Community-Based Environmental Monitoring through an Indigenous Guardians framework

Mary Hostetter
Bill Kane
What is CBM?

“A process of routinely observing environmental or social phenomena, or both, that is led and undertaken by community members...”

—Johnson et al. 2015
Benefits of CBM

Researchers have documented the impacts of guardian programs; they can reduce incarceration and increase health and well-being. People’s health improves on the land because they’re on the land, because they’re physically active, and because they’re happy. And guardians gain increased skills, higher income, and pride in cultural knowledge. […] I believe that Indigenous programs could do more for healing from the impacts of colonialism than any other individual program.

—Valérie Courtois | Indigenous Leadership Initiative
• Data Collection Apps
• ISN Database
• Communication Tools
• Training Materials
Why CBM in Bristol Bay?

“Bristol Bay [...] is home to one of the world’s last great wild salmon ecosystems, the largest sockeye salmon fishery in the world, and some of the world’s last, intact, sustainable salmon-based cultures.”

— UTBB 2023

“The challenges of our time call for greater, more effective collaboration. Environmental change is occurring rapidly. There is an urgency to the situation, a climate crisis. This makes the community-based monitoring and documentation of Indigenous and local knowledge more important than ever.”

— Fidel et al. 2017
Integrate program into schools

Develop sustainable funding strategy

Secure funding for Lakes Region

Implement CBM in Lakes Region

Secure funding for Bristol Bay Region

Implement in greater Bristol Bay Region

Address holistic priorities

Integrate program into schools

Develop sustainable funding strategy
Funding

- Federal Programs
- Private Philanthropy
- Nonprofits
Join us!

Mary Hostetter
mary.hostetter@igiugig.gov

Bill Kane
bill.kane@igiugig.gov
References
Fidel, Maryann, Noor Johnson, Finn Danielsen, Haio Fieksen, Lisbeth Iversen, Olaivia Lee, and Colleen Strawhacker. 2017. INTAROS Community –Based Monitoring Experience Exchange Workshop Report. Fairbanks: Yukon River Inter–Tribal Watershed Council (YRTWC), University of Alaska Fairbanks, ELOKA, and INTAROS.

Media by Nathaniel Wilder and Bill Kane