

Social Science Methods and Tools in Climate Adaptation

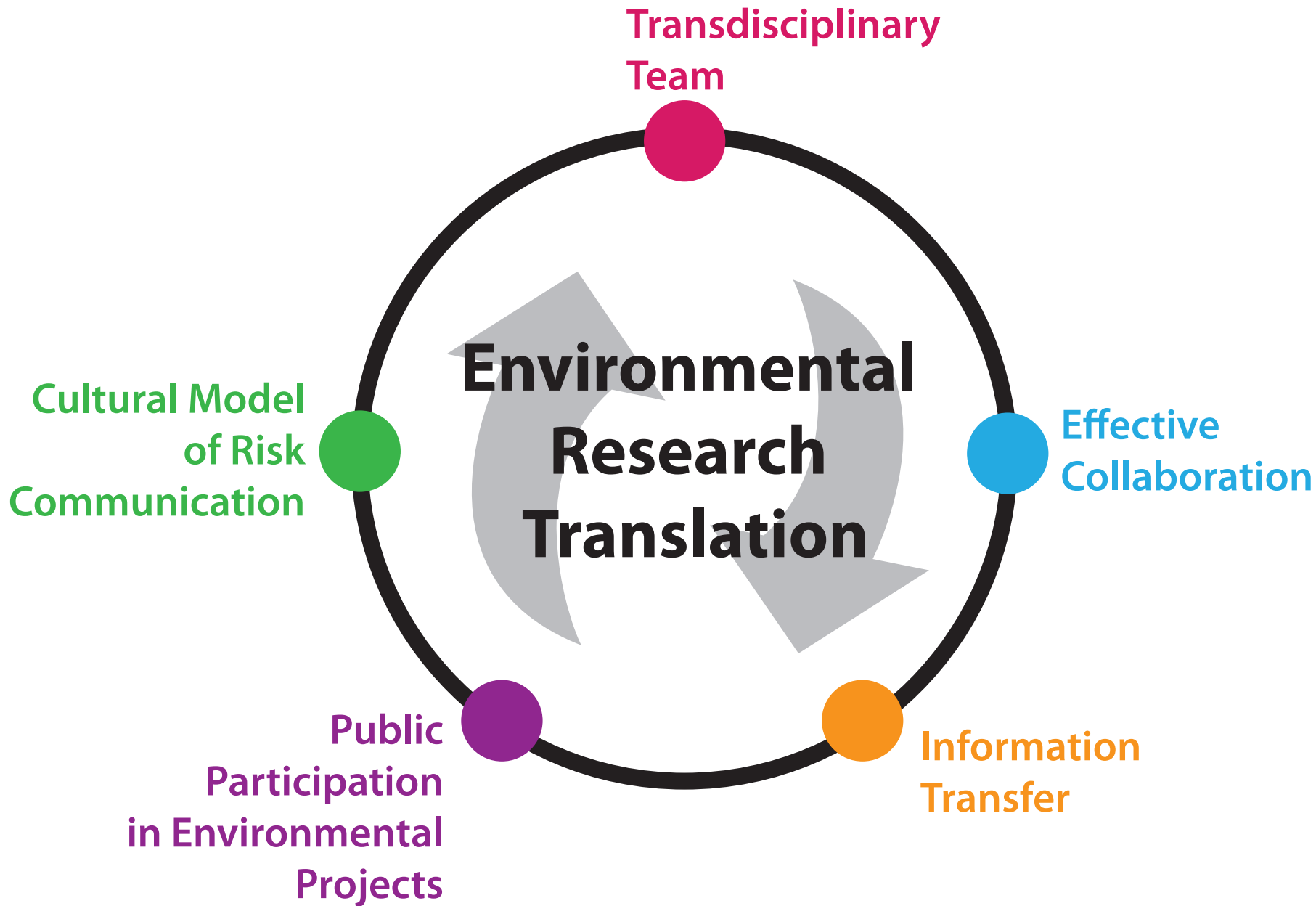


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How should these steps be implemented?

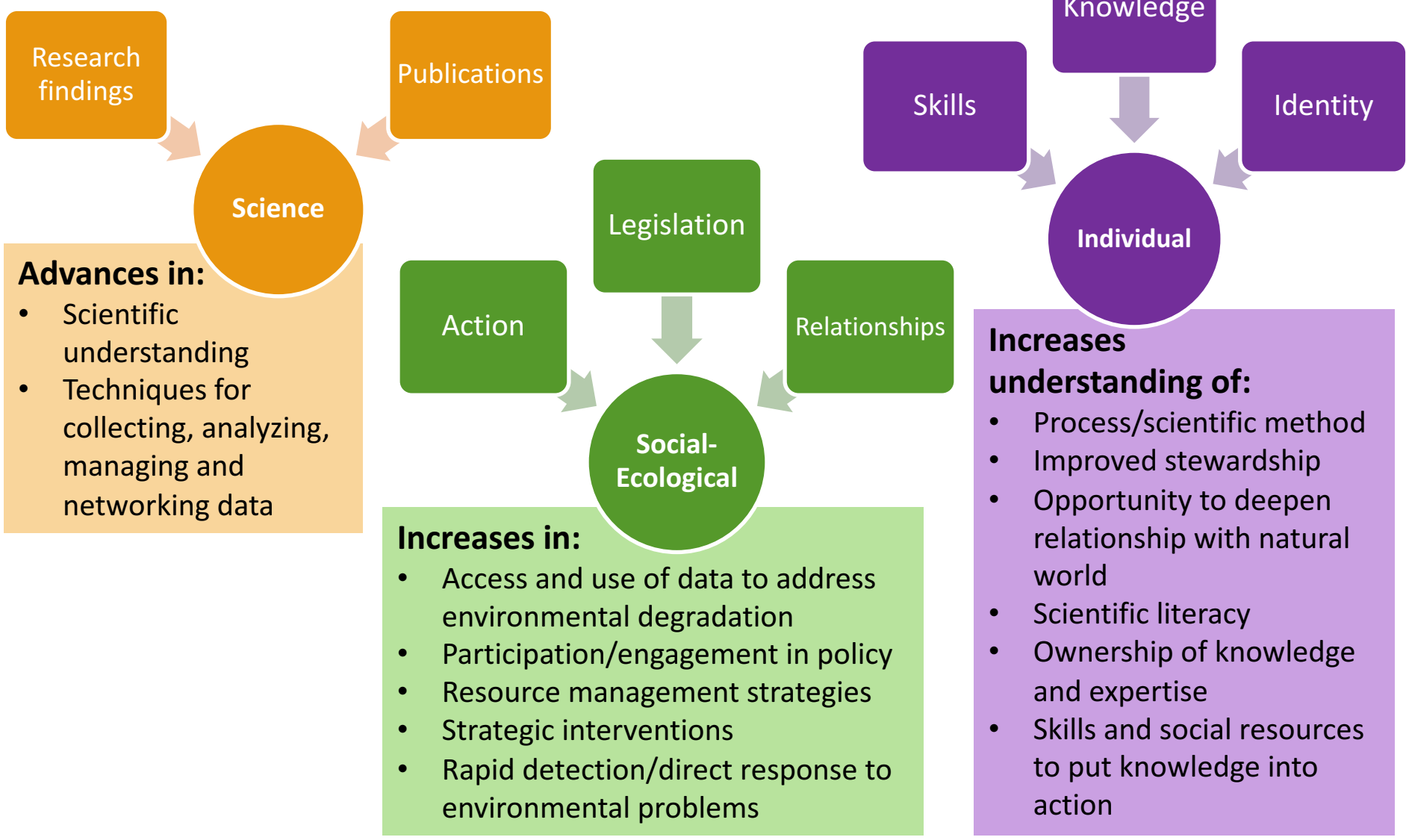
What are the outcomes of this work?



Israel et al., 1998; Pandya, 2012; Ramirez-Andreotta et al., 2015; Brody et al., 2014

Expected Outcomes for Citizen Science Participants

How do we know?



Citations: Shirk, J. L., H. L. Ballard, C. C. Wilderman, T. Phillips, A. Wiggins, R. Jordan, E. McCallie, M. Minarchek, B. V. Lewenstein, M. E. Krasny, and R. Bonney. 2012. Public participation in scientific research: a framework for deliberate design. *Ecology and Society* 17(2): 29. 1. Brown, P., Brody, J.G., Morello-Forsch, R., Tovar, J., Zota, AR, Rudel, RA. 2012. Measuring the Success of Community Science: The Northern California Household Exposure Study. *Environmental Health Perspectives*, 120 (3), 326-331.

Reporting data back to participants

What people want to know

Personal Exposure Report-Back Ethics Study (R01ES017514, PI: Brown and Brody):

1. Examining how researchers report back data, Institutional Review Boards evaluate such protocols
2. how participants understand and use results
3. Using this information to develop best practices for results communication.

Description
What did you find? What did you look for?
How much?
Analysis/Comparison
Is that high?
Is that safe?
What should I focus on?
Where did the chemical come from?
Recommendation
What can/should I do?

Redefining how to conduct an exposure assessment

Collecting data via public participation, focus groups, and 1:1 interviews and comparing site specific data with US EPA Exposure Handbook

What do you think needs to be added to the exposure assessment process?

What do you eat and grow in your garden?

How much do you eat in your garden?



Citizen Participation in Risk Assessment and Communication