

# THIRA

## Evaluation Materials

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# THIRA Pre-Workshop Survey

## Drought Planning Using Community Threat and Hazard Identification and Risk Assessment (THIRA)

IRB Approval #: 20160716299 EX  
Valid until Date: 7/20/2021

Thank you for your willingness to participate in the THIRA workshop!

As part of the registration for the workshop we are asking that you also complete a short survey. The purpose of this 10-15 minute survey, conducted by University of Nebraska researchers, is to gather opinions about drought hazards and planning for such hazards.

Everyone who attends the THIRA workshop will also be invited to participate in another 10-minute evaluation survey immediately following the THIRA workshop, and a 15-minute on-line survey that will be sent to you approximately 9 months after the workshop to assess the longer-term impacts of your participation in the event.

In order to match individuals' responses with one another over time, a list will be used that will associate individual names, emails, and randomly assigned survey identification codes. This list will be kept on a secure, password-protected server and only the approved researchers will have access to it.

Participating in these surveys offers no risks or benefits to you personally, and you are free to decide not to participate in this study. You can also withdraw at any time without harming your relationship with researchers or the University of Nebraska-Lincoln. You may choose to participate in the THIRA workshop and not agree to be a part of the research.

If you have any questions, please contact the researchers (Denise Bulling, [dbulling@nebraska.edu](mailto:dbulling@nebraska.edu) and Lisa PytlikZillig, [lpytlikz@nebraska.edu](mailto:lpytlikz@nebraska.edu)) at any time, or contact the UNL Institutional Review Board at 402-472-6965 if the researchers cannot answer your questions.

If you would like a copy of this information, please print it from your browser now. The research team's contact information will also be available to you at the end of the survey.

Please make your choice below:

- Yes, I am willing to participate in the short 10-minute survey as well as register for the workshop.
- No, I do not want to complete the survey; I only want to register for the workshop.

1. (pre01) How familiar are you with how drought might impact each of the following?

<b>Air quality</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Agriculture/livestock</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Economic health/well-being (e.g., local economy and poverty in the community)</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Energy and transportation infrastructure</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Flooding</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Natural environment/wildlife</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Public health (mental, physical, social)</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Recreation and tourism</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Water quality</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Water supply</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Wildfires</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar

2. (pre02) How concerned are you about drought having a negative impact on each of the following in your area, sometime in the next 10 years?

<b>Air quality</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Agriculture/livestock</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Economic health/well-being (e.g., local economy and poverty in the community)</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Energy and transportation infrastructure</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Flooding</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Natural environment/wildlife</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Public health (mental, physical, social)</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Recreation and tourism</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Water quality</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Water supply</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Wildfires</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned

3. (pre03) If you would like to comment or explain any of your answers above, please do so below.

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4. (pre04) Currently, how would you characterize the way in which your organization involves the following entities or organizations in your hazard planning processes? Please choose the single best descriptor from the following.

Use the following definitions when choosing the term that is the best descriptor:

- Independent: We do not involve them in our planning
- Communicate: We share our plans to them and receive their input
- Coordinate: We combine efforts to ensure plans are consistent in some areas
- Collaborate: We work closely with them as a team, involving them in our planning process, sharing resources and/or participating in their organization's planning processes
- Integrate: Our plans and planning processes share major goals, objectives, procedures, and implementation strategies with theirs.

<b>Local government entities (e.g., village, city, county)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>State government agencies</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Federal government agencies</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Tribal and local cultural/community groups or entities</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Public health departments</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Social service entities (e.g., employment services, food pantries)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Recreation/tourism</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Other private industries (including small businesses)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate

5. (pre05) Please rate the likelihood that you would feel willing to accept a decision related to dealing with drought made by each of the following entities, without much questioning or challenging of the decision.

<b>Local government entities (e.g., village, city, county)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>State government agencies</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Federal government agencies</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Tribal and local cultural/community groups or entities</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Public health departments</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Recreation/tourism</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Other private industries (including small businesses)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept

6. (pre06) For each of the following entities, please rate the extent to which you perceive them as operating **competently** (e.g., with high levels of knowledge and skill).

<b>Local government entities (e.g., village, city, county)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>State government agencies</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Federal government agencies</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Tribal and local cultural/community groups or entities</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Public health departments</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Recreation/tourism</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Other private industries (including small businesses)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent

7. (pre07) Next, please rate the extent to which you perceive them as operating **transparently** (e.g., sharing information openly and honestly).

<b>Local government entities (e.g., village, city, county)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>State government agencies</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Federal government agencies</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Tribal and local cultural/community groups or entities</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Public health departments</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Recreation/tourism</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Other private industries (including small businesses)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent

8. (pre08) Finally, please rate the extent to which you perceive them as operating **collaboratively** (e.g., working as a team with other agencies).

<b>Local government entities (e.g., village, city, county)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>State government agencies</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Federal government agencies</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Tribal and local cultural/community groups or entities</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Public health departments</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Recreation/tourism</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Other private industries (including small businesses)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative

9. (Pre09) If you would like to comment or explain any of your answers to the questions on this survey, please do so here.

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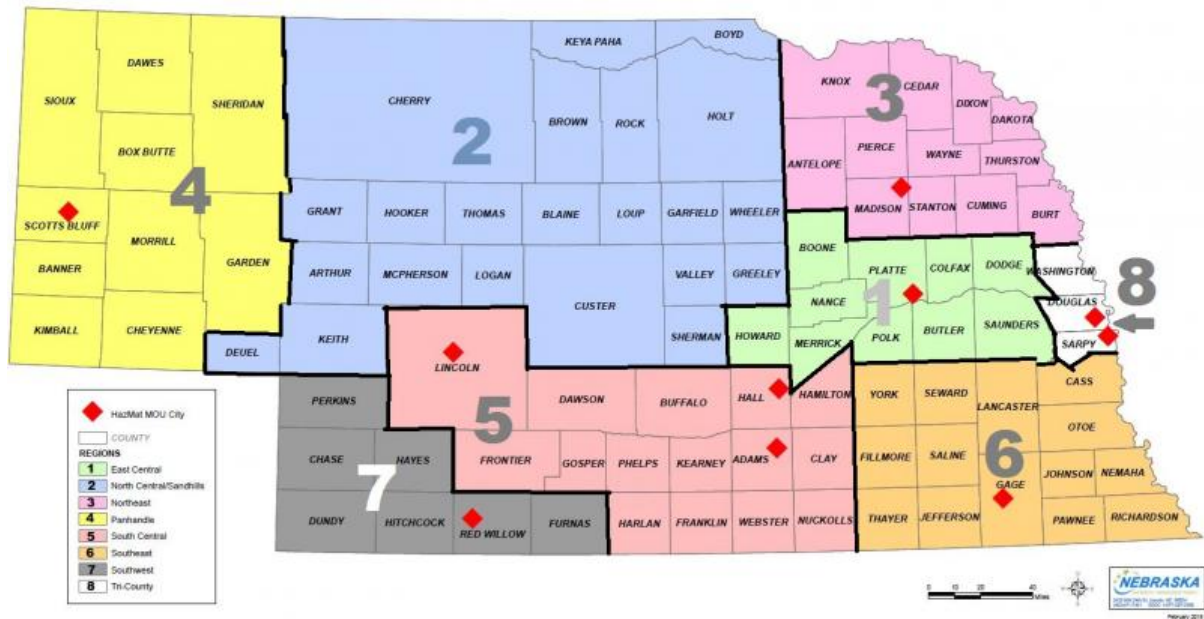


# Demographics

If you are willing, we would greatly appreciate it if you would complete the following demographic information.

The THIRA event is funded by a grant from the National Oceanic and Atmospheric Administration (NOAA). As part of our reporting requirements we will be expected to summarize the demographics of our participants. Thank you!

10. (pre10) In which area of Nebraska do you primarily live and work? \_\_\_\_\_



11. (pre11) How many years or months of work experience do you have in your area of expertise?

Total years (please round to nearest year):

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If less than 1 year, then how many months?

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12. (pre12) Which of the following describes you? (choose all that apply)

Elected official

Appointed official

Private business person or representative

Non-profit or quasi-governmental entity representative

Local government employee

State government employee

Federal government employee

Academic/Professor/Researcher

Other (please specify) \_\_\_\_\_

13. (pre13) What is your gender?

Male

Female

Other

# THIRA POST WORKSHOP SURVEY

Drought Planning Using Community  
Threat and Hazard Identification and Risk Assessment (THIRA)

IRB Approval #: 20160716299 EX  
Valid until Date: 7/20/2021

Thank you for participating in today's THIRA workshop!

The purpose of this 10-minute post-workshop survey, conducted by University of Nebraska researchers, is to gather opinions about drought hazards and planning for such hazards.

Everyone attending the THIRA workshop was also invited to complete a registration survey, and will be asked to participate in a 15-minute on-line survey that will be sent to you approximately 9 months after the workshop to assess the longer-term impacts of your participation in the event.

In order to match individuals' responses with one another over time, a list will be used that will associate individual names, emails, and randomly assigned survey identification codes. This list will be kept on a secure, password-protected server and only the approved researchers will have access to it.

Participating in this survey is voluntary and offers no risks or benefits to you personally. You may choose to complete or not any aspect of the research without harming your relationship with researchers or the University of Nebraska-Lincoln.

If you have any questions, please contact the researchers (Denise Bulling, [dbulling@nebraska.edu](mailto:dbulling@nebraska.edu) and Lisa PytlikZillig, [lpytlikz@nebraska.edu](mailto:lpytlikz@nebraska.edu)) at any time, or contact the UNL Institutional Review Board at 402-472-6965 if the researchers cannot answer your questions.

If you would like a copy of this information, please feel free to keep this sheet.

Thank you for your willingness to complete this survey and assist us with our evaluation! Please indicate your opinions by circling or writing your answers to the following questions.

1. (post01) How helpful was today's workshop for advancing your organization's planning for drought hazards?

Not at all helpful	Slightly helpful	Moderately helpful	Very helpful	Extremely helpful
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2. (post02) Was anyone missing at today's workshop?  NO  YES  
*If yes, use the space below to note who else should have been invited (individuals or organizations).*

3. (post03) How well were your views or the views of your organization understood by the **workshop organizers** and **facilitators**?

Not at all well	Slightly well	Moderately well	Very well	Extremely well
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4. (post04) To what extent were the **organizers** and **facilitators** responsive to your or your organization's views and concerns (e.g., heard, acknowledged, and took your concerns seriously)?

Not at all responsive	Slightly responsive	Moderately responsive	Very responsive	Extremely responsive
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5. (post05) How well were your views or the views of your organization understood by the **other stakeholders** (i.e., other workshop participants)?

Not at all well	Slightly well	Moderately well	Very well	Extremely well
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6. (post06) To what extent were the **other stakeholders** (i.e., other workshop participants) responsive to your or your organization's views and concerns?

Not at all responsive	Slightly responsive	Moderately responsive	Very responsive	Extremely responsive
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7. (post07) How could the organizers and/or other stakeholders have been more responsive to your views and concerns or to those of your organization?

8. (post08) Do you have any other comments that you would like to make about today's workshop or processes? If so, please write them below.

9. (post09) How much did the THIRA process increase or decrease the likelihood that you will involve other organizations in your planning processes?

Strongly decreased      Moderately decreased      Slightly decreased      Neither increased nor decreased      Slightly increased      Moderately increased      Strongly increased

10. (post10) For each of the following types of organizations, indicate whether—during the THIRA workshop—you met someone within that organization that you could contact in the future regarding your organization’s planning efforts, and how likely you would be to contact them.

	Met someone you could contact?		Likelihood that you would contact them about future planning efforts?				
	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Local government entities (e.g., village, city, county)</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>State government agencies</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Federal government agencies</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Tribal and local cultural/community groups or entities</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Public health departments</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Social service entities (e.g., employment services, food pantries)</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Recreation/tourism</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Other private industries (including small businesses)</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Yes	No	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely

11. (post11) How familiar are you with how drought might impact each of the following?

<b>Air quality</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Agriculture/livestock</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Economic health/well-being (e.g., local economy and poverty in the community)</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Energy and transportation infrastructure</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Flooding</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Natural environment/wildlife</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Public health (mental, physical, social)</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Recreation and tourism</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Water quality</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Water supply</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Wildfires</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar

12. (post12) How concerned are you about drought having a negative impact on each of the following in your area, sometime in the next 10 years?

<b>Air quality</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Agriculture/livestock</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Economic health/well-being (e.g., local economy and poverty in the community)</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Energy and transportation infrastructure</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Flooding</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Natural environment/wildlife</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Public health (mental, physical, social)</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Recreation and tourism</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Water quality</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Water supply</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Wildfires</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned

13. (post13) Please rate the likelihood that you would feel willing to accept a decision related to dealing with drought made by each of the following entities, without much questioning or challenging of the decision.

<b>Local government entities (e.g., village, city, county)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>State government agencies</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Federal government agencies</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Tribal and local cultural/community groups or entities</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Public health departments</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Recreation/tourism</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Other private industries (including small businesses)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept

14. (post14) For each of the following entities, please rate the extent to which you perceive them as operating **competently** (e.g., with high levels of knowledge and skill).

<b>Local government entities (e.g., village, city, county)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
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<b>Other private industries (including small businesses)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent



15. (post15) Next, please rate the extent to which you perceive them as operating **transparently** (e.g., sharing information openly and honestly).

<b>Local government entities (e.g., village, city, county)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>State government agencies</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Federal government agencies</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Tribal and local cultural/community groups or entities</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Public health departments</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Recreation/tourism</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Other private industries (including small businesses)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent

16. (post16) Finally, please rate the extent to which you perceive them as operating **collaboratively** (e.g., working as a team with other agencies).

<b>Local government entities (e.g., village, city, county)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>State government agencies</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Federal government agencies</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Tribal and local cultural/community groups or entities</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Public health departments</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Recreation/tourism</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Other private industries (including small businesses)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative

17. (post17) If you would like to comment or explain any of your answers to the questions on this survey, please do so here.

# Thank you!

Please return this survey to the researchers when you are finished.

# THIRA FOLLOW-UP SURVEY

**IRB Number #** 20160716299 EX

**Date approved:** 01/04/2018

**Valid until:** 07/20/2021

**Study Title: Drought Planning Using Community Threat and Hazard Identification and Risk Assessment (THIRA)**

## **What is the reason for doing this research study?**

The purpose of this study, conducted by University of Nebraska researchers, is to gather opinions about hazards, especially drought hazards, and planning for such hazards. In order to participate you must be 19 years of age or older and be a member of an organization that was invited to send representatives to an April 2017 THIRA workshop. Please note that you need not have attended the workshop. We want your opinions even if you did not attend the workshop yourself.

## **What will be done during this research study?**

Participation in the survey for this study will require approximately 10-15 minutes. You will be asked to give your opinions and perceptions of if and how your organization plans for droughts. Participation will take place online via a computer with internet access.

At the end of the survey, you will be asked if you are also willing to be interviewed at a later date. If you agree to volunteer to be interviewed, we will ask you to provide your contact information, which will be used solely for the interview. The interview will be conducted by phone, take 10-15 minutes, and during the interview you will be asked about your perceptions and reasoning related to your answers to this survey.

## **What are the possible risks of being in this research study?**

There are no known risks or discomforts associated with this research.

## **What are the possible benefits to you?**

The results of this study will be used to improve drought planning procedures.

## **How will information about you be protected?**

Your responses to this survey and to the interview (if you choose to be interviewed) will be kept anonymous. The identity of all survey and/or interview participants will be kept confidential. Electronic data from the surveys and notes from the interviews will be kept on a secure password-protected server that is only accessible to approved project researchers. Upon completion of reporting, the data will be de-identified so that it cannot be traced to individuals. Summaries of this research may include conference proceedings and journal

articles that include findings without identifying any individuals involved in answering survey or interview questions.

### **What are your rights as a research subject?**

You may ask any questions concerning this research and have those questions answered before agreeing to participate in or during the study.

For study related questions, please contact the investigator(s):

- Denise Bulling, [dbulling@nebraska.edu](mailto:dbulling@nebraska.edu)
- Lisa PytlikZillig, [lpytlikz@nebraska.edu](mailto:lpytlikz@nebraska.edu)

For questions concerning your rights or complaints about the research contact the Institutional Review Board (IRB):

- Phone: 1(402)472-6965
- Email: [irb@unl.edu](mailto:irb@unl.edu)

### **What will happen if you decide not to be in this research study or decide to stop participating once you start?**

You can decide not to be in this research study, or you can stop being in this research study (“withdraw”) at any time before, during, or after the research begins for any reason. Deciding not to be in this research study or deciding to withdraw will not affect your relationship with the investigator or with the University of Nebraska-Lincoln. You will not lose any benefits to which you are entitled.

### **Documentation of Informed Consent**

You are voluntarily making a decision whether or not to participate in this research study. By choosing “I Agree” below, your consent to participate is implied and any answers you provide on the survey or in response to a voluntary interview will be analyzed as part of the study.

If you would like a copy of this information for your records please print it now.

- I AGREE to participate in this study
- I do NOT agree to participate

# Thank You!

Thank you for your willingness to complete this survey!

1. (follow-up01) Please indicate below whether you attended the THIRA drought workshop last April, 2017:

- I attended the THIRA workshop.
- I did \*NOT\* attend the THIRA workshop.

2. (follow-up02) Please indicate the organization to which you belong:

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3. (follow-up03) In the past 6-9 months how much have you or your organization increased or decreased the extent to which you involved other organizations in your planning processes?

- Strongly decreased
- Moderately decreased
- Slightly decreased
- Neither increased nor decreased
- Slightly increased
- Moderately increased
- Strongly increased

*[#4 is only for those who attended the THIRA]*

4. (follow-up04) How much **did the THIRA process** increase or decrease the extent to which you or your organization involved other organizations in your planning processes?

- Strongly decreased
- Moderately decreased
- Slightly decreased
- Neither increased nor decreased
- Slightly increased
- Moderately increased
- Strongly increased

5. (follow-up05) If you would like to comment or explain any of your answers thus far, please do so below.

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6. (follow-up06) Currently, how would you characterize the way in which your organization involves the following entities or organizations in your hazard planning processes? Please choose the single best descriptor from the following.

Use the following definitions when choosing the term that is the best descriptor:

- Independent: We do not involve them in our planning
- Communicate: We share our plans to them and receive their input
- Coordinate: We combine efforts to ensure plans are consistent in some areas
- Collaborate: We work closely with them as a team, involving them in our planning process, sharing resources and/or participating in their organization's planning processes
- Integrate: Our plans and planning processes share major goals, objectives, procedures, and implementation strategies with theirs.

<b>Local government entities (e.g., village, city, county)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>State government agencies</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Federal government agencies</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Tribal governments or entities</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Public health departments</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Social service entities (e.g., employment services, food pantries)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Recreation/tourism</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Other private industries (including small businesses)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Independent	Communicate	Coordinate	Collaborate	Integrate

7. (follow-up07) For each of the following types of organizations, indicate how likely it is that you might contact them in the future regarding your organization’s hazards planning efforts.

<b>Local government entities (e.g., village, city, county)</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>State government agencies</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Federal government agencies</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Tribal governments or entities</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Public health departments</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Recreation/tourism</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Other private industries (including small businesses)</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all likely	Slightly likely	Moderately likely	Very likely	Extremely likely

8. (follow-up08) If you would like to comment or explain any of your answers above, please do so below.

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9. (follow-up09) How familiar are you with how drought might impact each of the following?

<b>Air quality</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Agriculture/livestock</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Economic health/well-being (e.g., local economy and poverty in the community)</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Energy and transportation infrastructure</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Flooding</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Natural environment/wildlife</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Public health (mental, physical, social)</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Recreation and tourism</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Water quality</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Water supply</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar
<b>Wildfires</b>	Not familiar at all	Slightly familiar	Moderately familiar	Very familiar	Extremely familiar

10. (follow-up10) How concerned are you about drought having a negative impact on each of the following in your area, sometime in the next 10 years?

<b>Air quality</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Agriculture/livestock</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Economic health/well-being (e.g., local economy and poverty in the community)</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Energy and transportation infrastructure</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Flooding</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Natural environment/wildlife</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Public health (mental, physical, social)</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Recreation and tourism</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Water quality</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Water supply</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned
<b>Wildfires</b>	Not concerned at all	Slightly concerned	Moderately concerned	Very concerned	Extremely concerned



11. (follow-up11) If you would like to comment or explain any of your answers above, please do so below.

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12. (follow-up12) Please rate the likelihood that you would feel willing to accept a decision **related to dealing with drought** made by each of the following entities, without much questioning or challenging of the decision.

<b>Local government entities (e.g., village, city, county)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>State government agencies</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Federal government agencies</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Tribal governments or entities</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Public health departments</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Recreation/tourism</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Other private industries (including small businesses)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all likely to accept	Slightly likely to accept	Moderately likely to accept	Very likely to accept	Extremely likely to accept

13. (follow-up13) For each of the following entities, please rate the extent to which you perceive them as operating **competently** (e.g., with high levels of knowledge and skill).

<b>Local government entities (e.g., village, city, county)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>State government agencies</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Federal government agencies</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Tribal governments or entities</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Public health departments</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Recreation/tourism</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Other private industries (including small businesses)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all competent	Slightly competent	Moderately competent	Very competent	Extremely competent

14. (follow-up14) Next, please rate the extent to which you perceive them as operating **transparently** (e.g., sharing information openly and honestly).

<b>Local government entities (e.g., village, city, county)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>State government agencies</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Federal government agencies</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Tribal governments or entities</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Public health departments</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Recreation/tourism</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Other private industries (including small businesses)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent
<b>Agriculture (including livestock) entities (e.g., the Farm Bureau)</b>	Not at all transparent	Slightly transparent	Moderately transparent	Very transparent	Extremely transparent

15. (follow-up15) Finally, please rate the extent to which you perceive them as operating **collaboratively** (e.g., working as a team with other agencies).

<b>Local government entities (e.g., village, city, county)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Regional entities (e.g., Natural Resource Districts (NRDs), Planning, Exercise and Training (PET) Regions, Utility and power entities)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>State government agencies</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Federal government agencies</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Tribal governments or entities</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Public health departments</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Social service entities (e.g., employment services, food pantries)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Private policy or advocacy groups (e.g., environmental preservation groups)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Recreation/tourism</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Other private industries (including small businesses)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Emergency management and public safety (e.g., law enforcement, fire and rescue departments)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative
<b>Agriculture (including livestock entities (e.g., the Farm Bureau)</b>	Not at all collaborative	Slightly collaborative	Moderately collaborative	Very collaborative	Extremely collaborative

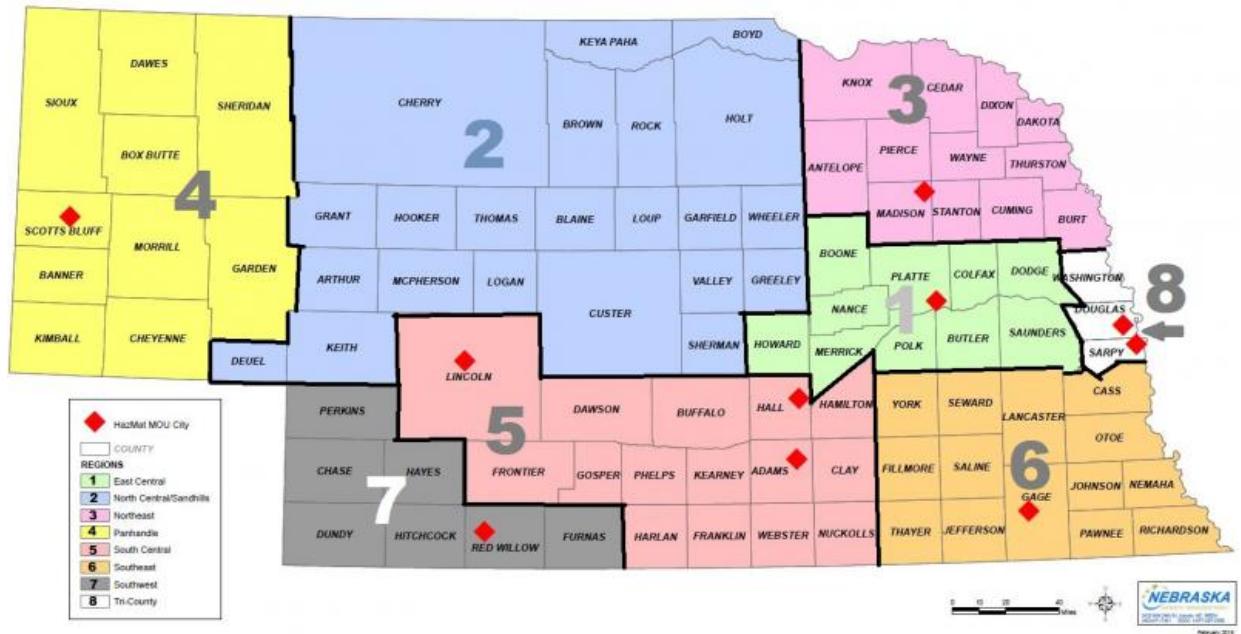
16. (follow-up16) If you would like to comment or explain any of your answers to the questions on this survey, please do so here.

## Demographics

If you are willing, we would greatly appreciate it if you would complete the following demographic information.

The THIRA event is funded by a grant from the National Oceanic and Atmospheric Administration (NOAA). As part of our reporting requirements we will be expected to summarize the demographics of our participants. Thank you!

17. (follow-up17) In which area of Nebraska do you primarily live and work? \_\_\_\_\_



18. (follow-up18) How many years or months of work experience do you have in your area of expertise?

- Total years (please round to nearest year):  
\_\_\_\_\_
- If less than 1 year, then how many months?  
\_\_\_\_\_

19. (follow-up19) Which of the following describes you? (choose all that apply)

- Elected official
- Appointed official
- Private business person or representative
- Non-profit or quasi-governmental entity representative
- Local government employee
- State government employee
- Federal government employee
- Academic/Professor/Researcher
- Other (please specify) \_\_\_\_\_

20. (follow-up20) What is your gender?

- Male
- Female
- Other

## Thank You!

You are finished with the survey. We very much appreciate your willingness to share your perspectives.

The researchers would like to gain a deeper understanding of the varied perspectives on the questions and answers in this survey.

### **Would you be willing to be contacted to answer a few questions about your responses to this survey?**

Interviews can be conducted by phone (10-15 minute phone call) and at a time convenient to you.

If you are willing to be contacted, please complete the following. Alternatively, you can email your contact information to [lpytlikz@nebraska.edu](mailto:lpytlikz@nebraska.edu).

**Please note:** Your identity will be kept confidential under all circumstances. A summary of this research will include findings without identifying any individuals involved in answering survey or interview questions.

Name:

Email:

Phone number:

If you do not wish to volunteer you may leave the form blank.

# THIRA FOLLOW-UP INTERVIEW PROTOCOL

## Follow-up Interviews

Of persons at workshop (attendees, 10-15 min), and their co-workers (non-attendees, 5-10 min)

*Note: This script presumes that we have already scheduled an interview with each person.*

Hello, is this: \_\_\_\_\_ ?

[If no, ask if \_\_\_\_\_ is available, and/or if there is a good time to call back \_\_\_\_\_]

[if yes, go on below]

My name is \_\_\_\_\_, and I am from the Public Policy Center. I am calling today because you agreed to do a short interview related to collaborative planning for hazards. Is now still a good time?

[If no, ask if there is a good time to call back \_\_\_\_\_]

[If yes, go on below]

Great. The interview is being conducted as part of the project “Drought planning using community threat and hazard identification and risk assessment.” The project is funded by NOAA and the interview concerns how you and your organization collaborates with others when it comes to planning for hazards. Hazards can include natural hazards such as hurricanes, droughts, and pandemics; technological hazards such as dam failures or chemical spills; or human incidents such as biological or cyberattacks. This interview should take no more than 15 minutes and your answers will be kept anonymous and your identity will be confidential. Our results will be presented in summary form in reports and publications, but no individuals will be identified. Do you consent to participate and to be recorded?

[If no: Ok. Thank you for your time, and if you have any future questions about this research, you can contact the Public Policy Center at 402-472-5678. You can also read more about the project at [droughtthira.unl.edu](http://droughtthira.unl.edu).]

[If yes, continue, below]

### **Ask both Attendees and Non-Attendees**

1. (interview01) Think about an entity that you or your organization collaborates well with in planning for hazards. Are you able to think of such an entity?

[If no, let them know they can take their time. If still, no, then skip these questions]

[If yes, continue with a. and b.]

- a. What is that entity?
- b. What are the reasons for collaborating with that entity, or what enables effective collaboration?

2. (interview02) Now think about an entity that you or your organization might collaborate with in planning for hazards but do not collaborate with, or only collaborates with only very minimally. Are you able to think of such an entity?  
[If no, let them know they can take their time. If still, no, then skip these questions]  
[If yes, continue with a. and b.]
  - a. What is that entity?
  - b. What are the reasons for not collaborating more with that entity, or what prevents collaboration?

### **Screening Questions prior to next questions**

1. (interview-screen) Did you participate in the Drought THIRA planning workshop in April 2017?
  - a. If yes, go to attendee questions
  - b. If no, ask: Have you ever been to or taken part in a THIRA process?
    - i. If yes:
      1. Ask: What was the focus of the THIRA process in which you participated?
      2. Then go on to ask the THIRA attendee questions, but about their focal topic
    - c. If no, stop and thank them for their time:  
Thank you for your time answering our questions. We really appreciate your responses, which will be kept anonymous and summarized in our reports without identifying any individuals offering responses. If you have any questions in the future about this survey or our project, you can call the Public Policy Center at 402-472-5678, or see our project web page at [droughtthira.unl.edu](http://droughtthira.unl.edu).

### **Attendees only Questions**

3. (interview03) What were the most successful aspects or benefits of the THIRA workshop in which you participated?
4. (interview04) In what ways could the THIRA workshop in which you participated be improved?
  - a. Follow up: Are there ways in which to change it to enhance its benefits for planning for hazards? For increasing collaboration among different entities?
  - b. Follow up: In our survey results, we noticed that certain groups of people became more trusted, while other groups of people became less trusted. Did you have any experiences or notice any interactions that might have impacted trust in groups in attendance?
    - i. Follow up: In particular, do you recall any interactions in your small groups with emergency managers that may have impacted trust in emergency managers?
5. (interview05) How much do you feel the THIRA workshop impacted your planning or your organization's future planning for and decision-making about the hazards discussed during the THIRA workshop? Do you feel it had no impact, a slight impact, a moderate impact, or a strong impact on you/your organization's planning for and decision making about those hazards?
  - a. Follow up:
    - i. Are you referring to/rating your planning, your organization's planning, or both?
    - ii. If there were any impacts on planning, what were those impacts?
    - iii. If there were any impacts on decision making, what were those impacts?



- iv. Why do you think the workshop did or did not impact your/your organization's planning and decision making?

When finished: Thank you for your time answering our questions. We really appreciate your responses, which will be kept anonymous and summarized in our reports without identifying any individuals offering responses. If you have any questions in the future about this survey or our project, you can call the Public Policy Center at 402-472-5678, or see our project web page at [droughtthira.unl.edu](http://droughtthira.unl.edu).

# THIRA Key Stakeholder FOCUS GROUP PROTOCOL

**IRB Number #** 20160716299 EX

**Study Title:** Drought Planning Using Community Threat and Hazard Identification and Risk Assessment (THIRA)

## **What is the reason for doing this research study?**

The purpose of this study, conducted by University of Nebraska researchers, is to gather opinions about hazards, especially drought hazards, and planning for such hazards. The specific purpose of the focus group is to obtain the viewpoints of relevant individuals (e.g., the advisory committee and/or others familiar with the THIRA process used) on processes and tools that worked well or might be improved for future THIRA engagements around drought.

In order to participate you must be 19 years of age or older and be a member of an organization represented in our advisory group or that was invited to send representatives to an April 2017 THIRA workshop.

## **What will be done during this research study?**

Participation in the focus group for this study will require up to 45 minutes. You will be asked to give your opinions and perceptions of how well the THIRA processes worked for planning for drought, and usefulness of materials in the toolkit. Participation will take place face-to-face in person at the Public Policy Center or via Zoom online software if preferred by participants.

During the focus group you will be asked about your perceptions of the THIRA processes used, the toolkit created, and reasoning related to your answers in the context of the focus group.

## **What are the possible risks of being in this research study?**

There are no known risks or discomforts associated with this research.

## **What are the possible benefits to you?**

The results of this study will be used to improve drought planning procedures.

## **How will information about you be protected?**

Your responses given during the focus group will be kept anonymous. The identity of all focus group participants will be kept confidential. Notes from the focus group will be kept on a secure password-protected server that is only accessible to approved project researchers. Upon completion of reporting, the data will be de-identified so that it cannot be traced to individuals. Summaries of this research may include conference proceedings and journal articles that include findings without identifying any individuals involved in answering focus group questions.

## **What are your rights as a research subject?**

You may ask any questions concerning this research and have those questions answered before agreeing to participate in or during the study.

For study related questions, please contact the investigator(s):

- Denise Bulling, [dbulling@nebraska.edu](mailto:dbulling@nebraska.edu)
- Lisa PytlikZillig, [lpytlikz@nebraska.edu](mailto:lpytlikz@nebraska.edu)

For questions concerning your rights or complaints about the research contact the Institutional Review Board (IRB):

- Phone: 1(402)472-6965
- Email: [irb@unl.edu](mailto:irb@unl.edu)

**What will happen if you decide not to be in this research study or decide to stop participating once you start?**

You can decide not to be in this research study, or you can stop being in this research study (“withdraw”) at any time before, during, or after the research begins for any reason. Deciding not to be in this research study or deciding to withdraw will not affect your relationship with the investigator or with the University of Nebraska-Lincoln. You will not lose any benefits to which you are entitled.

***Documentation of Informed Consent***

You are voluntarily making a decision whether or not to participate in this research study. By participating in the focus group, your consent to participate is implied and any answers you provide during the focus group will be analyzed as part of the study.

If you would like to provide information to the researchers and have it NOT analyzed and reported for this study, you may talk with the researchers after the focus group or via other means (e.g., email, phone) at a time other than the focus group.

You may keep this copy of this information for your records.

## **Drought Planning Using Community Threat and Hazard Identification and Risk Assessment (THIRA) FOCUS GROUP**

The following procedures will be used at the end of the meeting in order to allow anyone who does not want to participate in the focus group to leave the meeting early.

Consent script: [Use consent form for script, covering each point in the form]

Semi-structured Focus group questions and follow-up prompts

1. (focus01) **What were the strengths of the processes used for planning, executing, and reporting on the THIRA processes used for drought?**
  - i. Probe for any strengths specific to
    1. Planning (prior preparation, materials)
    2. Executing (day of event, processes, materials)
    3. Reporting
  - ii. Do you have suggestions for building upon these strengths for future events?
2. (focus02) **What were the weaknesses of the processes used for planning, executing, and reporting on the THIRA processes used for drought?**
  - i. Probe for any weaknesses specific to
    1. Planning (prior preparation, materials)
    2. Executing (day of event, processes, materials)
    3. Reporting
  - ii. Do you have suggestions for improving on these weaknesses for future events?
3. (focus03) **What are the strengths of the toolkit?**
  - i. Probe for any strengths specific to
    1. Materials preparation, Design of processes, Evaluation
  - ii. Do you have suggestions for building upon these strengths?
4. (focus04) **What challenges do you anticipate when using the toolkit for future events?**
  - i. Probe for any weaknesses specific to
    1. Materials preparation, Design of processes, Evaluation
  - ii. Do you have suggestions for meeting these challenges?
5. (focus05) **What do you think will be the impacts of the products of this project (including the toolkit, and the capability statements)**
  - i. E.g., impacts on decision making by agencies and policy makers? On collaboration?
  - ii. Positive and negative impacts? How might the positive impacts be maximized and negative impacts minimized?
6. (focus06) **Is there anything else, or any other comments/suggestions you would like to discuss?**