

## Appendix 1: Question collection survey and consent document.

Thank you for agreeing to complete the survey below.

Based on your membership in CHANS-Net, you are invited to participate in a research project that seeks to elevate awareness of Coupled Human and Natural Systems (CHANS) research and prioritize future scientific efforts for CHANS research. Examples of CHANS include social-ecological systems, coupled human-environmental systems, and population-environment systems. The survey below consists of 10 questions and will take approximately 10 minutes to complete. Survey results will be compiled and analyzed to highlight trends in the key directions for the future of CHANS research. The CHANS community will be notified when the results of the analysis are available.

Regarding privacy and confidentiality of responses, your responses are anonymous and will not be shared with anyone else, in publications, or in presentations. Furthermore, your participation is voluntary. You may refuse to participate in certain questions or discontinue your participation at any time without consequence.

If you have concerns or questions, please contact Dr. Daniel Kramer at the Department of Fisheries and Wildlife at Michigan State University ([dbk@msu.edu](mailto:dbk@msu.edu), +1(517) 432-2199).

If you have questions or concerns about your role and rights as a research participant or would like to register a complaint about this study, you may contact the Michigan State University's Human Research Protection Program (517-355-2180, Fax 517-432-4503, or e-mail [irb@msu.edu](mailto:irb@msu.edu)).

You are providing your voluntary consent to participate in this research by beginning the survey below.

Thank you again for your time and thoughtfulness.

**1. What are the transformative questions to address in order to have the biggest impact on understanding and managing coupled human and natural systems?**

#1:

#2:

#3:

**2. Have you ever been a Principal Investigator (PI) or co-Principal Investigator (co-PI) on an NSF Coupled Natural and Human Systems (CNHS) grant?**

Yes

No

Decline to Respond

If yes, on how many NSF CNHS grants have you been a PI or co-PI?

**3. What is your primary occupational sector?**

Academic

Government

Non-Profit

Private

Decline to Respond

Other (please specify)

**4. Do you consider your work to be strongly inter- or multi-disciplinary (i.e. integration of at least one natural science and one social science discipline)?**

Yes

No

Decline to Respond

**5. Based on the following categories from NSF-supported disciplines, which of the following do you consider your primary field?**

- Chemistry
- Computer and Information Science
- Engineering
- Geosciences
- Mathematical Sciences
- Physics
- Psychology
- Social Sciences

**7. In what year were you born?**

**8. What is your gender?**

- Male
- Female
- Decline to Respond

**9. What is your primary nationality?**

Other (please specify)

**10. In what country are you primarily employed?**

Other (please specify)