



# DEVELOP YOUR CAREER

with NASA's Applied Sciences' Capacity Building  
**DEVELOP National Program**



Enhance technical and  
professional skills



Explore NASA Earth  
observation capabilities



Gain research and scientific  
communication experience

## 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.

Teams of DEVELOP participants 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



Food Security  
& Agriculture

## How to Apply

Anyone 18 and over, who is interested in pursuing experience in the Earth sciences and remote sensing, is welcome to apply. This includes currently enrolled students, recent college graduates, early and transitioning career professionals, and current and former U.S. Military service members. Applicants must have a minimum 3.0 GPA on a 4.0 scale at their current or last institution of higher learning and transportation to and from the DEVELOP location. Apply online at <https://develop.larc.nasa.gov/apply.php>.

## Have Questions?

Please contact us with any questions about the program at [NASA-DL-DEVELOP@mail.nasa.gov](mailto:NASA-DL-DEVELOP@mail.nasa.gov).



# DEVELOP

## SCIENCE SERVING SOCIETY

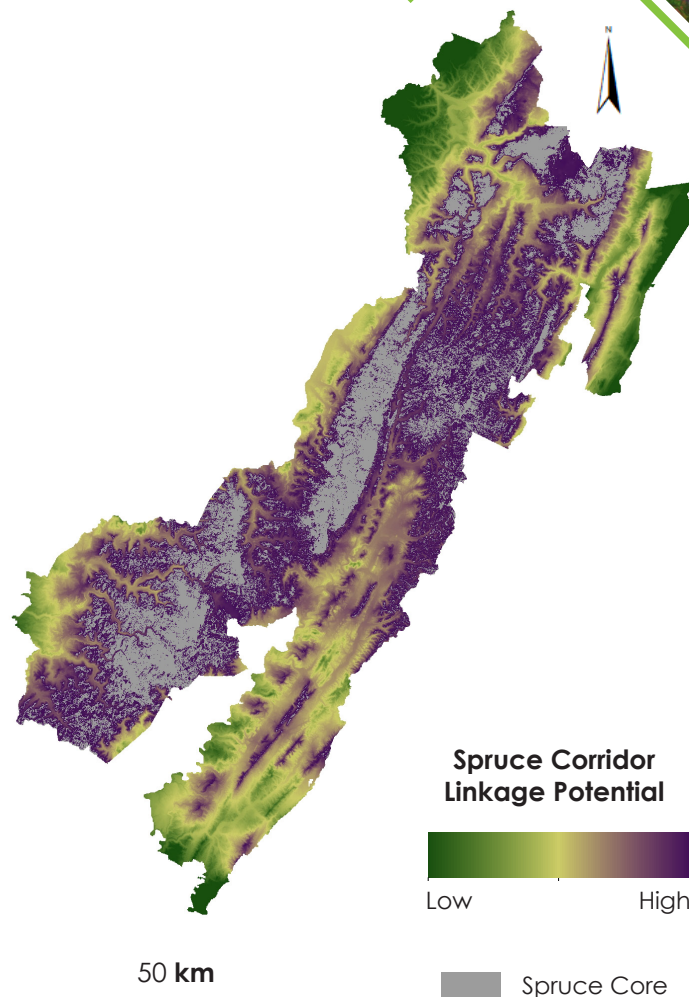
### Project Example

## Monongahela National Forest Ecological Forecasting

Within the Monongahela National Forest of West Virginia, extensive logging and mining practices have significantly altered forest ecosystem structure and composition over the past two centuries. The US Forest Service is interested in restoring red spruce (*Picea rubens*) stands, which provide shelter and food to several endangered and threatened species. This project used satellite data to assess trends in the factors contributing to forest regrowth and fragmentation, such as precipitation and temperature. The team also modeled land change to forecast forest regeneration to 2040, allowing forest managers to examine specific management scenarios. The results will be used to advance forest regrowth monitoring and inform the allocation of restoration efforts to improve red spruce habitat connectivity.

*"The commitment from the participants and the excitement they put forth is great. There are so many short term projects we could do together that would benefit the Forest Service, the participants, and the program."*

--- Stephanie Connolly, USFS Monongahela National Forest



## 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>.

[www.nasa.gov](http://www.nasa.gov)  
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