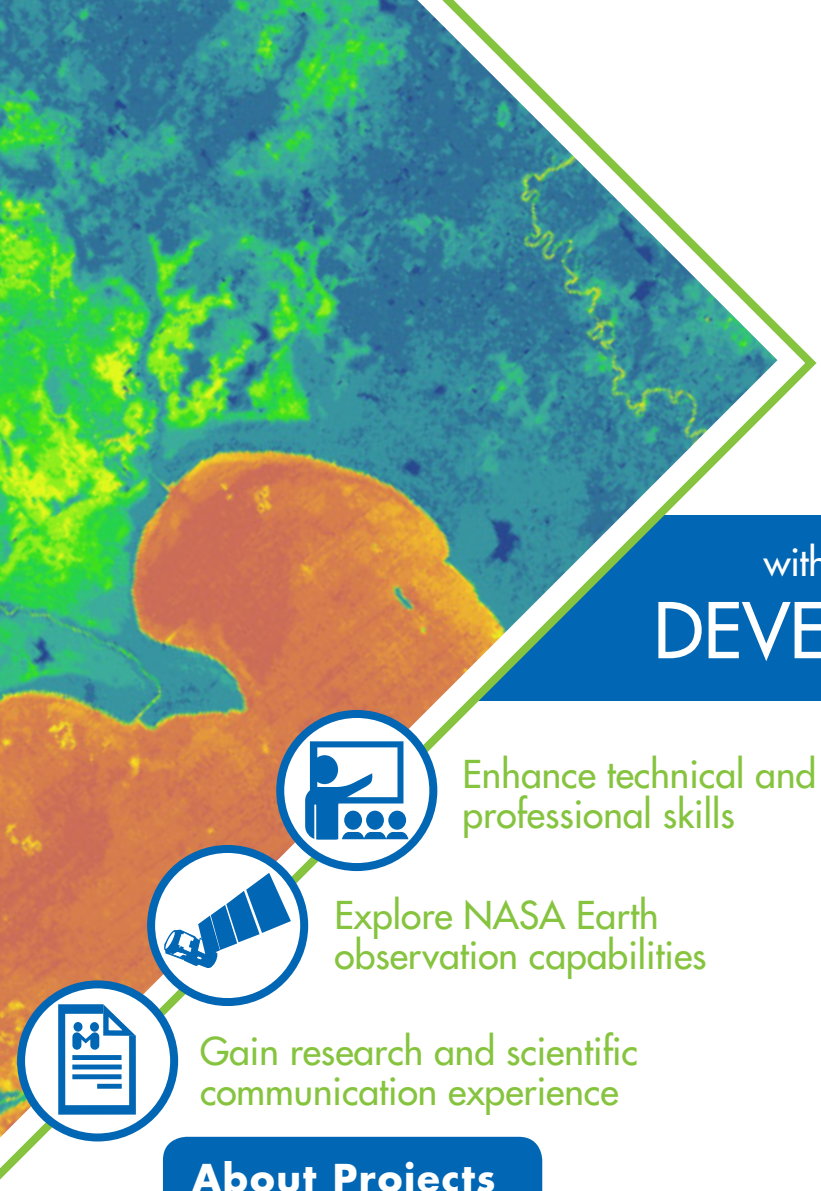


National Aeronautics and Space Administration

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?

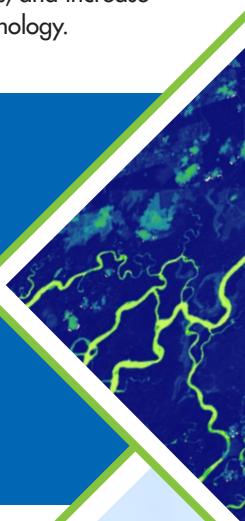
DEVELOP addresses environmental and public policy issues through interdisciplinary research projects that apply the lens of NASA Earth observations to community concerns around the globe. Bridging the gap between NASA Earth science and society, DEVELOP builds capacity in both participants and partner 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
- Agriculture & Food Security



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.

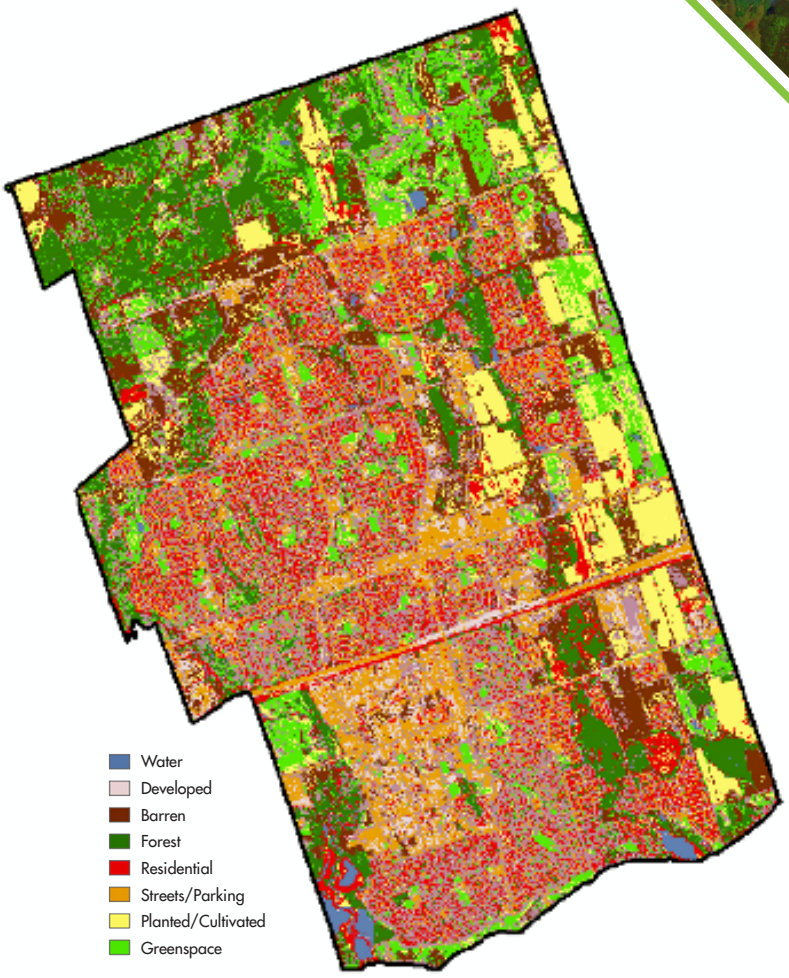
DEVELOP

SCIENCE SERVING SOCIETY

Project Example

Ajax Urban Development

Urban forestry is a primary heat mitigation strategy for many municipalities. The town of Ajax, Ontario is seeking to improve its urban forestry management strategies to expand the ecosystem services provided to residents and ensure the resiliency of its forests. This project assessed the spatial distribution of urban green infrastructure, compared it with patterns in social vulnerability indicators, and quantified the influence of climatic variables on tree stress. A case study analysis at the neighborhood scale used satellite imagery to examine the effect of tree species, tree placement, and tree orientation on thermal comfort. The results will be used to guide urban forestry management and provide city planners with tools needed to plan for the predicted increase in extreme heat events and mitigation of the effects on the community.

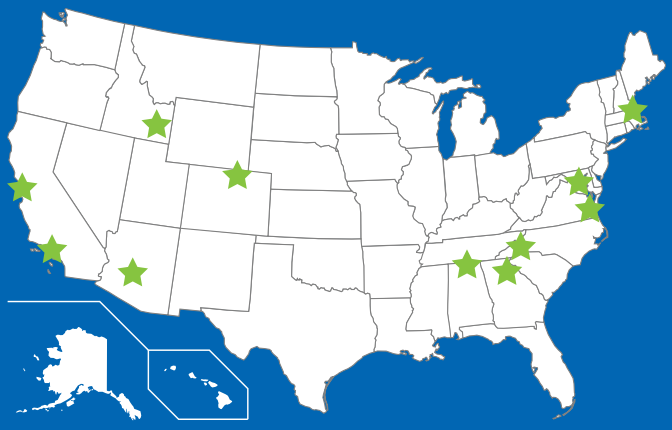


"The time, support, and expertise that the team dedicated to this research will have a lasting impact on helping us to shape Ajax's climate adaptation efforts, prioritize actions, and help ensure impacts climate change are minimized within our community."

--- Jade Schofield, Operations & Environmental Services, Town of Ajax

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.



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