

NASA DEVELOP – 2024 Fall Proposed Project List (v3. May 17, 2024)

NOTE: These project ideas are **tentative** and **subject to change**. This list may be updated throughout the application period.

Not all DEVELOP locations will host projects for the fall 2024 term. The DEVELOP fall 2024 term will offer opportunities for in-person or virtual participation, by project. The work environment of the opportunity will be dependent on the project and DEVELOP location. Each location will conduct 1-2 projects for the fall 2024 term.

When selecting your preferred location(s), please pay attention to the type of opportunity selected based on the location and project offers on this document and how that aligns with your eligibility. **Only DEVELOP locations on the application and this list will host projects for the fall 2024 term.**

In-Person Project Opportunities

Federal Locations (Requires U.S. Citizenship)	# of Projects
AL – Marshall (Huntsville, AL)	1
CA – Ames (Mountain View, CA)	1
CA – JPL (Pasadena, CA)	1
MD – Goddard (Greenbelt, MD)	1
VA – Langley (Hampton, VA)	2
Regional Locations (Open to U.S. Citizens & Non-U.S. Citizens)	
CO – Fort Collins (Fort Collins, CO)	1

Virtual Project Opportunities

Locations Hosting Virtual Projects (Open to U.S. Citizens & Non-U.S. Citizens)	# of Projects
CA – Ames	1
CA – JPL	1
CO – Fort Collins	1
MD – Goddard	1
VA – Langley	1

Notes: virtual projects are open to all candidates (US citizens and Foreign Nationals). Virtual projects continue to be **extremely** competitive.

Proposed Project List by DEVELOP Location

AL – Marshall

- ▶ **Northern Alabama Agriculture:** *Using NASA Earth Observations to Map Cover Crop Performance* ([in-person project](#))

CA – Ames

- ▶ **San Jose Urban Development:** *Quantifying Canopy Cover and Land Surface Temperature in San Jose to Identify Future Tree Planting Sites* ([in-person project](#))
- ▶ **Pennsylvania Water Resources:** *Assessing Acid Mine Drainage in Pennsylvania to Prioritize Areas for Reclamation* ([virtual project](#))

CA – JPL

- ▶ **Newhall Pass Ecological Conservation:** *Identifying Areas of Risk and Infestation of the Gold Spotted Oak Borer Beetle in Whitney Canyon and East Canyon Park* ([in-person project](#))
- ▶ **South Africa Ecological Conservation II:** *Identifying and Mapping Riparian Areas in South Africa with NASA Earth Observations* ([virtual project](#))

CO – Fort Collins

- ▶ **Moffat County Agriculture:** *Mapping Rangeland Vegetation Attributes to Inform Grazing Management in Moffat County* ([in-person project](#))
- ▶ **New Mexico Agriculture:** *Bolstering Rangeland Monitoring and Decision Making with NASA Earth Observations* ([virtual project](#))

MD – Goddard

- ▶ **Chesapeake Bay Water Resources:** *Applying NASA Earth Observations to Assess Spatial and Social Disparities in Water Quality and Pollution in the Chesapeake Bay* ([in-person project](#))
- ▶ **Illinois Ecological Conservation:** *Identifying Areas of Oak Decline and Death in Illinois Using NASA Earth Observations* ([virtual project](#))

VA – Langley

- ▶ **Hampton Roads Health & Air Quality II:** *Tracking Gaseous Pollutants using TEMPO and TROPOMI to Support Air Quality Monitoring in Hampton Roads Virginia* ([in-person project](#))
- ▶ **Chile Water Resources:** *Using Earth Observations to Enhance Flood Response* ([in-person project](#))
- ▶ **Buffalo National River Ecological Conservation:** *Delineating 100- and 500-year Floodplains to Aid in River Bank Management Across the Buffalo National River in Northern Arkansas* ([virtual project](#))