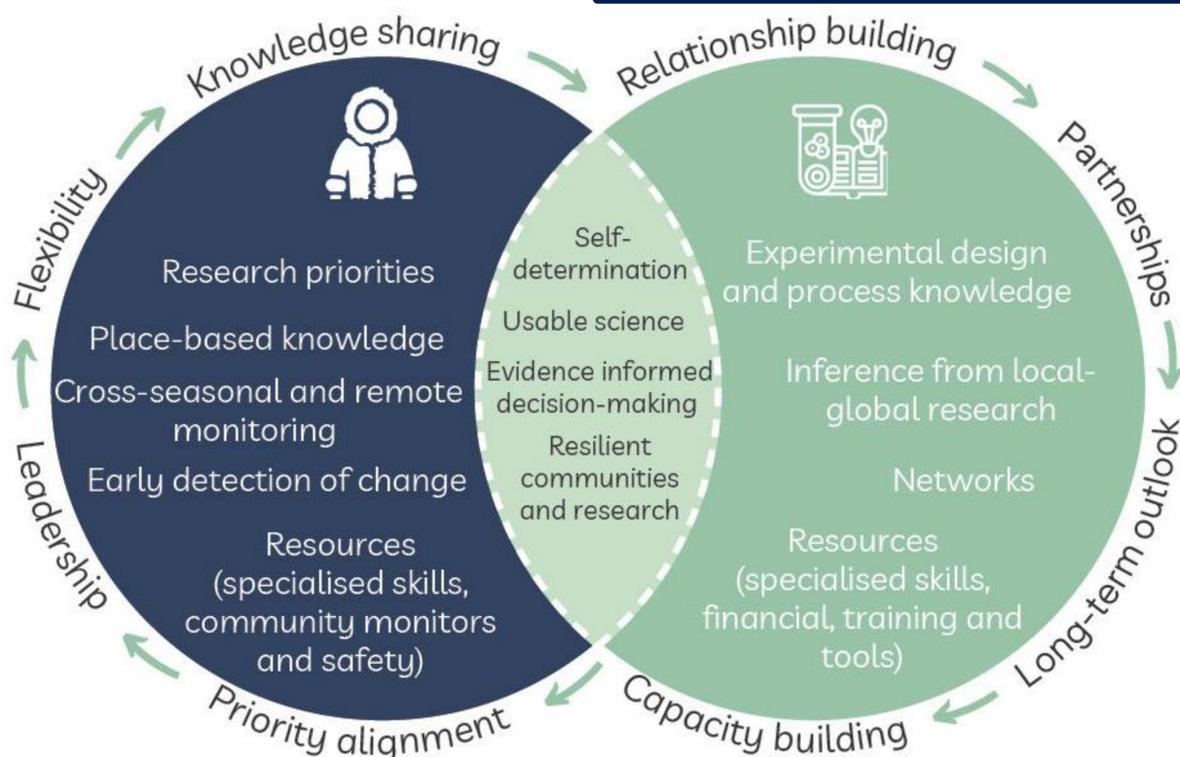


Fig.3. Framework to develop environmental CBM through collaborative research and two-way capacity sharing.

- Inuit Knowledge Systems
- Equitable outcomes
- Scientific Knowledge Systems

Recommendations from case studies and approaches including **SciQ** and **Two-Eyed Seeing** informed the development of this framework (**Fig.3**). Inuit Knowledge and science can be combined to increase meaningful engagement and draw environmental monitoring benefits for both communities and scientific researchers.

Next steps

The framework (**Fig.3**) will be adapted to the resource requirements, place-based knowledge and research priorities of different communities in Inuit Nunangat. The **goal** of my PhD is to co-develop community-based environmental monitoring that community members can sustain and use to take actionable steps towards community resiliency and adaptation efforts.

References



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