



Manil Maskey, PhD
Brian Freitag, PhD
NASA MSFC
NASA SMD

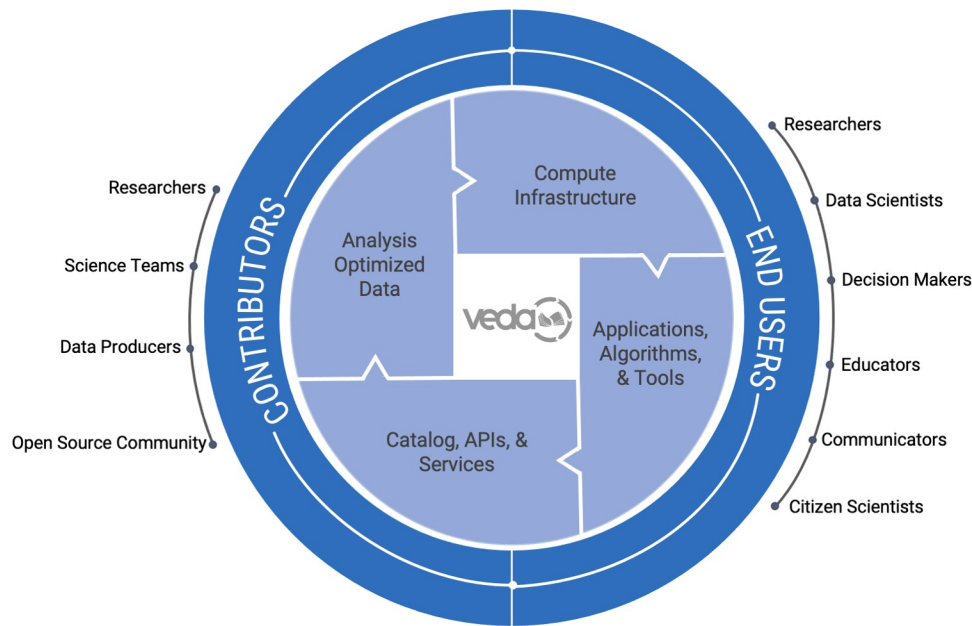
Visualization, Exploration, and Data Analysis

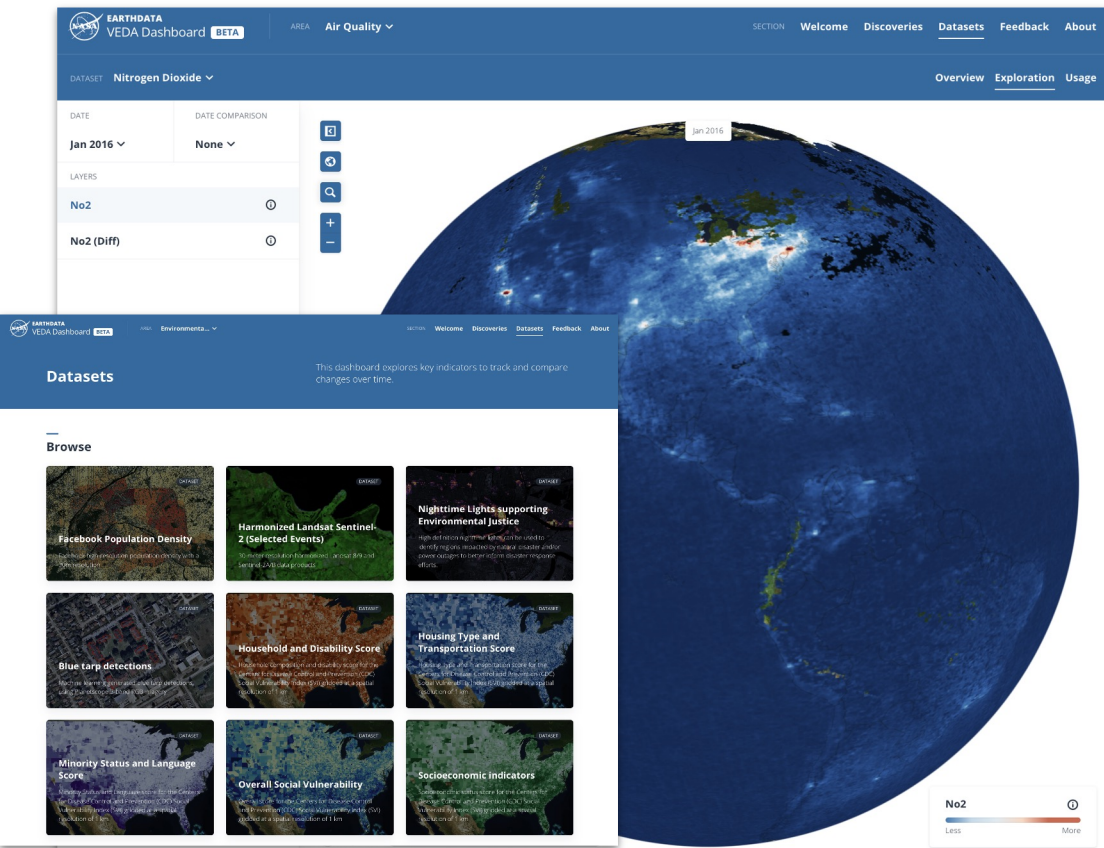
Why?

- Interdisciplinary science depends on large amount of Earth science data and computational resources
- Working with these datasets is non-trivial
- Big data science requires advanced distributed computing knowledge

What?

VEDA is an open platform that brings key Earth science datasets next to open source tools for data processing, analysis, visualization, and exploration in a managed and more accessible computing environment





Finding relevant data products

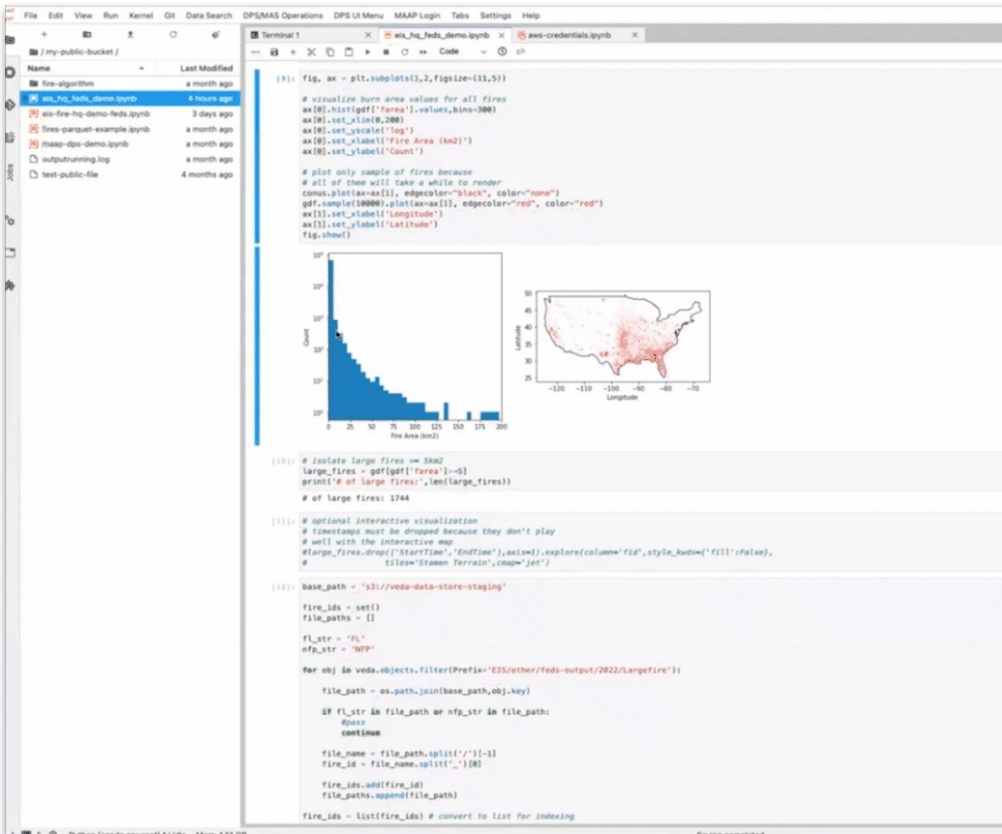
Exploring data to identify interesting features

Explore

Analyze

Publish

Communicate



Developing advanced data products and analysis

Carrying out calculations "in place" without the need to download data

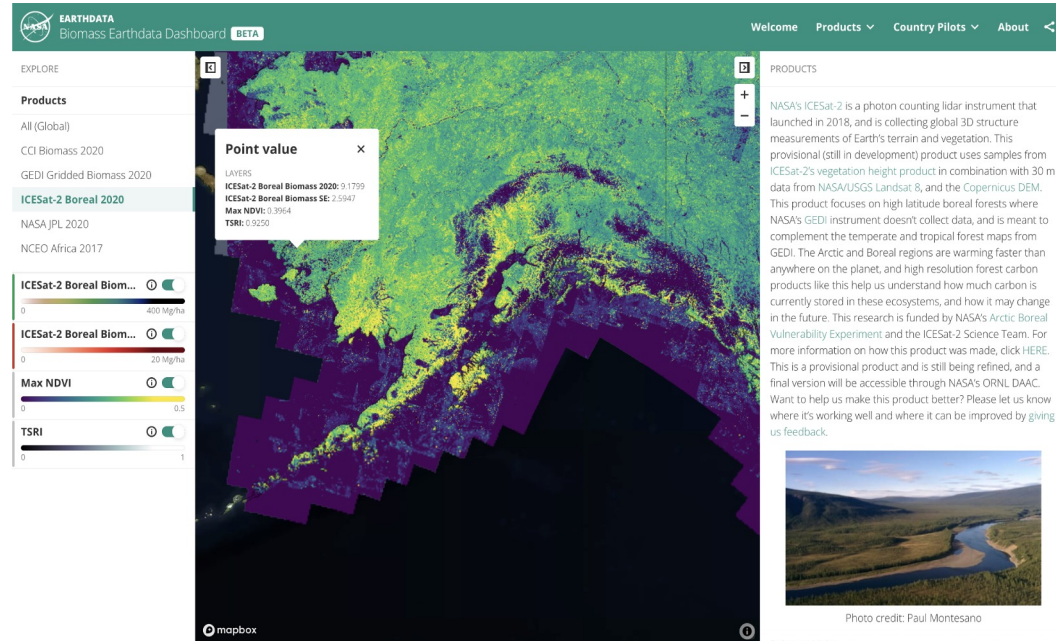
Dynamically allocating resources for computationally demanding processing

Explore

Analyze

Publish

Communicate



Conveniently delivering data through existing interfaces

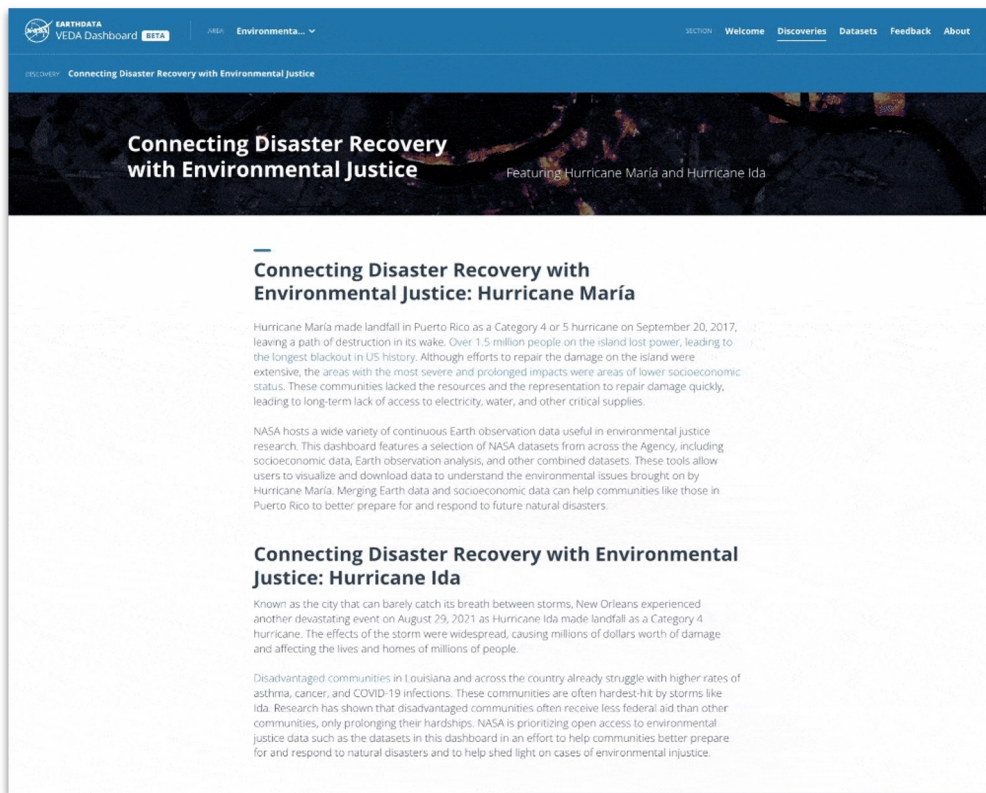
Providing automatic access to interactive visualization capabilities

Allowing users to analyze your products within the environment



Photo credit: Paul Montesano

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User friendly data-driven storytelling

Enrich science and applications narratives with interactive exploration

How to use it?

1	VEDA Dashboard	Public-facing User Site	https://www.earthdata.nasa.gov/dashboard/
2	VEDA Data Services	Data Catalog and APIs	
3	VEDA Analytics Platform (AP)	Interactive Compute Resources	https://nasa-veda.2i2c.cloud

VEDA supports

Earth Information System (EIS)

Environmental Justice Initiative

US Greenhouse Gas Monitoring and Information Center

Earth Information Center

NASA/ESA/JAXA trilateral dashboard

Demonstration of EIS Fire data served
from VEDA backend into ArcGIS

VEDA Resources

- [VEDA GitHub Repos with Documentation](#)
- [VEDA Data Catalog](#)
- Community Documents
- [VEDA Dashboard](#)

Thank you

brian.freitag@nasa.gov
manil.maskey@nasa.gov