



CLIMATE & SECURITY EDUCATION AND CURRICULUM

Advancing Climate Literacy

AT A GLANCE

WHAT IS IT?

Climate and security education ensures interdisciplinary learning about climate change and improving climate-informed decision making. Superiority relies on our understanding of the changing climate.

WHY DOES IT MATTER?

Educating the force on climate security ensures an understanding of climate change and decision-making in the face of it. Educating for climate readiness equals military readiness, ensuring that our forces are prepared to adapt to climate instability.

WHAT IS NPS' ROLE?

NPS has a leading role in educating officers and future leaders to ensure a climate literate force. The Climate and Security Network advances climate curricula across campus with Meteorology, Oceanography, National Security Affairs, Operations Research, Defense Management, Engineering and Energy.

POINTS OF CONTACT:

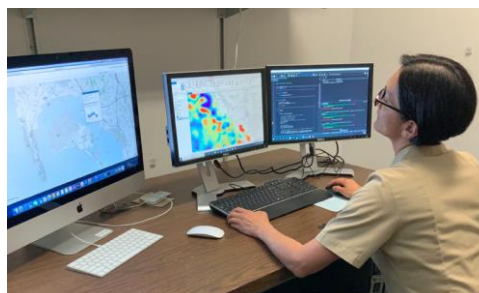
Ms. Kristen Fletcher
Lead, Climate & Security Network
Energy Academic Group
kristen.fletcher@nps.edu

Dr. Emily Pesicka
Center for Infrastructure Defense
Operations Research
emily.esicka@nps.edu



NPS ensures sustainment of climate literacy from the classroom to the force by incorporating climate curricula into the following educational efforts.

- **Advancing Climate-Informed Decision-Making:** As the Navy's postgraduate education and research institution, NPS has a lead role in meeting the climate literacy goals under the DoN climate strategy, *Climate Action 2030*. NPS is represented on the Strategy's Climate Literacy Working Group to improve climate-informed decisions throughout the enterprise.
- **Climate Knowledge and Education Across Diverse Curricula:** As part of its core educational mission, NPS develops climate literacy and competencies so that students can analyze potential vulnerabilities and recommend solutions to climate challenges. NPS integrates climate knowledge and climate threats across diverse curricula to better assess climate impacts.
- **Thesis, Capstone and Professional Opportunities:** As part of their education, NPS students conduct thesis or capstone research, incorporating complex challenges like climate change into their work. Students also take part in climate and security opportunities such as CSN briefings and panels, fellowships and professional development.
- **Partnerships to Bolster Climate Literacy:** NPS has a lead role in the Naval Education Enterprise Climate Collaboration which includes the DoN's 5 educational institutions and NPS has co-hosted 3 Combined Naval Addresses on Climate, Energy and Environment. NPS advances climate literacy by sharing curricula, joint courses and research projects, and fostering collaborative networking opportunities with DOD and civilian institutions.
- **Climate Simulations for Complex War Situations:** NPS' wargaming capability builds analytical, strategic, and decision-making skills. These exercises incorporate climate change to enable participants to shape defense plans and policies for various commands and agencies, alternate futures and consequence management.



An NPS student explores the implications of possible sea-level rise on Naval Base San Diego through an analysis of tidal fluctuation based on years of collected data.