



National Aeronautics and  
Space Administration

# NASA earth

2024 CEOS Plenary | Oct. 24

Montréal, Canada

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Earth Science Division



2020

National Aeronautics and Space Administration



# EARTH FLEET



## Key

- International Partners
- U.S. Partner
- ISS Instrument
- JPSS Instrument
- Cubesat
- Launch Date TBD
- Earth System Observatory Mission (Pre) Formulation
- Implementation
- Operating
- Extended

## Invest/CubeSats

- MURI-FD 2023
- SNOOPI 2024
- ARGOS\* 2024
- ARCSTONE\* 2025
- GRITSS\* 2025
- GRATTIS\* 2026

## JPSS Instruments

- OMPS-LIMB 2022
- LIBERA 2027
- OMPS-LIMB 2027
- OMPS-LIMB 2032

## ISS INSTRUMENTS



## MISSIONS

# NASA earth

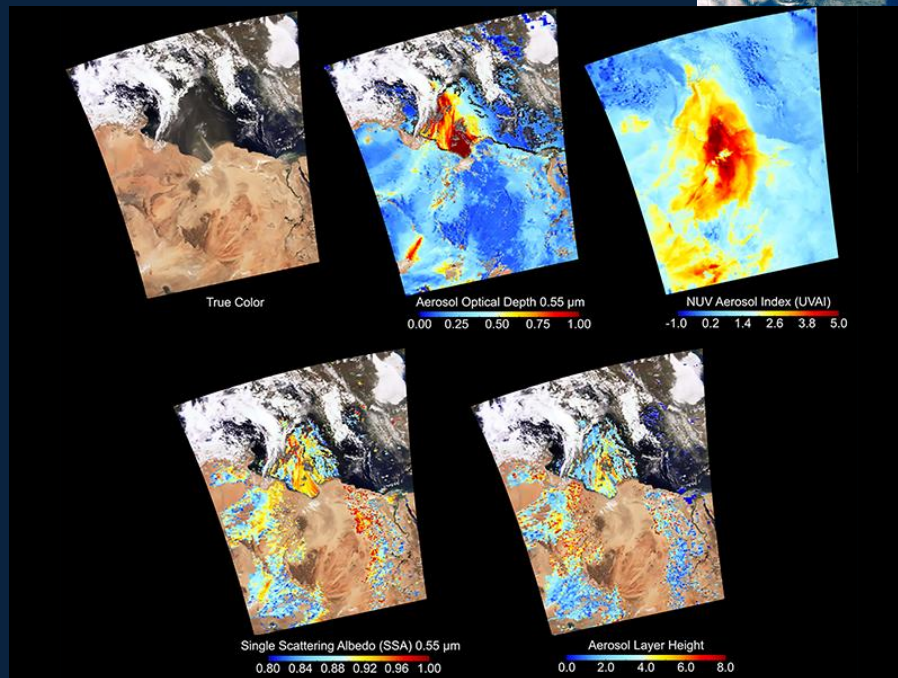
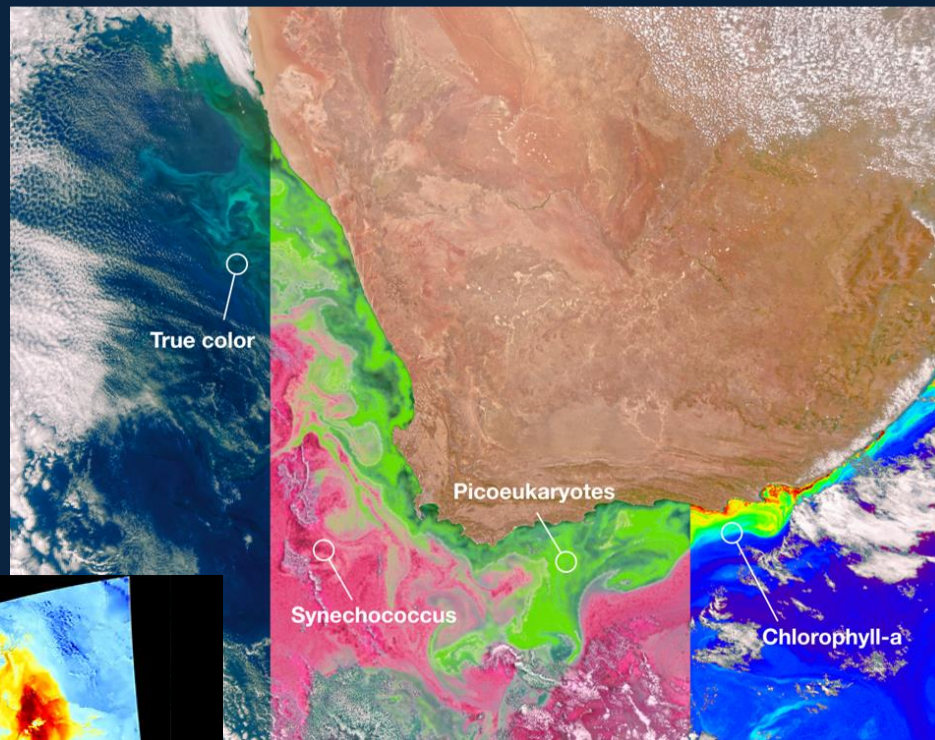
10.16.2024

2030



# PACE Plankton, Aerosol, Cloud and ocean Ecosystem

PACE launch Feb. 8,  
2024 from Cape  
Canaveral



First Light from Ocean  
Color Instrument:  
New information on  
phytoplankton and data  
to study atmospheric  
conditions



## Launch Window Opens February 2025

- Special coating added to reflector to limit temperature from solar radiation
- Reflector returning to India for reintegration with the satellite's radar system
- LRD to be determined by ISRO in coordination with NASA





# EARTH SYSTEM OBSERVATORY

INTERCONNECTED CORE MISSIONS

## SURFACE BIOLOGY AND GEOLOGY

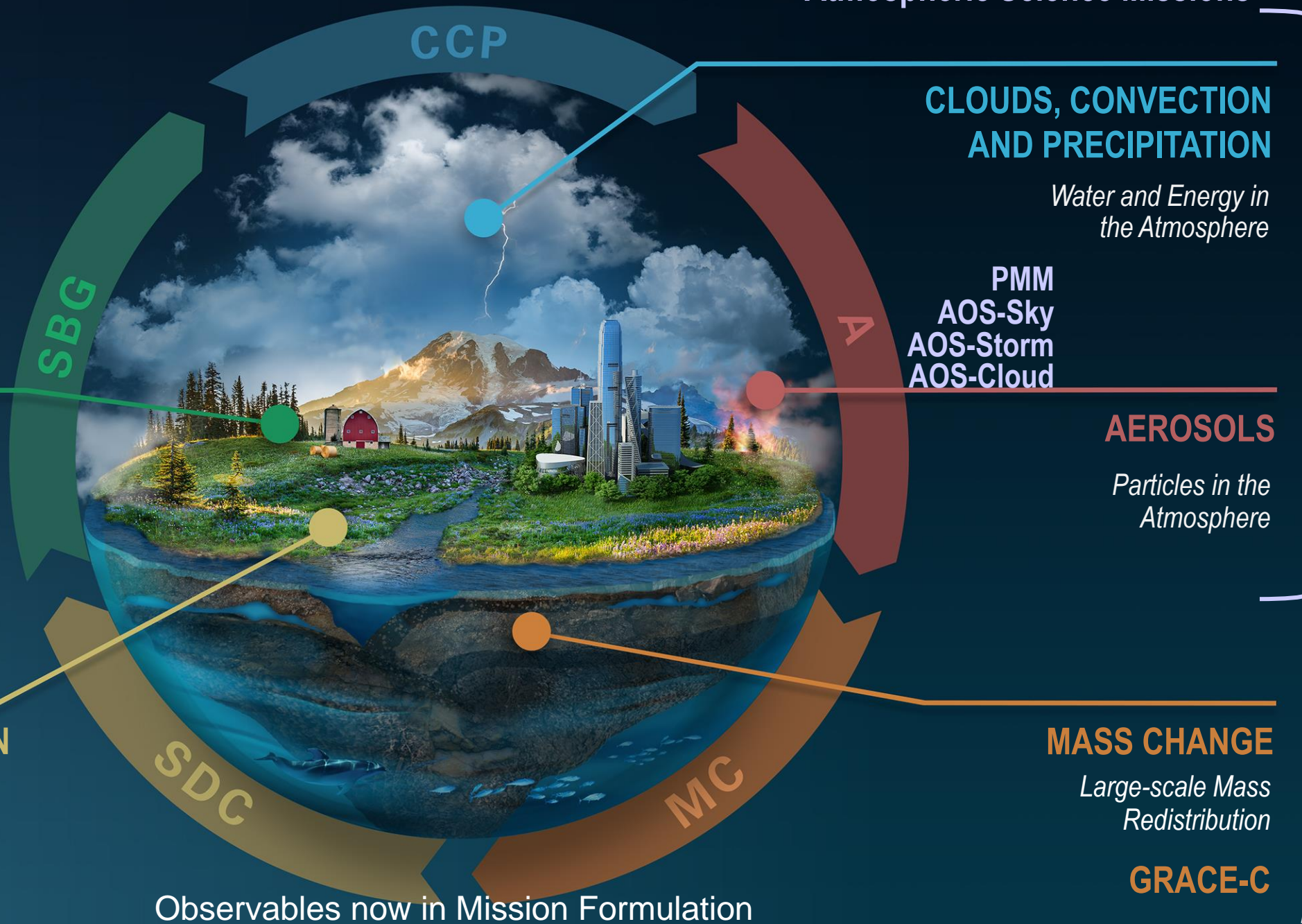
Earth Surface & Ecosystems

SBG-TIR  
SBG-VSWIR

## SURFACE DEFORMATION AND CHANGE

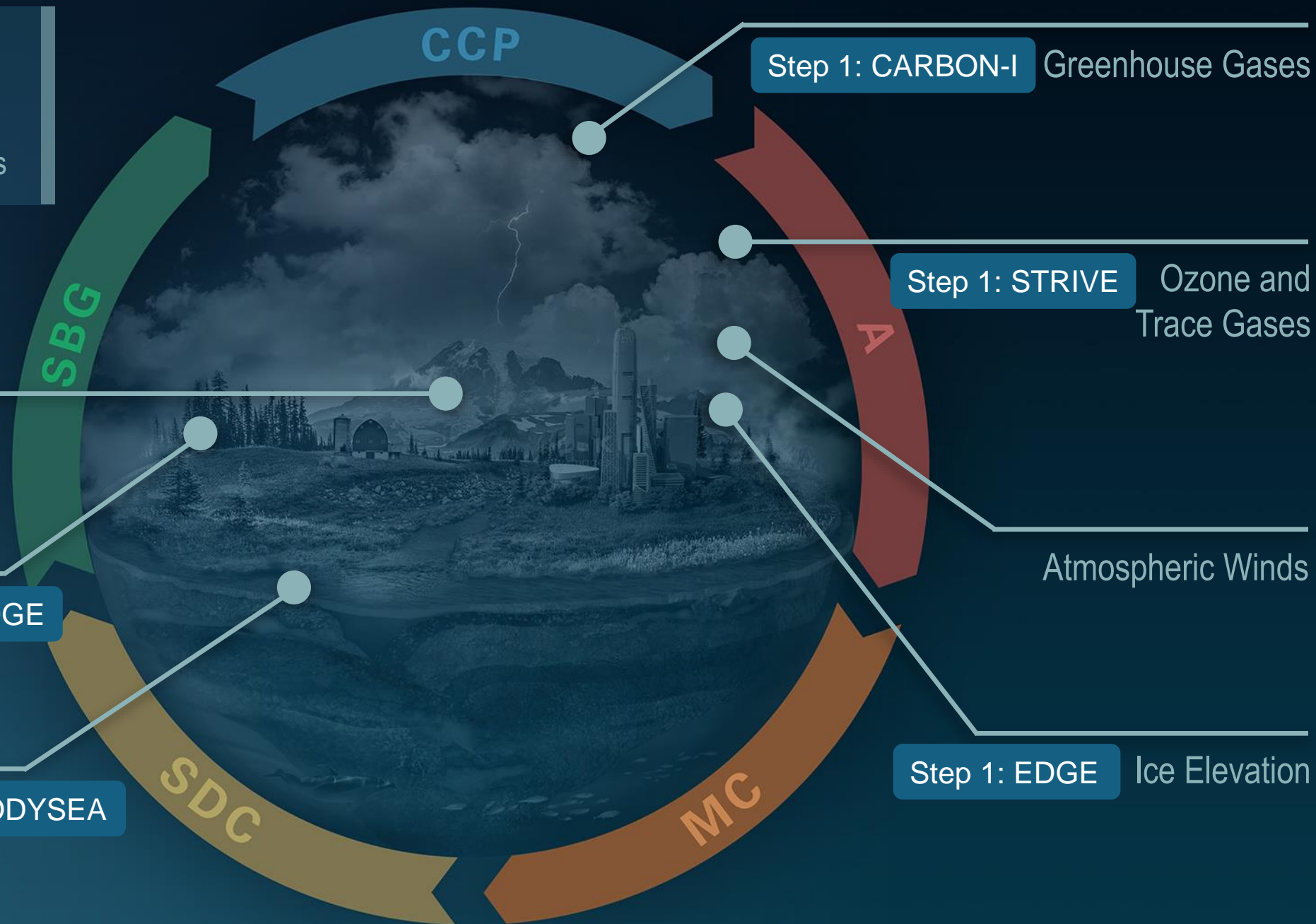
Earth Surface Dynamics

Met by **NISAR** launch in 2025



# INNOVATION & COMPETITION

Earth System Explorer Missions





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# EARTH SCIENCE TO ACTION STRATEGY 2024-2034

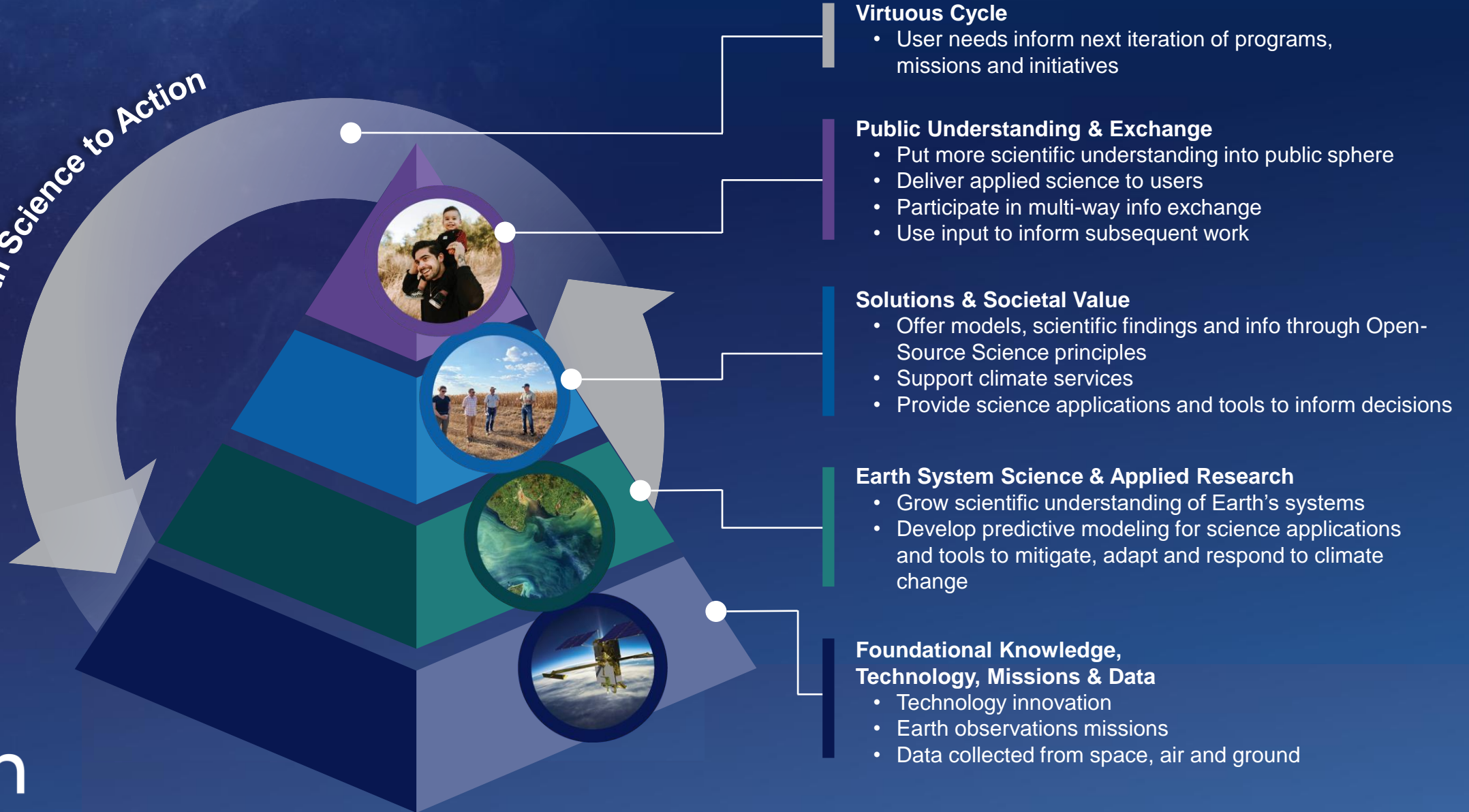
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<https://science.nasa.gov/earth-science/earth-science-to-action/>

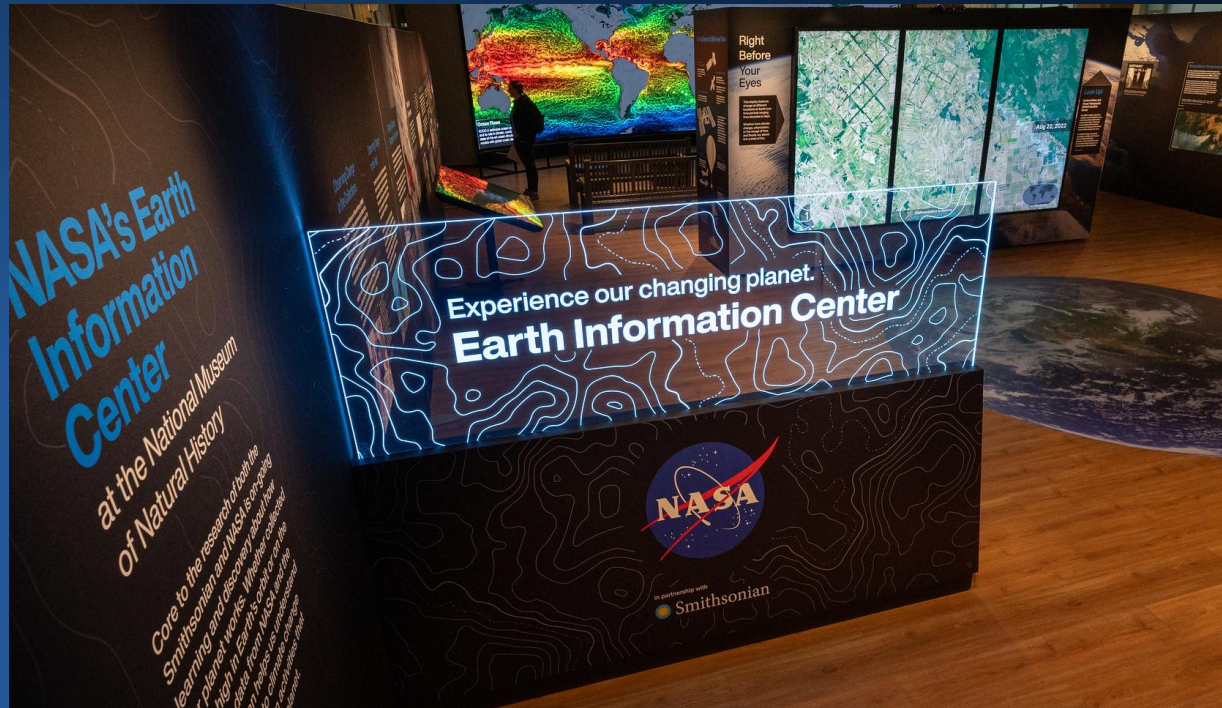
# Earth Science to Action Strategy

Earth Science to Action





# Earth Information Center Opens at Smithsonian National Museum of Natural History

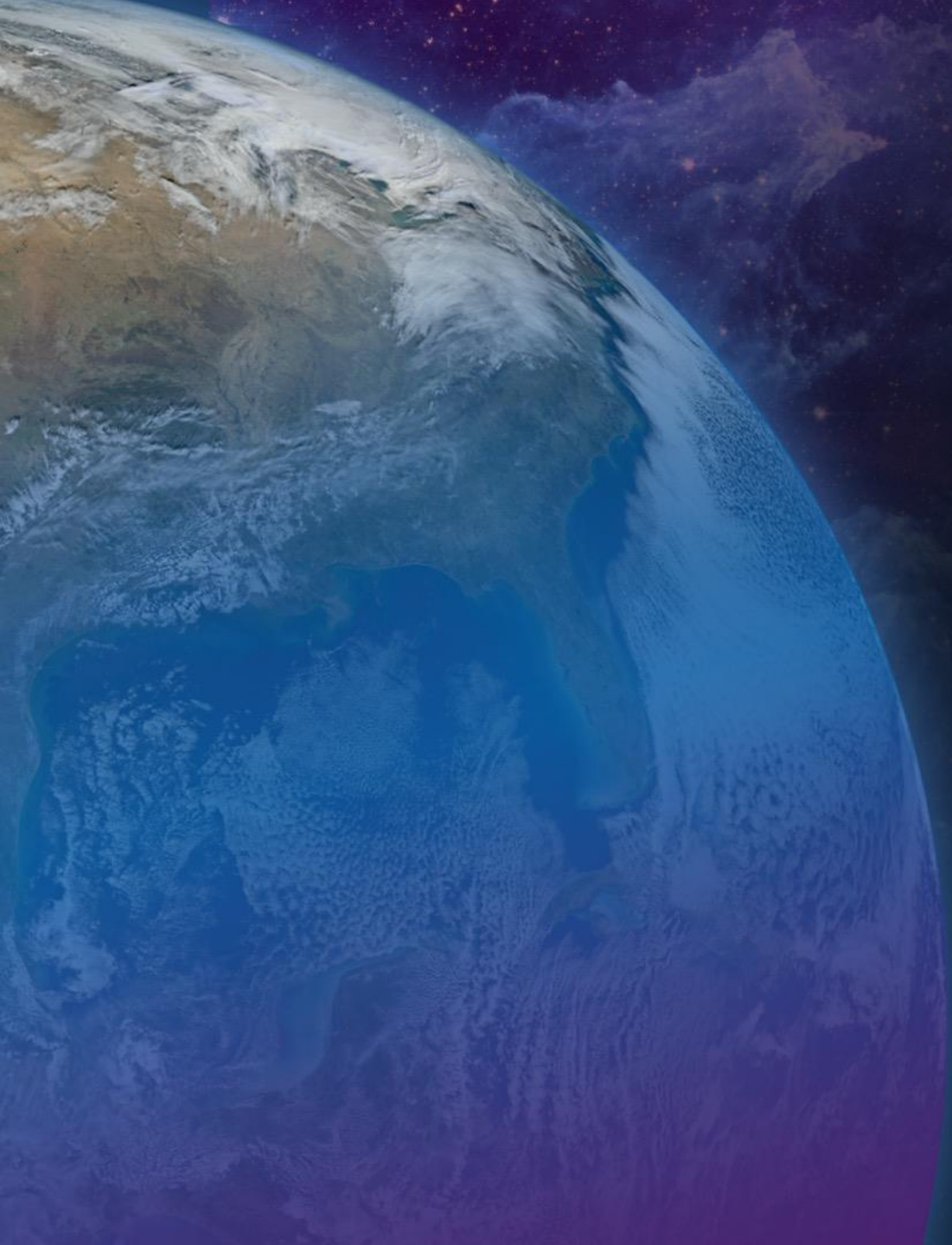


NASA/Bill Ingalls



NASA/Karen St.Germain





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