



DEVELOP FOR ACTIVE DUTY

NASA's Applied Sciences' Capacity Building DEVELOP National Program



Personal & professional
development



Leadership experience with a
reputable civilian organization



Experience on an interdisciplinary
project team with real-world impact

What is DEVELOP?

DEVELOP addresses environmental and public policy issues through interdisciplinary research projects that apply the lens of NASA Earth observations to community concerns around the globe. Bridging the gap between NASA Earth Science and society, DEVELOP builds capacity in both participants and partner organizations to better prepare them to address the challenges that face our society and future generations.

DEVELOP provides the opportunity for service members to integrate with civilians on applied research project teams. These teams partner with decision makers to conduct rapid feasibility projects that highlight relevant applications of Earth observing missions, cultivate advanced skills, and increase understanding of NASA Earth science data and technology.

About Projects

DEVELOP projects apply Earth observations and remote-sensing technology to application areas that highlight NASA Earth observation capabilities relative to environmental issues for enhanced policy and decision making. These areas include:



Health &
Air Quality



Disasters



Water
Resources



Energy



Transportation &
Infrastructure



Urban
Development



Ecological
Forecasting



Agriculture

How to Apply

Service members must have an interest in Earth science and obtain permission from their Non-Commissioned Officer in Charge. Applicants must have a minimum 3.0 GPA on a 4.0 scale at their current or last institution of higher learning and the ability to transport themselves to and from the DEVELOP location. Interested applicants should contact their Active Duty Ambassador or email DEVELOP directly at NASA-DL-DEVELOP@mail.nasa.gov to obtain an application.

Have Questions?

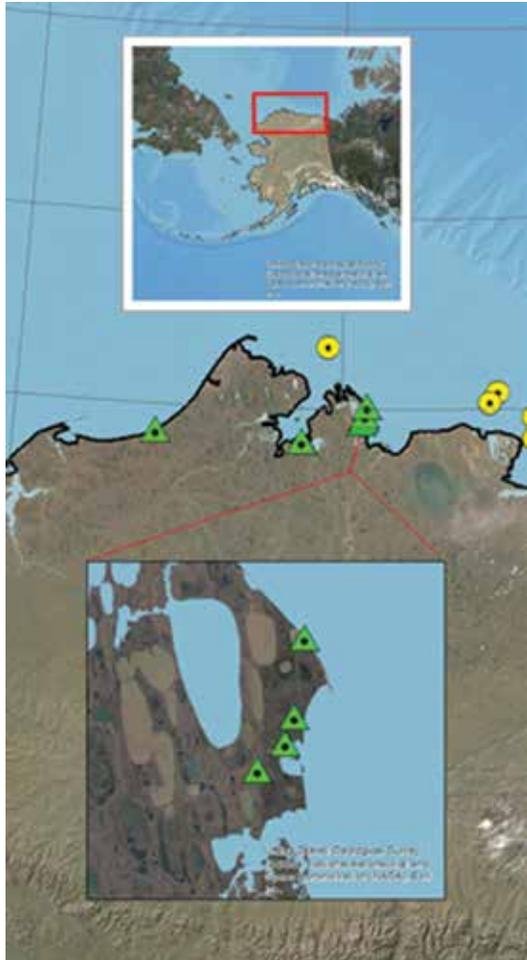
Please contact us with any questions about the program at NASA-DL-DEVELOP@mail.nasa.gov.

Scan to Check
Term Dates
& Deadlines



DEVELOP

SCIENCE SERVING SOCIETY



Recent Project Example Alaska Disasters

Sea ice is rapidly decreasing in the Arctic, encouraging a surge in maritime transportation and energy exploration in the region. This increase in traffic, combined with challenges unique to an Arctic environment, escalates the risk of an oil spill and adds complexity to monitoring abilities. In addition to human activity, a significant amount of oil enters the marine environment through natural oil seeps. The U.S. Coast Guard (USCG) is the lead response agency for oil spills in U.S. coastal waters and monitors natural

oil seeps in order to rule out anthropogenic sources. DEVELOP applied NASA Earth observations from Aqua, Terra, and Landsat 8, as well as radar data from the European Space Agency platform, Sentinel-1, to improve datasets and methods available to the USCG to improve strategic oil spill response planning for the northern coast of Alaska. The resultant dataset was injected into the interactive Arctic Emergency Response Management Application to facilitate fast visualization and coordination for emergency responders.

"As I was transitioning out of the military, I knew that it was important for me to work alongside environmental managers and researchers engaged in the field in order to smooth my transition from the military to the scientific community."

Amy Ferguson
Alaska Disasters Team Participant &
Coast Guard Veteran

 Natural Oil Seeps  Exploration Wells

CURRENT LOCATIONS

Interested? Apply to participate at one of the DEVELOP locations. For more information on eligibility and a full list of locations, visit us online at <https://develop.larc.nasa.gov>.

