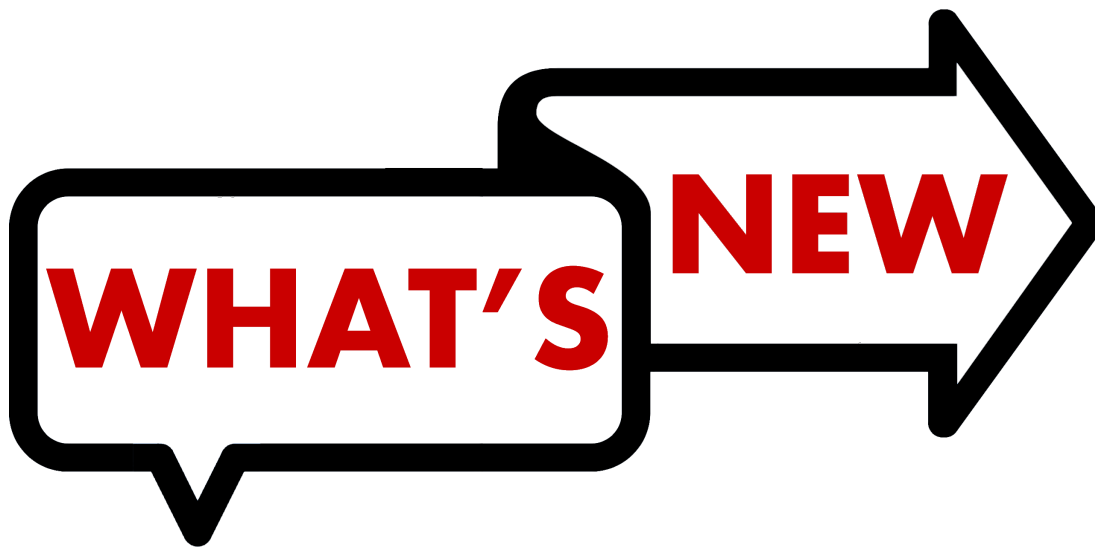

About My NASA Data



NASA offers petabytes of global Earth science data collected from satellites but accessing these data in a traditional science classroom can be tricky. After nearly 15 years of offering Earth science data to educators and students, NASA continues to refine the My NASA Data program to better suit the needs of teachers and students in engaging students in authentic data analysis.

Earth System Phenomena-driven approach: Check out the new and revised resources for exploring our Earth System from a phenomena-based perspective. Each season, MND will roll out a collection of resources focusing on a new set of Earth System phenomena. These include a phenomenon for the Atmosphere, Biosphere, Cryosphere, Geosphere, and the Hydrosphere. Additional resources are made available for investigating the Earth as a System using crosscutting concepts found in the NGSS.

Faceted Search Tool: Use this tool to quickly access the resources you need. This tool provides the ability to spot the most relevant content quickly. Users can search our collection of resources using a variety of search features such as the Three Dimensions of NGSS (Disciplinary Core Ideas, Science and Engineering Practices, Crosscutting Concepts), as well as other key indicators such as time, access to technology, etc.

Data Visualization Tool: The traditional Live Access Server that MND users have grown to love has also improved. The Earth System Data Explorer (our latest version of the LAS) provides datasets that are organized by spheres within the Earth System and largely reduced in number. MND listened to our users' feedback and we strive to give you only the datasets that are aligned with NGSS phenomena and provide the biggest opportunity for student inquiry.

Maps & Data: If you are short on time, grab our pre-generated graphs, mapped visualizations, animations, and processed data to support just-in-time learning. We provide the learner with the opportunity to explore phenomena with NASA data without being encumbered by the LAS visualization interface. Included in the *Maps & Data* are sets of questions for the teacher to guide student learning.

NGSS 3 Dimensional Lesson Plans and Activities: New and revised lessons that incorporate 3D correlations (i.e., Disciplinary Core Ideas, Science and Engineering Practices, Crosscutting Concepts) allow teachers to access and incorporate NASA data in their lessons without having to teach students spreadsheet skills, have 1:1 student/computer ratio, or rely on computers that may have outdated/incompatible software.

STEM Career Connections: This section helps students explore NASA STEM job profiles and get to know NASA professionals whose work supports NASA's goals of better understanding the Earth System. MND features scientists, technologists, engineers, and mathematicians who contribute to NASA missions.

GLOBE Connections: How do we extend the learning beyond our computer screens to our daily lives and the environment out of our school window? Great news! The award-winning international GLOBE Program: Global Learning and Observations to Benefit the Environment is now integrated with the MND program. MND now features GLOBE protocols and learning activities related to the targeted phenomena to get students out of their seats and engaged in data collection and science practices.

Tags

- [Lesson Plans](#)
- [Maps and Data](#)
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- [STEM Career Connections](#)

