Catskill Science Collaborative: A “bright spot” in the research-implementation gap

Ava Goodale
CSC Coordinator

Overview

- Inputs & Activities of the CSC
- Outputs
- Outcomes & Impacts

CSC Activities

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Researchers

Data Portal

CERM Conference

Events

Research Fellowships

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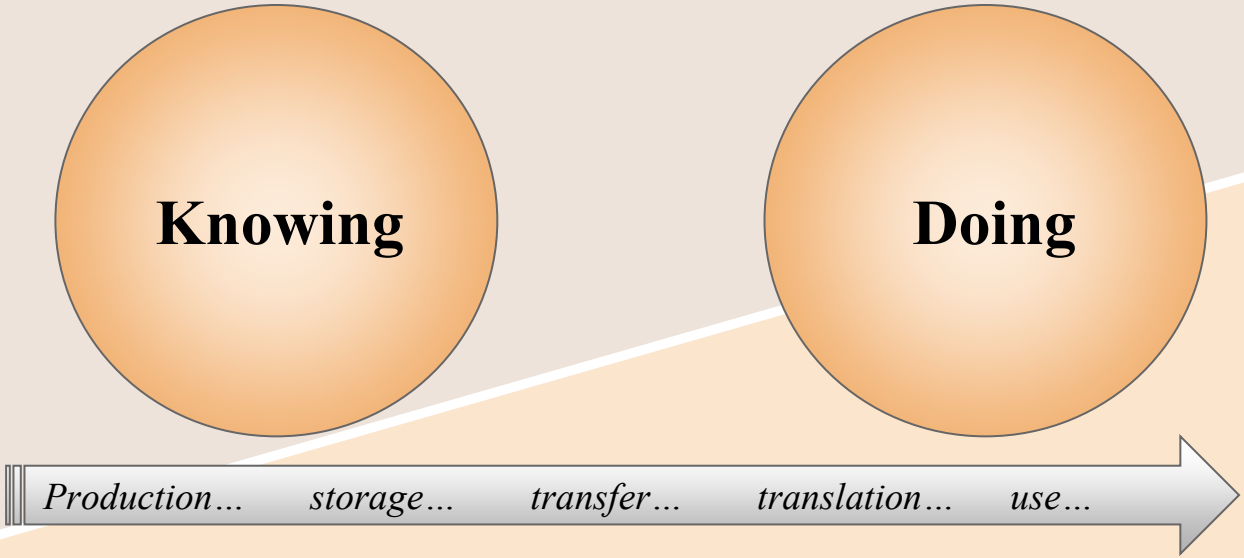
The Research-Implementation Gap



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Thought Exercise: Part 1

List barriers that guarantee research will <u>not</u> get applied in a management setting?

Recommendations

01	Foster two-way collaborations	• Co-design & co-production of knowledge
02	Create end-user value	• Knowledge production is mutually salient, credible and legitimate
03	Support bridging agents	• Students • Knowledge brokers • Transdisciplinary institutions
04	Increase accessibility	• Diversify communication forums • Increase data availability

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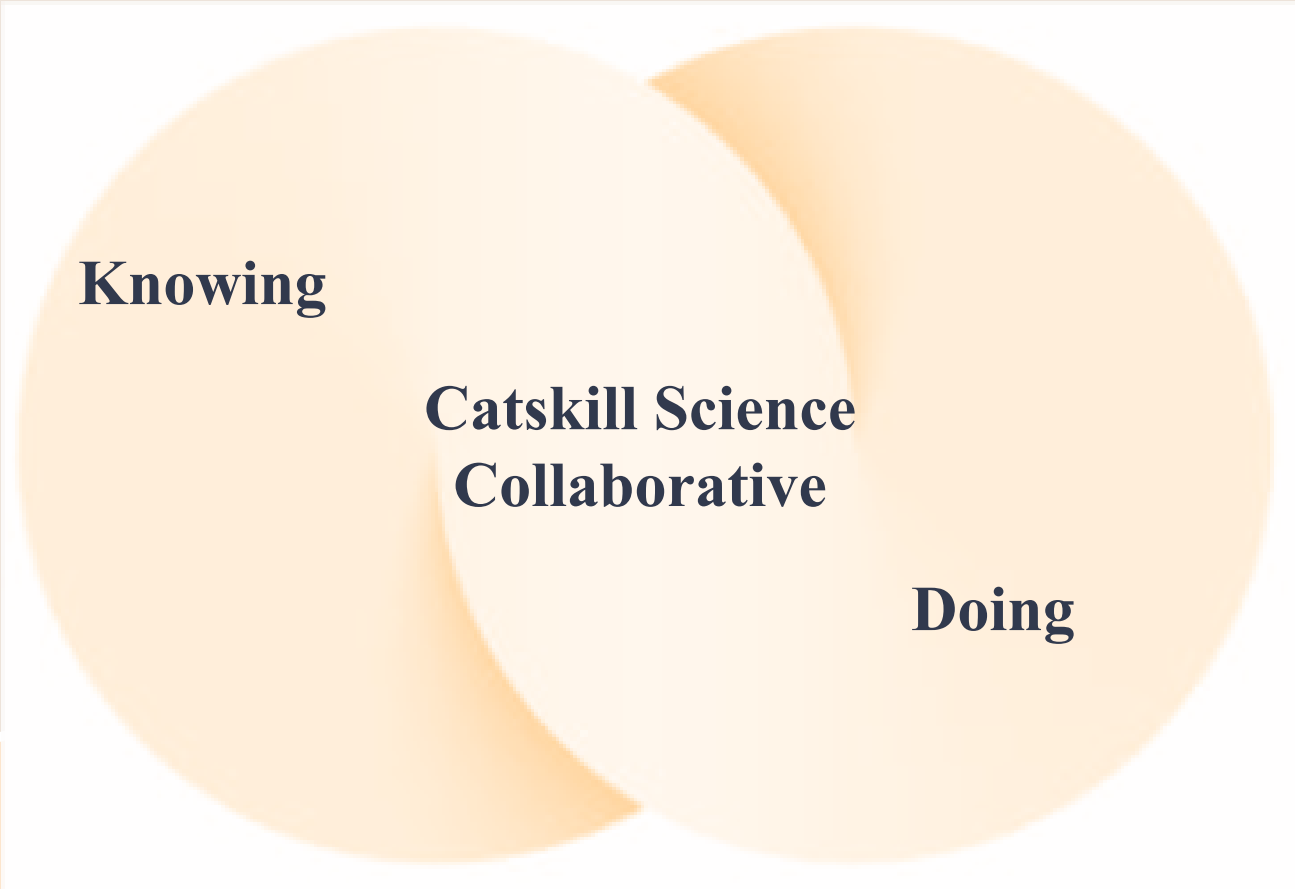

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Is it working?

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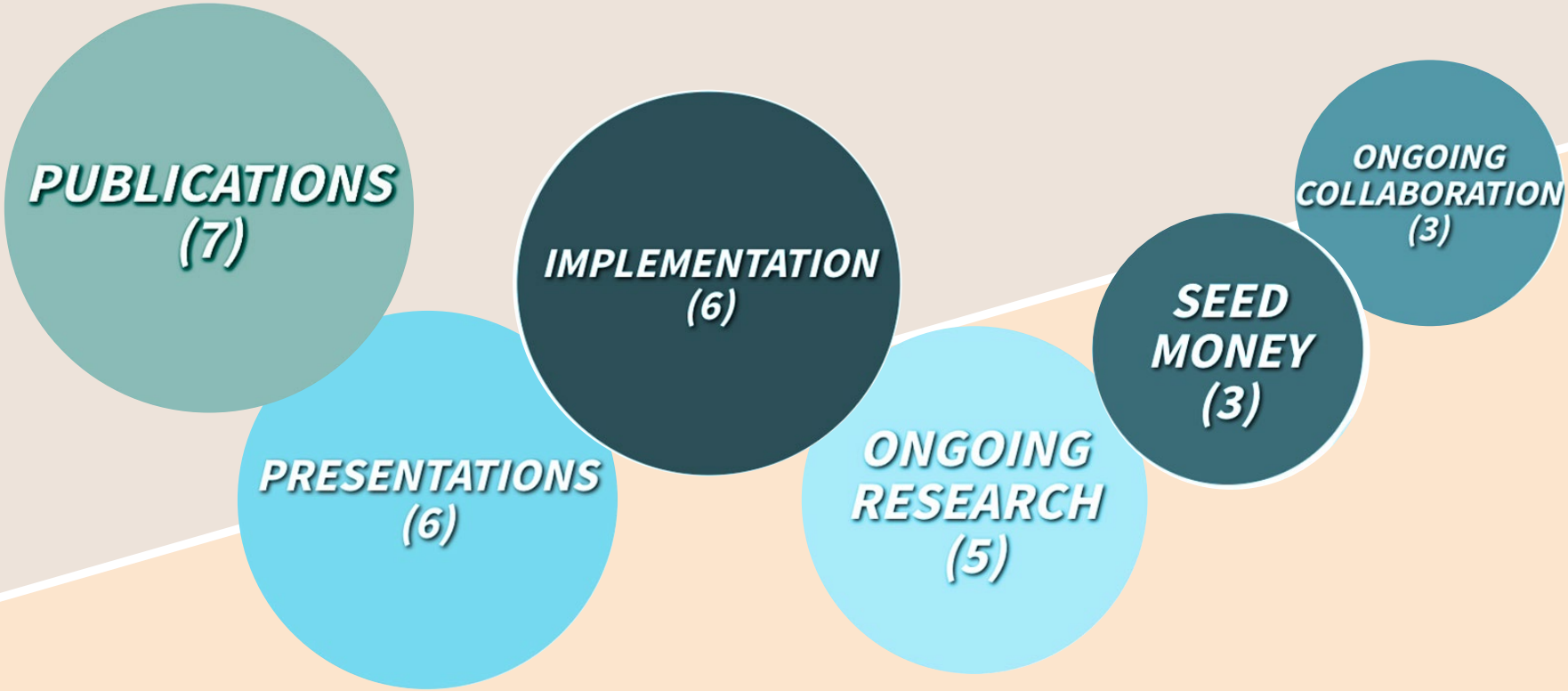
Fellowship Projects

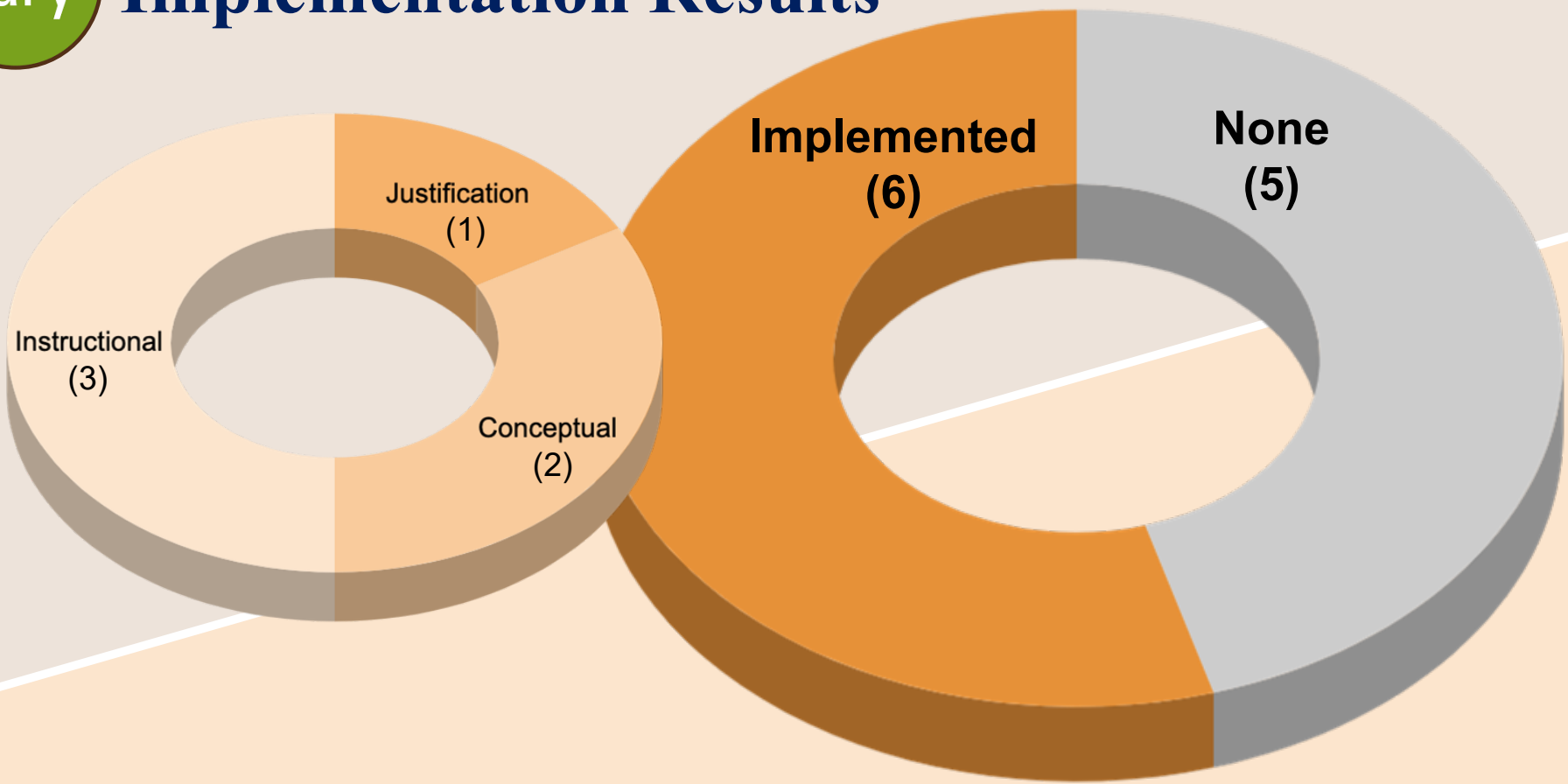
- 3 cohorts from 2019-2021
- 11 projects totalling nearly 40 participants
- Topics
  - invasive species
  - restoration projects
  - stakeholder engagement
  - human-wildlife interactions
  - habitat evaluation
  - recreational trail usage
- Exemplar Project Goals
  - Inform management decisions by identifying invasive species hotspots
  - Improving community engagement efforts
  - Evaluate hemlock health over time using remote sensing

Cary Fellowship Outputs



	Publications	Presentations	Ongoing Research	Ongoing Collaboration	Seed money	Implementation
Project 1						
Project 2						
Project 3						
Project 4						
Project 5						
Project 6						
Project 7						
Project 8						
Project 9						
Project 10						
Project 11						

Implementation Results



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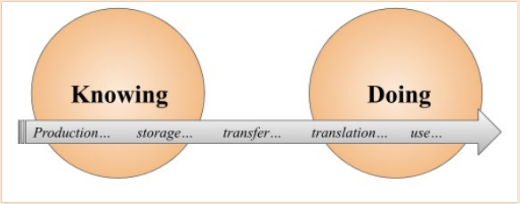
Inward Looking Outcomes

- Logic model

SITUATION

Conservation knowledge is not always effectively translated into conservation action, creating a disconnect between scientists and natural resource managers, known as the research-implementation gap or knowing-doing gap.



INPUT

-Team partnerships
-Researcher and manager expertise
-CSC staff
-Institutional support:
  -Grant funding
  -Information sharing

ACTIVITIES

-Interaction and communication between researchers and managers
-Data collection and analysis
-Collaborative agreement
-Identify managers' research needs
-CSC orientation and regular team meetings

OUTPUTS

11 completed projects, 37 stakeholders, across 20 different organizations
-10 internal reports and public presentations
-Post fellowship: 7 publications and 6 presentations
-Ongoing research and collaboration
-Securing additional funding
-Research applied in a management setting

OUTCOMES & IMPACT

-Increased knowledge exchange
-Created value for end-users
-Locus of knowledge exchange
-Increased data availability
-Evidence-based management
-Coalesce network
-Knowledge brokerage

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Inward Looking Outcomes

- Logic model
- Opportunities for growth
  - Further integrate social science
  - Team science
  - Reflection phase
  - Increase scale of fellowships

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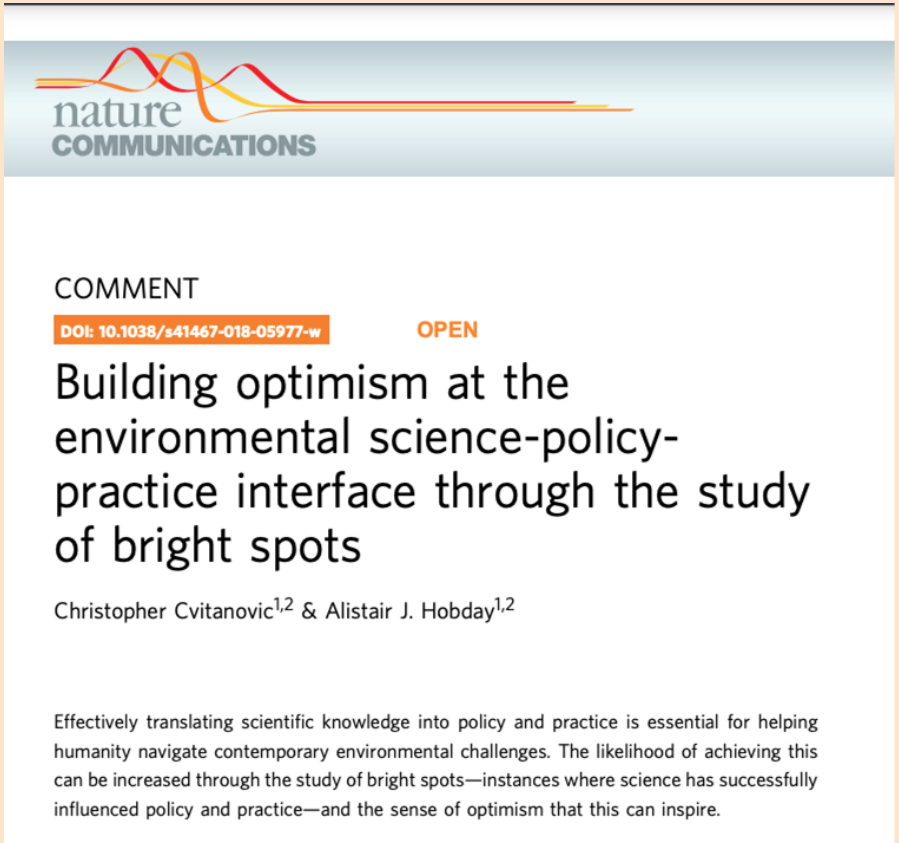
Outward Looking Outcomes



nature COMMUNICATIONS

COMMENT

DOI: 10.1038/s41467-018-05977-w OPEN

Building optimism at the environmental science-policy-practice interface through the study of bright spots

Christopher Cvitanovic[1,2] & Alistair J. Hobday[1,2]

Effectively translating scientific knowledge into policy and practice is essential for helping humanity navigate contemporary environmental challenges. The likelihood of achieving this can be increased through the study of bright spots—instances where science has successfully influenced policy and practice—and the sense of optimism that this can inspire.

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Thought Exercise: Part 2

Return to your list. Is there anything you're doing that in any way resembles this barrier?

Next steps: Consider the first steps that will help you reduce that barrier and connect research and management.

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Questions?