

NPS-Stanford Climate Security Fellowship
December Session: Climate Change Science & Climate Security
01 Dec 2023 / 1230-1400 PT

Speaker: Tom Murphree (murphree@nps.edu)
Meeting POC: Kristen Fletcher (kristen.fletcher@nps.edu)

Via Zoom at: <https://nps-edu.zoomgov.com/j/1615123262>
Passcode: @Climate23 / Meeting ID: 161 512 3262

A. Pre-Meeting Readings

Prior to the meeting, please read the following documents, which are linked below and will be posted to the website prior to the meeting.

- UN Development Programme: [What is climate security and why is it important?](#)

And, one or both of the following:

- [IPCC Policy Summary \(6th Assessment Report\)](#), pages 3-11
- [5th National Climate Assessment Overview](#), pages 5–22

Additional Resources include:

- [Achieving Climate Security, U.S. Institute of Peace](#)
- [5th National Climate Assessment Report-in-Brief](#)

For each reading, please consider the following topics:

1. The major scientific concepts underlying human-induced climate change and its impacts
2. The processes by which climate change leads to security impacts (e.g., physical, biological, and societal processes)
3. The major security categories for which climate change has or is likely to have large impacts

If you have questions about the climate change science parts of the above readings (or any other readings), please submit them to Tom before the meeting: murphree@nps.edu

B. Agenda

1. 1230-1300: Tom will present an overview of climate change science and climate change impacts on security followed by a short question and discussion period.
2. 1300-1330: In three breakout groups, the participants will discuss climate change impacts on security, with faculty members roaming among the groups.
3. 1330-1400: Each group will present their results to the whole group, with discussion by the whole group.

C. Breakout Group Assignment

In each group:

1. Discuss the implications of CC for one of the security categories listed below. Define the category as you see fit. Also choose the geographic region, time period, and other aspects of your discussion as you see fit.
2. Address one or more of the questions listed below for your chosen security category.
3. Write down the results from your group's discussion.
4. Present and discuss your results with the whole group.
5. Modify your written results based on the large group discussion.
6. Share your modified results in a document (emailed to Kristen) for posting online, and for use in future meetings and projects.

Security categories (Please define the category as you see fit):

1. Water security
2. Food security
3. Housing security
4. Health security
5. Energy security
6. Economic / Financial security
7. Environmental / Natural infrastructure security
8. Human-built infrastructure security (e.g., buildings, transportation structures, utilities, ...)
9. Public safety security (the security issues that are dealt with by fire depts, police depts, emergency management, and related organizations)
10. International relations security (the security issues that are dealt with by foreign affairs, military, intelligence, and related organizations)
11. A category of your choosing

Questions to consider:

1. What aspects of climate change have the most significant impacts on your security category?
2. What are the main physical, biological, societal, or other processes that lead to these security impacts?
3. What are some of the main approaches we should consider using in planning and implementing our responses to these impacts?
4. How are the impacts on your security category affected by climate change impacts on other security categories?
5. How might improved understanding of the impacts of climate change on your security category help in understanding the impacts on other security categories?
6. There are uncertainties about how climate change will evolve and impact different security categories. What are some of the major uncertainties about those impacts for your security category? How should those uncertainties be addressed when deciding how to respond to climate change and its security impacts?