



# NPS Climate Security Research: Potential Future Contributions

## AT A GLANCE

### WHAT IS IT?

Climate change substantially alters political, human, and national stability. From economics to social sciences to engineering, a holistic approach is needed to address the myriad facets of these challenges.

### WHY DOES IT MATTER?

Climate change will continue to be a threat to national security, preventing the Department of the Navy from meeting its mission. Approaching these problems with multidisciplinary research expertise can offer more long-term and effective solutions.

### WHAT IS NPS' ROLE?

While NPS is conducting climate research in many areas, it has additional areas of expertise that can be applied to climate change in the future. From budget and acquisition to technology and resilience, NPS and the Climate and Security Network can contribute in more holistic ways as climate security evolves.

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NPS has areas of expertise that can contribute to a more holistic approach to solving climate security challenges.

**AI and Unmanned Systems:** NPS has expertise in AI and Unmanned Systems (UxS) which intersect with climate security challenges. Analysis includes UxS' contribution to greenhouse gas emissions, how AI can make UxS more energy efficient or adaptable to changing environments, and how UxS may help meet climate challenges through data gathering, monitoring, and operations that can reduce climate impacts on crewed vessels.

**Budget and Acquisition Research:** NPS research can integrate climate considerations into the budget and acquisition process by identifying decision-points in budget and acquisition that impact climate later and integrating climate considerations at more effective points in budget and acquisition process.



**Health and Community Resilience:** NPS researchers can contribute to the understanding of climate impacts on installation communities and families of service members while also informing DoN and DoD policies on supporting mental health resiliency and quality of life in the face of climate change.

**Behavior Change:** With experience in analyzing behavior change, NPS researchers can contribute to one of the most challenging climate issues: the culture shift needed within the DoN and DoD to integrate climate considerations into planning and operations. Through a systems and behavioral approach, researchers can analyze behaviors within the climate change context and create frameworks for action.