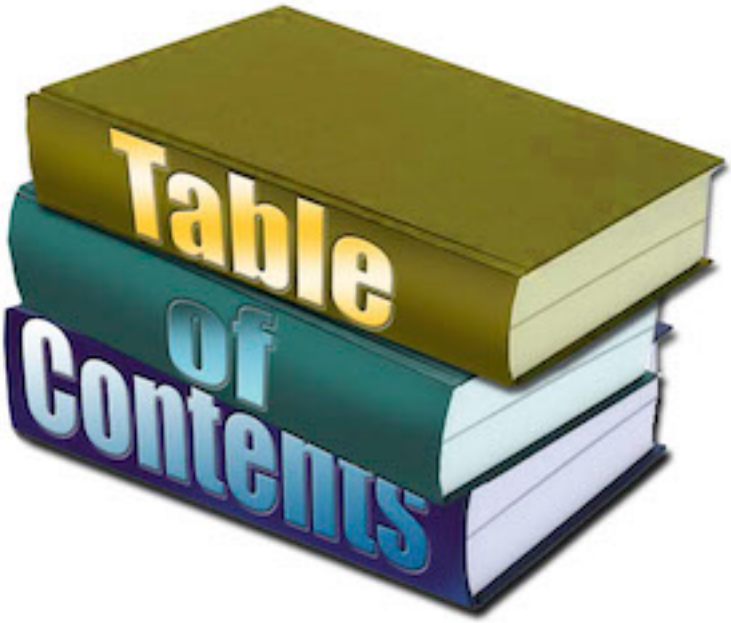
# About The Website




The My NASA Data website offers a variety of opportunities to explore Earth Science phenomena of the Atmosphere, Biosphere, Cryosphere, Geosphere, and Hydrosphere using uniquely NASA related content.

Are you looking for a more immersive way to get to know My NASA Data? Check out the Story Map and the Scavenger Hunt below:

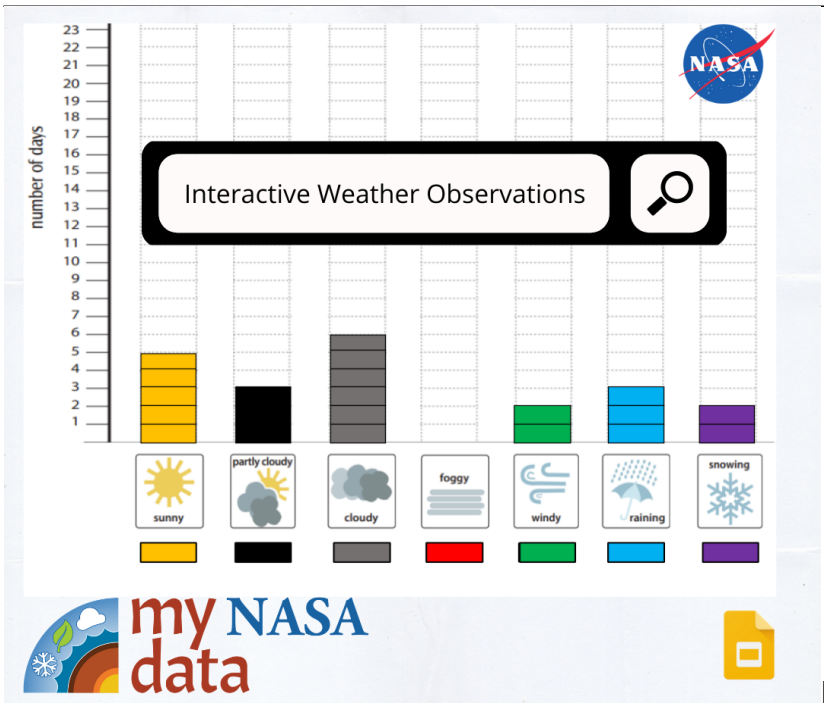
1. My NASA Data User Guide: Guided Tour - Link Here
2. My NASA Data Scavenger Hunt - Link Here

## My NASA Data features the following content types in each of the sphere pages:

### Mini Lessons (Student Activities)

See all Mini Lessons

These sections feature online resources to help teachers and students access NASA data in a variety of formats. MND offers pre-generated graphs, mapped visualizations, animations, and processed data based on NGSS phenomena, providing the learner with the opportunity to explore concepts without being encumbered by visualization interfaces.  These flexible resources provide guiding questions and other teacher tools so you can use them to open or close your class activity.

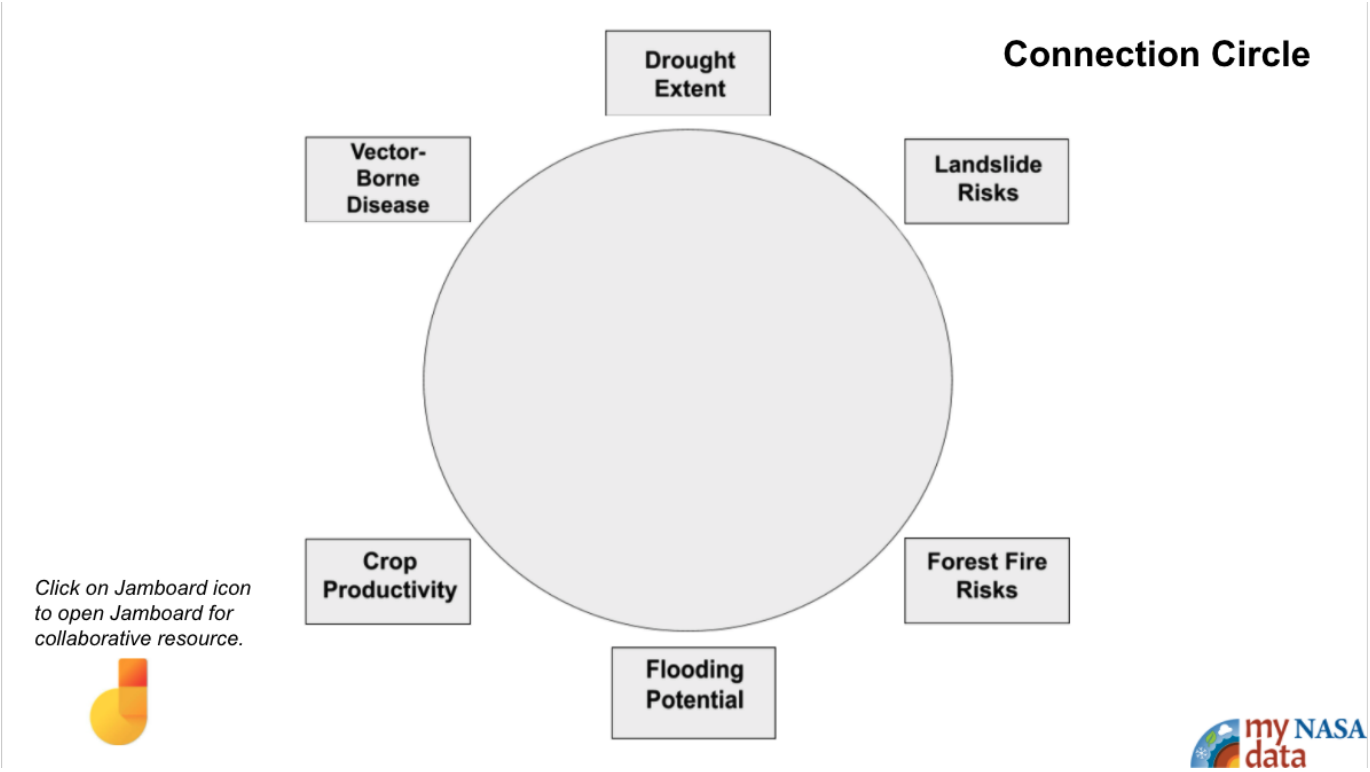


Example, Interactive Weather Observations

## Lesson Plans

[See all Lesson Plans]

Our lesson plans feature a variety of NASA and related lesson plans for grades 3-12 that align with NGSS Earth Systems phenomena that a focus on data collection and analysis.  Most of the lessons incorporate maps and data without having to teach students spreadsheet skills, have 1:1 student/computer ratio, or rely on computers that may have outdated/incompatible software.

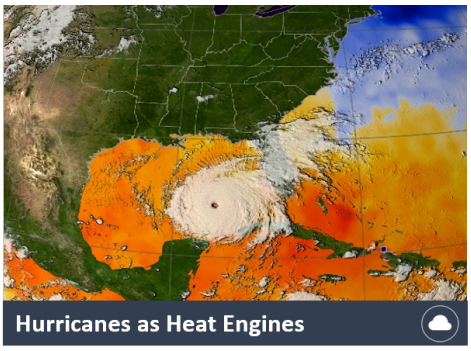


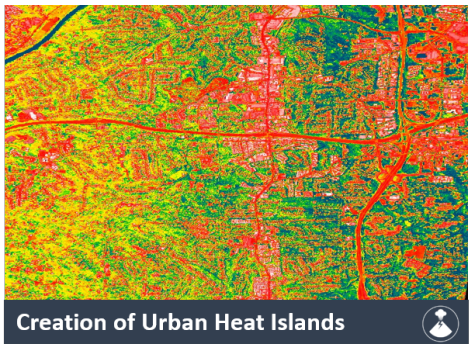
Example, Behavior Over Time: Analyzing Seasonal Soil and Air Properties

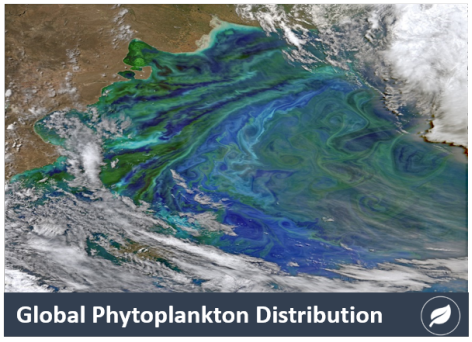
## Story Maps

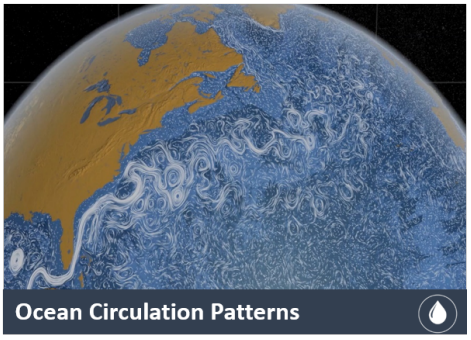
See all Story Maps

You will not want to miss our Story Maps for grades 3-12 that are immersive data-rich experiences that engage students in data models in a 5 E learning cycle.  These, too, are aligned with NGSS 3 Dimensions and Earth Systems phenomena that a focus on data collection and analysis.






Story Map Collection Topics

## STEM Career Connections

See all STEM Career Connections

My NASA Data (MND) offers resources to help students explore careers related to Earth Systems missions at NASA.  Students may review job profiles within the four disciplines of STEM (*Science, Technology, Engineering, and Mathematics*) aligned with projects in the Atmosphere, Biosphere, Cryosphere, Geosphere, and Hydrosphere and learn about real NASA employees who serve in those careers.  Information on work description, job significance to NASA Earth Science, salaries, educational requirements, and more are provided.

# Meet Lola Fatoyinbo, Research Scientist

## Job Title

research scientist

Example of a NASA scientist from NASA Goddard Space Flight Center

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**GLOBE Connections**

See all GLOBE Connections

These sections highlight related GLOBE data measurement protocols, activities, and resources that support the learning and exploration of featured phenomena of the Atmosphere, Biosphere, Cryosphere, Geosphere, and Hydrosphere...right in your backyard!

Global Learning and Observations to Benefit the Environment (GLOBE)

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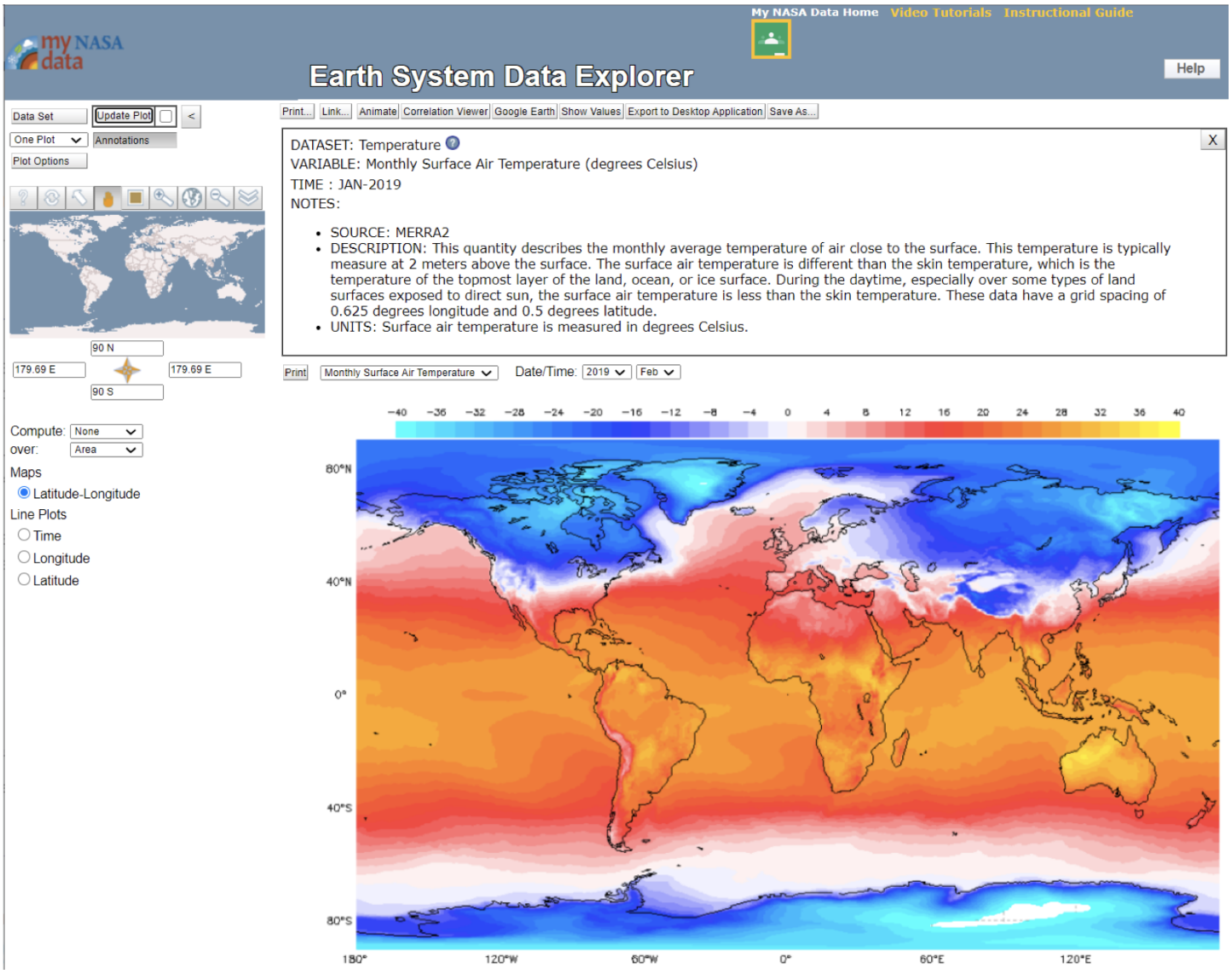
**Data Visualization: Earth System Data Explorer**

Link

Earth System Data Explorer is a visualization tool that allows users to interact with NASA Earth

Science satellite data.  This tool allows users to explore the data, create custom charts, graphs, and plots to help students visualize the data.




## Scientifically Interesting Stories

See all Scientifically Interesting Stories

Are you looking for resources to explicitly help students with the key steps involved in data analysis and interpretation of authentic NASA data? Consider using the Scientifically Interesting Story resources in your classroom today!

These Scientifically Interesting Stories includes a set of "tools" that teachers may use to address the science practice of *Data Analysis and Interpretation* all within the context of understanding the interactions of the Earth System.  These resources are flexible and adaptable and may be used in a variety of ways depending upon your classroom and instructional needs.

Each Scientifically Interesting Story includes the following:

- **Teacher Presentations** with annotated speaker notes so that you know what points to address with your students and why they are important to the "big picture.  (These are Google Slides that you can modify and adjust, as needed.)
- **Interactive Models** that help to engage students in the data

- **Instructional Videos** that model your walk through the data using key science practices by a NASA scientist
- Connections to our **data visualization tool** so that students can access the same data for a region and time period of interest to help them create their own "data story"

Example, Scientifically-Interesting Story of COVID-19 and the Earth System: Lesson Resources

**Related Resources**

Check out the rationale for developing and supporting My NASA Data since its inception in 2004 and access the unique education products generated by the larger MND Team.