

# Cross-Cultural Knowledge Exchange to Advance Collaborative Forest Stewardship:

Perspectives across Tribal Nations and State Agencies in Maine, USA

#### By:

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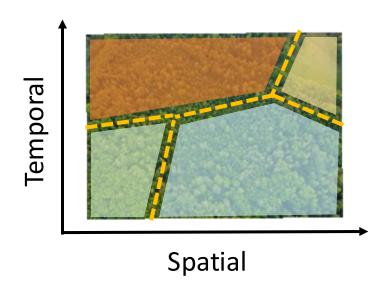
#### **Advisors:**

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# Background In a Nutshell

Forest systems





Why is this important? Tribal Nation Government to Government State Federal

## Present-Day Maine

# **Study Scope**

89% of Maine's landscape is forested



# **Study Scope**

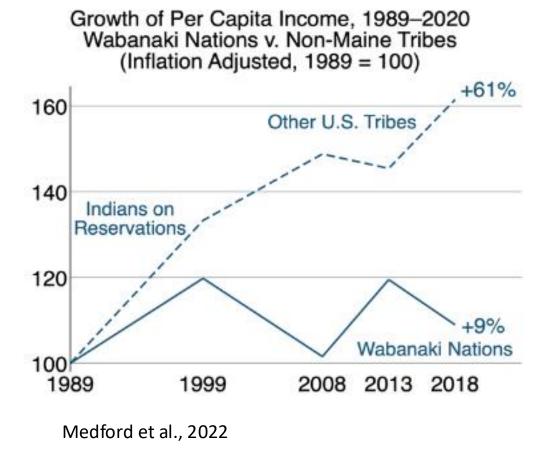
In Maine, ongoing challenges between state and Tribal Nations

Maine's Tribal-state relations is a national outlier:



The Maine Indian Land Claims
Settlement Act of 1980 (MICSA):

Limiting application of federal laws for Tribes "affecting" Maine state law



## **Research Goal**

Evaluate how forest stewards from state agencies and Tribal Nations in Maine:

 i. understand and value diverse knowledge systems and bridging of knowledge



ii. describe ongoing Tribal-state relations in the context of knowledge exchange, collaboration and forest stewardship





## Methods

#### **Qualitative Data Collection**

Interviews (22 participants total)

Interviews:

45-150 minutes

## 12 participants state agencies







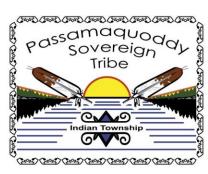
## 10 participants Wabanaki Confederacy











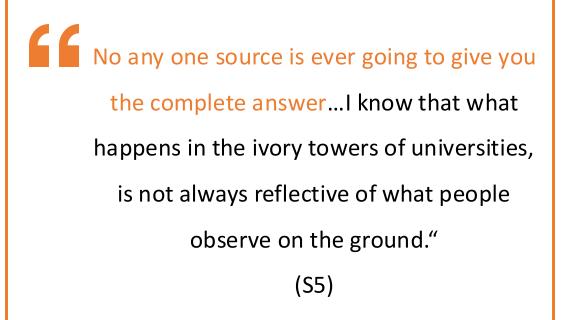
# **Diverse Knowledge Systems**

**State Agencies** 

Western scientific knowledge (SK) dominant

Diversity of perspectives → resiliency

Limited engagement with Indigenous knowledge (IK)





Avoid biased decision-making

Prioritize objectives

Improve transparency



# **Diverse Knowledge Systems**

**Tribal Nations** 

Collective and individual responsibility towards IK

Western science valued

Constant "straddling" of IK and western SK



Taking every perspective into account is

part of this job, I feel like I owe that [to] the

Tribe and our people. I think using the best

science available and also remembering

where we came from."

(T1)



Example:

Community set regulations on Tribal lands

### **Collaborative Governance**

State Agencies

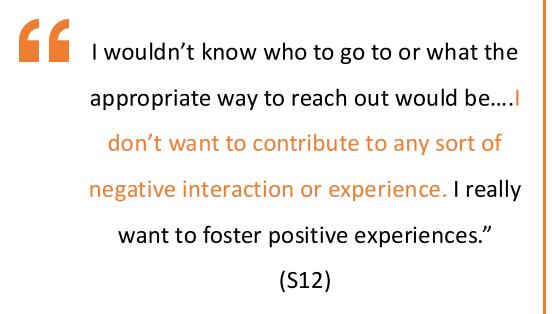
Expanding project-based partnerships

Constraints:

Fear exacerbating ongoing issues

Lack institutional guidance

Enhance co-development



#### Example:

Conservation culturally important species

Monitoring/response emerald ash borer

Expanding access for tribal harvesting



### **Collaborative Governance**

**Tribal Nations** 

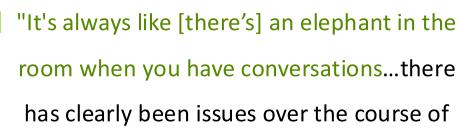
Maintain sustained relationships

Constraints:

Eroded trust in state government

Enhance "back and forth"

Lack of knowledge on Tribal affairs



history...but a lot of times the department staff at the state level have no idea that's

been the case or is still the case...I think it

should be a big point to educate state

workers about that."

(T5)

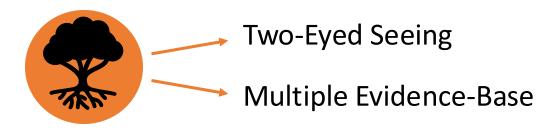


Example:

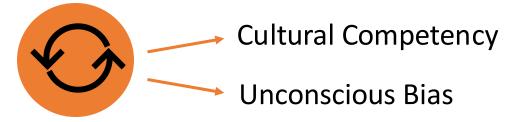
Forest pest monitoring

# **Key takeaways**

Paradigmatic differences between SK and IK



Knowledge exchange two-way process



Collaboration at outset



Inclusivity of diverse knowledge holders



# **Sustaining Ash Partners Network (SAP-Ne)**

Offer workshops and webinars



Establish a network of ash treatment demonstration areas



Develop a web hub of resources on ash





# **Sustaining Ash Partners Network (SAP-Ne)**

























Visit SAP-Ne's website!









## Research Acknowledgements

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All study participants

Committee:

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Dr. Rachel Schattman

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# **Thank You!**

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