

Interdisciplinary Team Science for EPSCoR GEM 3: A Toolbox Workshop

Sanford Eigenbrode
Graham Hubbs
University of Idaho
for the
Toolbox Dialogue Initiative
http://tdi.msu.edu/

Lisette Waits

MICHIGAN STATE
UNIVERSITY

Core Question: What are the challenges of doing interdisciplinary work?

Interdisciplinary science is more likely to foster innovation than disciplinary science.

Strongly agree				Strongly disagree
1	2	3	4	5

Toolbox Instrument

A set of philosophically-inspired prompts that probe issues related to team science

Three modules: Project Organization, Methodology, Data and Confirmation

- Each with a core question
- Each with several probing statements with Likert scores for participants
- Meant to stimulate productive that reveals the range of views and assumptions
- Scores are useful for overall project-wide self assessments

nterd	isciplin	arity -	- Wha	t are i	the specif	ic challenges of doing	interdisciplinary research?	
1.	One can be an interdisciplinary expert without being a disciplinary expert. Disagree Agree							
	1	2	3	4		I don't know	N/A	
2.	An interdisciplinary project can be successful even if no project member understands all parts of the project. Disagree Agree							
	1	2	3	4	5	I don't know	N/A	
3.	. Interdisciplinary research is more likely to foster innovation than disciplinary research.						tion than disciplinary	
	Disagra 1	2	3	4	Agree 5	I don't know	N/A	
4.	Integrating the knowledge of different disciplines is the most difficult challenge to successful interdisciplinary research.							
	Disagra 1	ee 2	3	4	Agree 5	I don't know	N/A	
5.	Member of their Disagra	proje		y con		eam do not need to sha	re a common understanding	
	1	2	3	4	5	I don't know	N/A	
6.	It is more difficult to be successful in an interdisciplinary project than it is in a disciplinary project.							
	Disagra 1	ee 2	3	4	Agree 5	I don't know	N/A	

The App – The Toolbox on-line



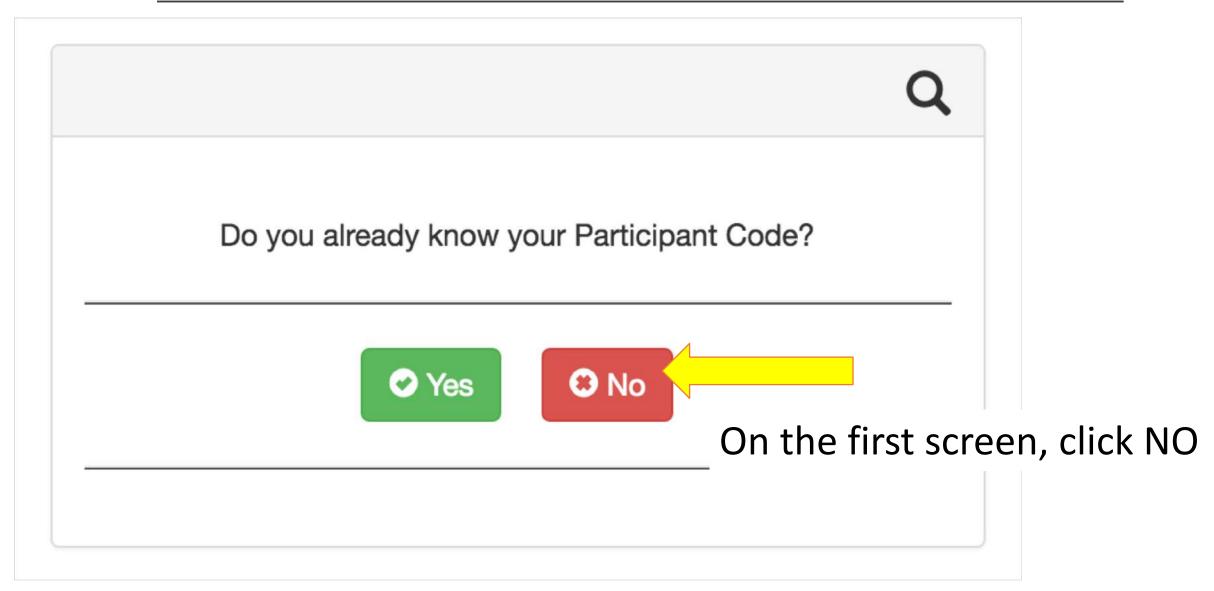
Getting There!

You have received this link by email:

https://bit.ly/2QGSrko

Starting







Filling Out the Instrument

Toolbox Dialogue Initiative
Michigan State University IRB # x17-980e

EXPLANATION OF THE RESEARCH

You are being asked to participate in a study regarding the impact of structured philosophical dialogue on mutual understanding and communication in groups of individuals who are working together in a collaborative capacity toward a common goal (e.g. research, program development, capacity building, educational advancement). The objectives of the Toolbox Dialogue Initiative (TDI) are to facilitate collaboration among groups within and outside the academy, and contribute to the understanding of inter- and transdisciplinary process and the nature of team science.

As part of the TDI workshop you will be asked to complete a survey before and after a dialogue session that will be framed by the survey. The workshop dialogue will be recorded and transcribed. The Toolbox survey instrument should take no longer than 15 minutes to complete each time and the dialogue session will last for no longer than 2 hours. Toolbox workshops may also include a 15 to 60-minute group activity; examples include (but are not limited to) brainstorming, co-creation of ideas, and responses to scenarios. All identifying personal information will be redacted from the data collected through the activities stated above.

YOUR RIGHTS AS A PARTICIPANT

Your participation is completely voluntary. You can withdraw at any time, decline to respond to any particular question or statement, or decline to participate in the dialogue. By completing the surveys and/or participating in the workshop dialogue, you are acknowledging that any data collected in this study can be used in research publications and presentations. This is a confidential project—we will collect your name and email address during the Toolbox workshop, but will separate them from the data, which will be marked only by participant numbers; the identifiers will be stored separately and will not be used in any project reports or manuscripts.

CONTACT INFORMATION FOR QUESTIONS AND CONCERNS

If you have any questions or concerns about this study, please contact Dr. Michael O'Rourke, at orourk51@msu.edu, by phone at 517-432-0752 or regular mail at 503 S. Kedzie, East Lansing, MI 48824.

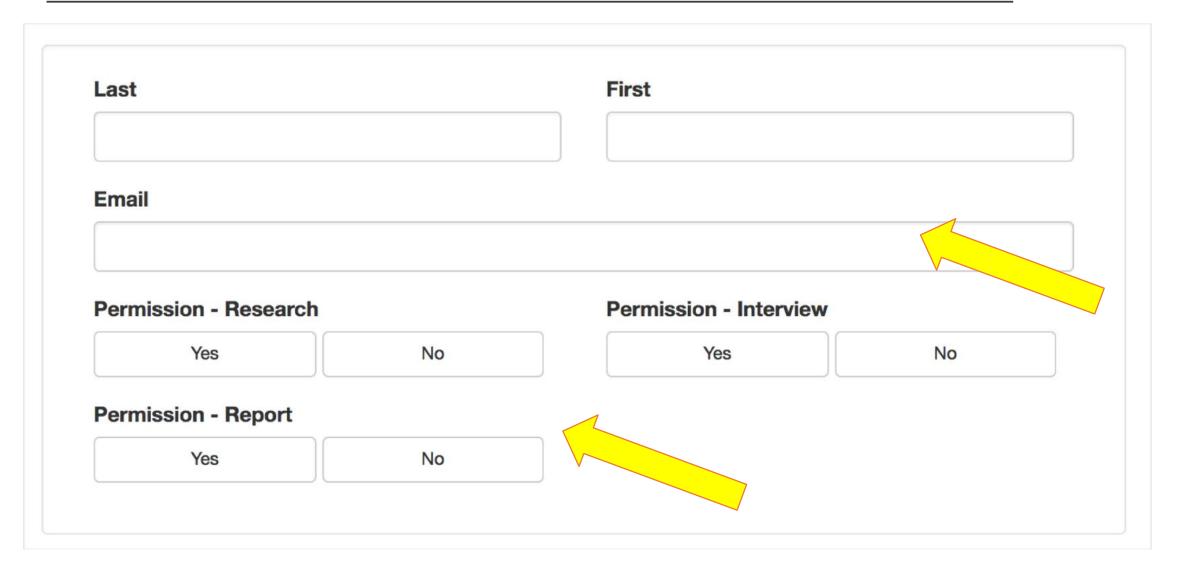
If you have questions or concerns about your role and rights as a research participant, would like to obtain information or offer input, or would like to register a complaint about this study, you may contact, anonymously if you wish, the Michigan State University's Human Research Protection Program at 517-355-2180, Fax 517-432-4503, or e-mail irb@msu.edu or regular mail at Olds Hall, 408 West Circle Dr. Rm 207, East Lansing, MI 48824.

I have read the statement



The App Filling Out the Instrument



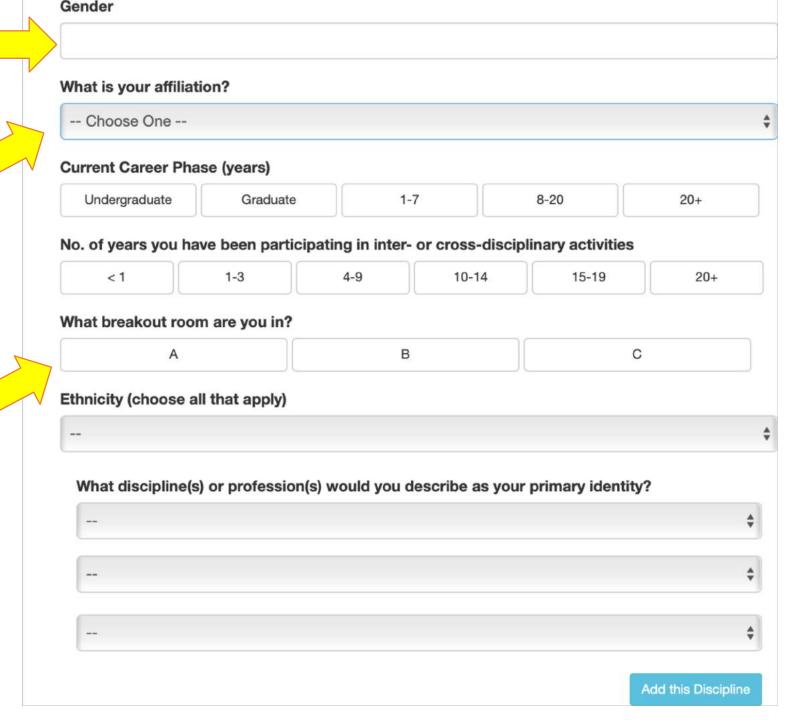


Let's Use: M, F, O

Make sure to select your institutional affiliation

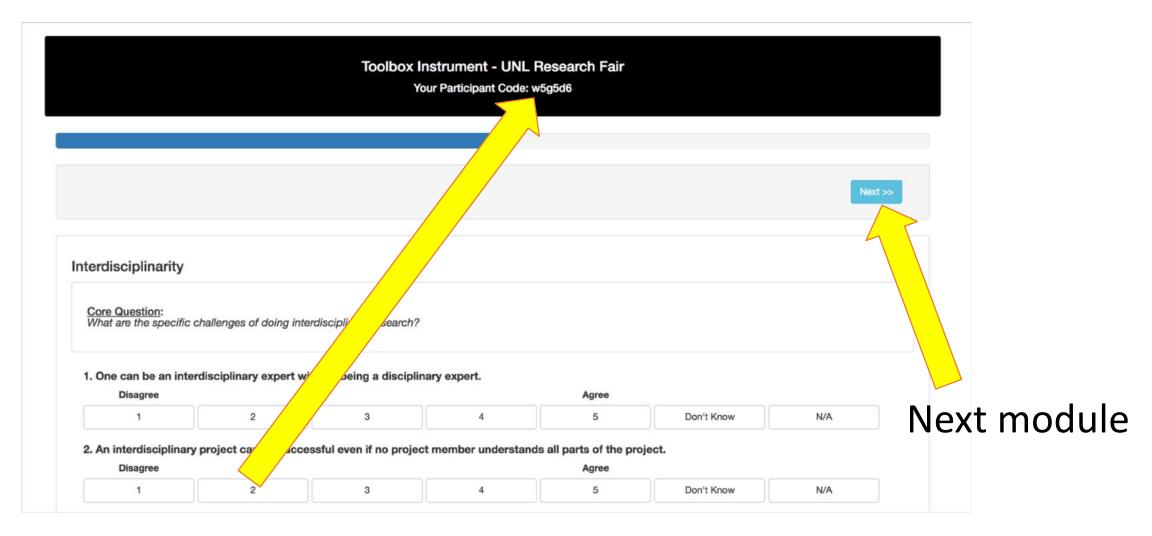
Make sure to select your breakout room identifier (A, B, C)





The App Filling Out the Instrument

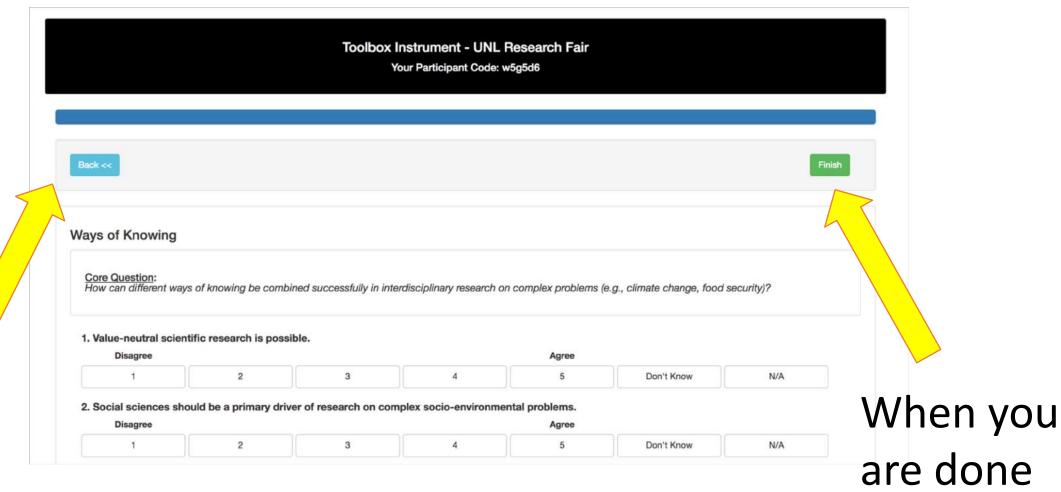




Write Down your Participant Code!



Filling Out the Instrument

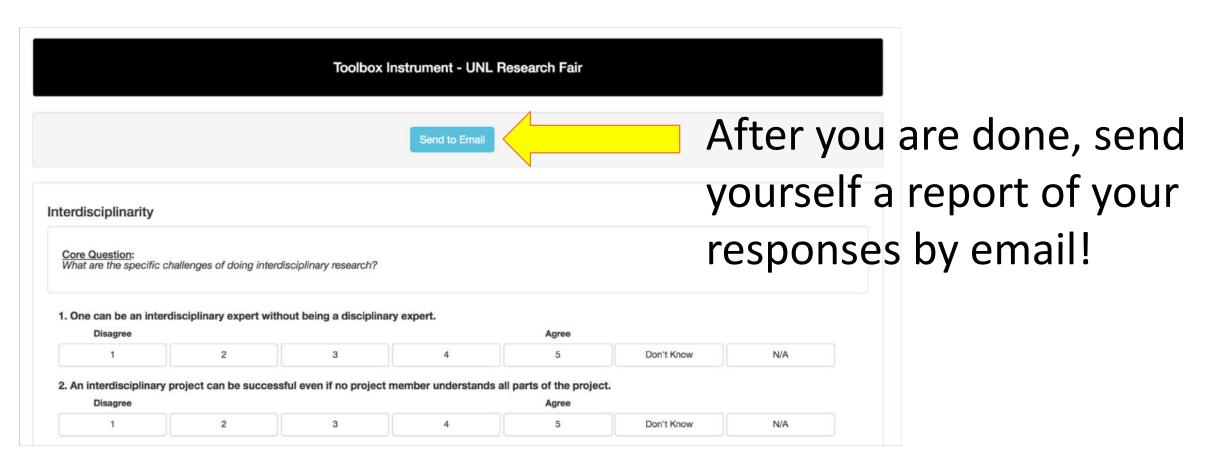


You can go back and review/revise answers!

Instructions for the Toolbox Survey "App"



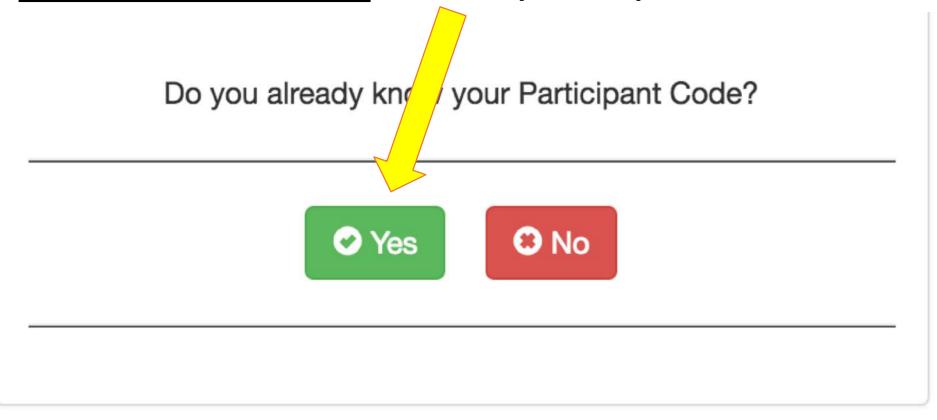
Filling Out the Instrument



Starting



To review your responses, click Yes and enter your participant code when prompted



After completing your on-line survey, please go to breakouts!

- A Limelight A, with Lisette and Steve K.
- B Sage, with Graham and Vanessa
- BoardRoom, with Sanford and Catherine