

Project evaluation

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This evaluation is being conducted by the Arctic Rivers Project, Ryan Toohey, with the U.S. Geological Survey is the main contact (rtoohey@usgs.gov) for this evaluation.

We will collect information from stakeholders of the Arctic Rivers Project, which include representatives of Indigenous communities in Alaska, representatives of Indigenous organizations, State and Federal entities, and others regarding the effectiveness of participatory methods and achievement of overall project goals. Evaluation information will be collected via an online survey. Questions will focus on the relevancy of the project to participants, methods used to engage with participants, feedback about project components, input for the direction of the project, preferred communication methods, current and future use of project products. This information will allow for a greater understanding of the effectiveness of community engagement, the co-production process, and participation in the direction of the project. This information will help guide the project through its various phases, and it will help enhance communication and product development. We aim to share this information directly with participants in the project and the larger co-production of knowledge community through peer-reviewed publications and other science communication products.

We estimate that it will take an hour to complete the interview. Your responses will not be shared with anyone outside of the Arctic Rivers Project team, but may be anonymized, aggregated, and published in a future report or journal article. We will share the survey results with you and will be sure to get permission if we would like to include direct quotes in any way. We thank you for your time!

Privacy Act Statement: You are not required to provide your contact information in order to submit your survey response. However, if you do not provide contact information, we may not be able to contact you for additional information to verify your responses. If you do provide contact information, this information will not be shared with any other organization and will only be used to initiate follow-up communication about this project if needed. The records for this collection will be maintained in the appropriate Privacy Act System of Records identified as [DOI Social Networks (Interior/USGS-8) published at 76 FR 44033, 7/22/2011].

The Paperwork Reduction Act of 1995 (44 U.S.C. 3501), states that an agency may not conduct or sponsor, and you are not required to respond to a collection of information unless it displays a currently valid OMB control number and expiration date. You may submit comments on any aspect of this collection. Please note that comments submitted in response to this collection are public record. Comments on this collection should be sent to the Clearance Office at gs-info_collections@usgs.gov. [16 U.S.C. 1a7] authorized collection of this information. This information will be used by the U.S. Geological Survey to better serve the public. Response to this request is voluntary. We estimate that it will take 60 minutes to prepare and respond to this collection. We will not distribute responses associated with you as an individual. We ask you for some basic contact information to help us interpret the results and, if needed, to contact you for clarification.

Project evaluation

1. In what ways did you participate in the Arctic Rivers Project? (Please select all that apply)

- Attended a project webinar
- Served on the Indigenous Advisory Council
- Participated in the Summit
- Community liaison
- Completed survey on climate modeling
- Helped with data collection
- Participated in an interview
- Shared knowledge and experiences
- Other (please describe)

1. How did you hear about the Arctic Rivers Project?

Open response

2. Why did you want to participate in the Arctic Rivers Project? Were your goals met?

Open Response

2. Have you interacted with the Indigenous Advisory Council?

- Yes
- No
- Unsure

[No and unsure route to 5., yes routes to 4a]

4a. Please describe how you interacted with the Indigenous Advisory Council

Open response

Instructions:

The following questions are about how the project engaged in knowledge co-production with you and your community. Knowledge co-production is often defined as a process that brings together Indigenous knowledge and western science to generate new knowledge and understandings of the world that would likely not be achieved through the application of only one knowledge system. Co-production of knowledge emphasizes the importance of attaining equity in research relationships.

3. While developing the Co-Production Protocols with the Indigenous Advisory Council, they identified the following guiding principles. In your opinion, how effective was the Arctic Rivers Project at the following: (On a scale of 1(not effective) to 5(very effective) (include a “not sure or did not observe” choice)

- Establishing effective communication with you and your community
- Meaningfully involving indigenous participants throughout the entire process
- Including and protecting indigenous knowledge throughout the project
- Practicing cultural awareness and education
- Sharing the decision-making process
- Equalizing power dynamics between the community and the scientists
- Giving back to the community and practicing reciprocity
- Stewarding the environment and community
- Being anti-racist

4. How could the project do more to follow the guiding principles?

Open Response

7. Do you feel that you were able to influence the direction of the ARP?

- Yes
- No
- Unsure

8. The following question asks you to rate your own understanding of certain concepts covered by the Arctic Rivers Project. Please rate the following on a scale of 1-5...It then asks if the ARP helped to increase your understanding? (Yes, No)

- How much did you know about climate change impacts on your community before your participation in the Arctic Rivers Project?
- How well do you understand what a climate model is?
- How well do you understand what a fish model is?
- How well do you understand what a river ice model is?
- How well do you understand what climate projections are?
- How well do you understand what climate scenarios are?
- How well do you understand what climate change storylines are?

9. How much did you learn from the discussion of scenarios and projections for your community?

Open response

10. Did you learn any additional information about climate change impacts by participating in the Arctic Rivers Project? If so, what?

Open response

11. Did your community install sensors for the project?

- Yes
- No
- Unsure

(If Yes, then 11a, if No or Unsure then 12)

11a. How will your community use the sensor data?

12. Did your community participate in informing the river ice models?

- Yes
- No
- Unsure

(If Yes, then 12a, if No or Unsure then 13)

12a. How will your community use the river ice models?

13. Did your community participate in informing the fish models?

- Yes
- No
- Unsure

(If Yes, then 13a, if No or Unsure then 14)

13a. How will your community use the fish models?

14. Did you feel that the construction of storylines was useful for your community?

- Yes
- No
- Unsure

(If Yes, then 14a, if No or Unsure then 15)

14a. How might your community use a storyline?

Open response

15. The following questions are attempting to understand if you will be able to use products and communications from the Arctic Rivers Project.

- What do you believe are the most effective ways to communicate the results of the project with other communities?

Open response

- Do you think the products that come from the ARP will be useful for community planning? (Yes/No/Unsure)

- Do you think you will use any modeling products from the Arctic Rivers Project? (Yes/No/Unsure)

- How easy do you think it will be to use the modeling products from the Arctic Rivers Project?

Open Response

16. What kind of products would you like to see come from the ARP?

- Webinars
- Conference Presentations

- Reports
- Executive Summaries
- Web pages
- Peer-reviewed scientific journal articles
- Data sets
- Decision support tools
- Other (please describe)

17. Do you feel that you were able to guide the production of the ARP products (i.e., reports, articles, presentations, websites, etc.)?

- Yes
- No
- Unsure

18. Do you feel that the knowledge you shared with the project will be used in the products that come from the ARP?

- Yes
- No
- Unsure

19. Do you feel that you were able to contribute to the ARP in a meaningful way for your community?

- Yes
- No
- Unsure

(If Yes, then 19a, if No or Unsure then 20)

19a. How will your community use data and products from the ARP?

Open Response

Thinking about your interactions with the project team and the proposed outcomes of the Arctic Rivers Project, would you continue to work with the ARP? Why or why not?
Open response

20. Is there anything else you would like us to know?

Open response

21. Please provide your contact information so that we may follow up with you if we have any questions about your responses.

- Name
- community
- phone
- email