Additional NASA Research Tools and Resources

DEVELOP

DEVELOP, part of NASA's Applied Sciences Program, 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. With the competitive nature and growing societal role of science and technology in today's global workplace, DEVELOP is fostering an adept corps of tomorrow's scientists and leaders.

Additional Steps: University students work with an advisor on a 10-week applied Earth science feasibility project during one of three terms (spring, summer, winter).

Google Earth Engine

Earth Engine is a platform for petabyte-scale scientific analysis and visualization of geospatial datasets, both for public benefit and for business and government users.

Earth Engine stores satellite imagery, organizes it, and makes it available for the first time for global-scale data mining. The public data archive includes historical earth imagery going back more than forty years, and new imagery is collected every day. Earth Engine also provides APIs in JavaScript and Python, as well as other tools, to enable the analysis of large datasets.

Additional Steps: Cloud-based application that allows users with a registered account to leverage NASA EO for analysis. To get access to the advanced features of Earth Engine, please fill out the form at https://earthengine.google.com/signup. NASA is not accepting all applications, so please fill out all fields as best you can so they can evaluate your request for access.

NASA Applied Remote Sensing Training

The Applied Remote Sensing Training (ARSET) program builds the skills to acquire and use NASA satellite and model data for decision support. The program provides training via online webinars and in-person workshops. ARSET trainings are intended for policymakers, NGOs, and other applied science professionals seeking to incorporate NASA remote sensing into their daily activities.Trainings are available in the following areas: Disasters, Health & Air Quality, Land, Water Resources, and Wildfires All ARSET materials are free and available for you to use and adapt, as long as appropriate credit to the NASA ARSET program is given.

Additional Steps: ARSET trainings are grouped by application area. Under the tab, "Trainings", please select the topic of interest from the drop-down menu.

QGIS

This is the link for this free and open source GIS program. Create, edit, visualise, analyse and publish geospatial information on Windows, Mac, Linux, BSD

Regional Centre for Mapping of Resources for Development (RCMRD)
It is an inter-governmental organization that aims to promote sustainable development through generation, application and dissemination of Geo-Information and allied Information Communication Technology (ICT) services and products in the Member States and beyond.

Additional Steps: Under the tab, “Apps & Data”, please select “Apps Portal” or “Open Data Site”.

SERVIR Global
A joint development initiative of National Aeronautics and Space Administration (NASA) and United States Agency for International Development (USAID), SERVIR works in partnership with leading regional organizations world-wide to help developing countries use information provided by Earth observing satellites and geospatial technologies for managing climate risks and land use. We empower decision-makers with tools, products, and services to act locally on climate-sensitive issues such as disasters, agriculture, water, and ecosystems and land use.

Additional Steps: Under the tab, “Product Catalog” and “Data and Maps”, please select the topic of interest from the drop-down menu.