



EXPLORE EARTH

YOUR HOME, OUR MISSION

Earth Information System (EIS)

Monthly Highlights
December 2023

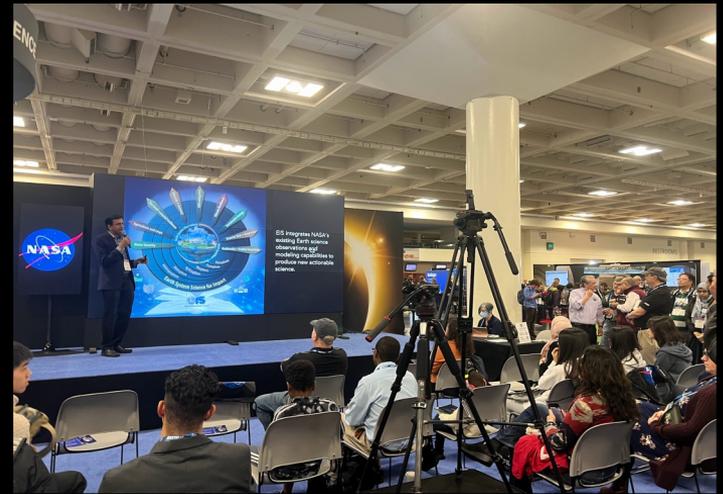


<https://www.earthdata.nasa.gov/eis>

EIS at AGU 2023

EIS was well represented at AGU 2023 with numerous talks, posters, a Hyperwall presentation at the NASA booth and an EIS Town Hall.

The full list of presentations can be found [here](#).



During the EIS Town Hall, the EIS team gave an overview of EIS activities and its importance in next-gen, transdisciplinary Earth system science, followed by Q&A.

You can access the meeting recording [here](#) (AGU login required to access the recording).



EIS Supports the U.S. GHG Center



Prototyping through EIS:

- Stakeholder priorities
- Criteria for assessing maturity of datasets
- Refinement of data system – visualization, analysis tools, data insights

See more at earth.gov/ghgcenter



Welcome

The U.S. Greenhouse Gas Center opens up access to trusted data on greenhouse gases. This multi-agency effort consolidates greenhouse gas information from observations and models. The goal of the US GHG Center is to provide decision-makers with one location for data and analysis.

This initial two-year demonstration phase creates a way to explore and analyze U.S. government and other datasets, targeting three greenhouse gas areas of study, as shown below. The US GHG Center also encourages stakeholder feedback and ideas for future expansion.

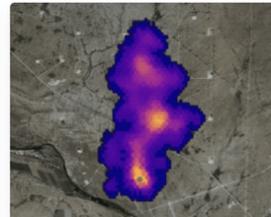
[→ Introduction to the US GHG Center](#)



Gridded Anthropogenic Greenhouse Gas Emissions

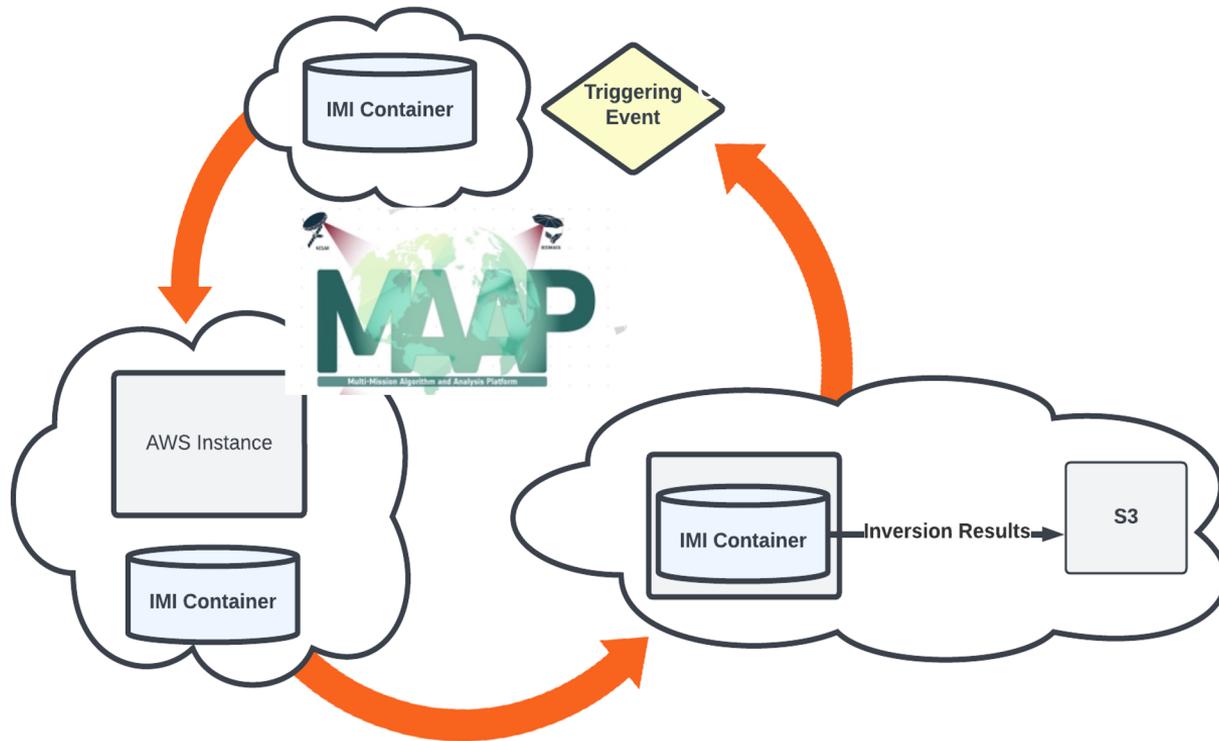


Natural Greenhouse Gas Sources and Sinks



New Observations for Tracking Large Emission Events

EIS continues to enable innovation to support future GHG Center innovations



GHG Center leverages infrastructure shared with EIS (VEDA) and science development through the CMS program. EIS is being used to demonstrate a potential use case where customized methane emissions estimates are generated on demand by a user for a region and time period of interest.

EIS Engagement and Outreach Activities

Organization/ Meeting	Date(s)/Location	Thematic Area	Activity/ Outcome
DoD/ NGA	12/5/23, GSFC	EIS	Identification of variables of interest for ongoing work by NGA.
AGU Town Hall, Hyperwall, posters and sessions	12/11-15/23, SF	All	Built awareness of EIS research, cyberinfrastructure and transdisciplinary Earth action activities to Earth system science community.
Forthcoming meetings:			
AMS Hyperwall on EIS	Date/time TBD	All	Hilton Baltimore, Exhibit Hall, NASA Booth
AMS Talk on Earth system science for impact	1/30/24, 5:45pm	All	Holiday 5 (Second Floor, Hilton Baltimore)
FEMA Colloquium	2/6/24, 2:00pm	Fire, Water	Presentations and needs discussions