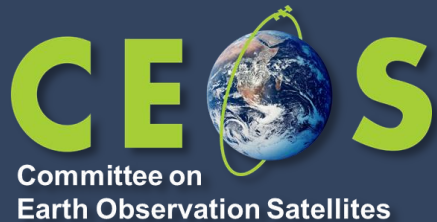


NASA SIT Chair Priorities



**Eleanor Pierel
WGISS-61 and
WGDisaster-25 Joint Meeting
Dehradun, India
16th-20th March, 2026**

NASA SIT Chair Team



Karen St. Germain
Director, NASA Earth Science Division (ESD)
SIT Chair



Julie Robinson
Deputy Director, NASA ESD
SIT Co-Chair

CEOS SIT Chair Support



Stephen Ward



Matt Steventon



Michelle Hanssen
CEOS Contact



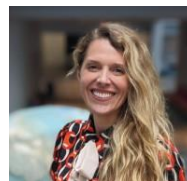
Sid Boukabara
Strategy Lead



Nicole Herrmann
SIT Chair Core Team

Priority #1

Water Planet: Seeing Earth's Water from Space



Erin Urquhart
Priority #1 Lead

Priority #2

Connected Data for Community Resilience



Eleanor Pierel
Priority #2 Lead



Harvey Jones



Libby Rose



Wenyng Su
SIT Chair Core Team, WGClimate Chair



Dave Borges
SIT Chair Core Team, SEO

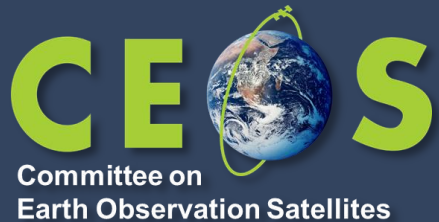
❖ **Priority 1: Water Planet- Seeing Earth's Water from Space**

- Advance understanding of Earth's water cycle by monitoring terrestrial waters, coastal regions, and oceans from space. Transform this knowledge to actionable insights to enhance water use efficiency, improve water quality, and enhance resilience to water-related hazards such as droughts, floods, and storms.

❖ **Priority 2: Connected Data for Community Resilience**

- Advance community-level resilience by leveraging CEOS disaster risk reduction successes and partnerships to enhance cross-collaboration, data interoperability, and actionable information.

Priority 1: Water Planet



❖ **Priority 1: Water Planet- Seeing Earth's Water from Space**

- Advance understanding of Earth's water cycle by monitoring terrestrial waters, coastal regions, and oceans from space. Transform this knowledge to actionable insights to enhance water use efficiency, improve water quality, and enhance resilience to water-related hazards such as droughts, floods, and storms.

❖ **Priority 2: Connected Data for Community Resilience**

- Advance community-level resilience by leveraging CEOS disaster risk reduction successes and partnerships to enhance cross-collaboration, data interoperability, and actionable information.

Water Planet- Seeing Earth's Water from Space

- ❖ Water is fundamental to life on Earth yet increasing pressures on global water resources—combined with rising exposure to water-related extremes such as droughts and floods—demand innovative solutions to ensure a sustainable future.
- ❖ Satellite observations play a critical role in advancing our understanding of the water cycle and monitoring changes over time. These observations provide essential data needed to address challenges in water availability, accessibility, quality, and hazards.



- ❖ By integrating the capabilities of legacy and new missions, this priority focuses on delivering tailored water data and information designed to support research, inform water management decisions, and enhance preparedness for water-related hazards at a global scale.
- ❖ CEOS offers valuable assets and collective strength to deliver multisource, integrated data and a user-driven approach to address Earth's most pressing water challenges.



Priority 1: Key Objectives



1. Coordinated Water Observations
2. Accessible and Interoperable Water Data Products
3. User-Center Solutions for Water Challenges
4. Assessment of Socio-Economic Benefits



Priority 1: Deliverables



1. Impact assessment of existing CEOS activities related to water (with Priority 2)
2. Best Practice Guidance on Combining Multiplatform and Multispectral Data
3. Contribute a water thematic section to updated CEOS-ARD strategy 2026 (in collaboration with CEOS Chair)
4. Water Quality Workshop (co-led with CEOS Chair; 2026) focusing on catchment-to-coast water management solutions.
5. Best Practice Guidance for Scaling and Transitioning EO Data Into Actionable Water Solutions
6. Use Cases Illustrating Socio-economic Benefits and Applicability of Satellite-based Water Solutions Across Regions and Sectors (with Priority 2).

SIT-41 Water Quality Workshop

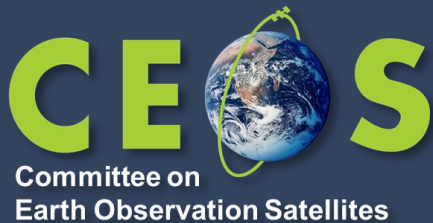
13 April 2026

Co-hosted with CEOS Chair
National Academies of Sciences,
Engineering, and Medicine (NASEM)
Beckman Center
Irvine, California



The one-day workshop, first in a 2-part series, will focus on leveraging Earth observation data to address freshwater and coastal water quality challenges. Open to CEOS agency representatives and invited experts, the event will offer an opportunity for collaboration on advancing actionable, scalable solutions through a catchment-to-coast approach.

Priority 2: Connected Data for Community Resilience



Eleanor Pierel
39th CEOS Plenary
Bath, United Kingdom
4th - 6th November, 2025

❖ **Priority 1: Water Planet- Seeing Earth's Water from Space**

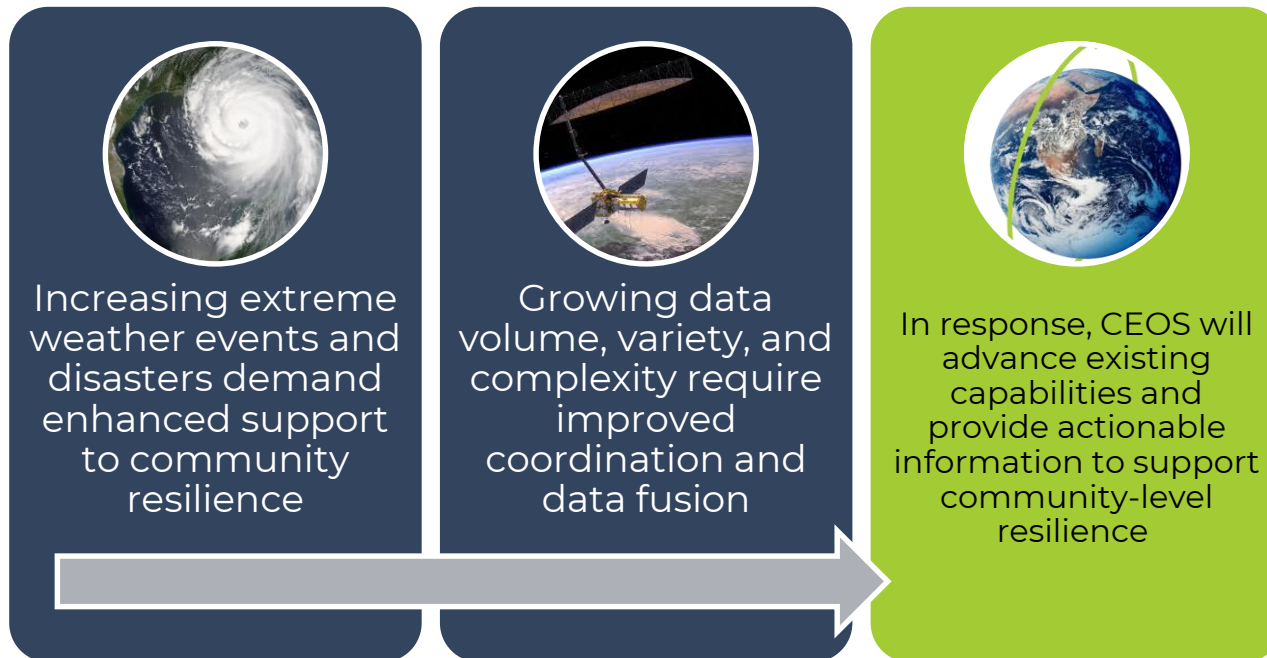
- Advance understanding of Earth's water cycle by monitoring terrestrial waters, coastal regions, and oceans from space. Transform this knowledge to actionable insights to enhance water use efficiency, improve water quality, and enhance resilience to water-related hazards such as droughts, floods, and storms.

❖ **Priority 2: Connected Data for Community Resilience**

- Advance community-level resilience by leveraging CEOS disaster risk reduction successes and partnerships to enhance cross-collaboration, data interoperability, and actionable information.

Connected Data for Community Resilience

CEOS works across a data-driven value chain, from observations to impact.



Priority 2: Key Objectives

1. Understand and enhance cross-CEOS collaboration towards impactful data value chain
2. Assess impact of existing activities and end user requirements to build community resilience
3. Enhance existing interoperability efforts to address data user needs
4. Improve capabilities to deliver actionable information built on resilience community input



Credit: NASA



Credit: Canadian Forest Service

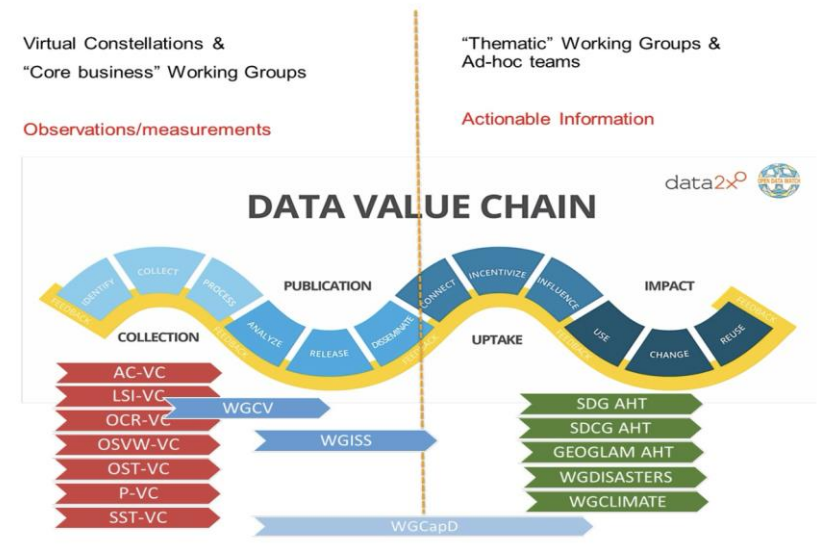


Credit: USGS

Priority 2: Connected Data for Community Resilience Key Objectives – Detail

Key Objective 1: Understand and enhance cross-CEOS collaboration towards impactful data value chain

- Leverage the existing CEOS expertise to collaborate across CEOS WGs and VCs
- Lead the delivery of connected data for community resilience products including:
 - The impact assessment of existing activities and opportunity lessons learned report
 - Improved data value chain to include co-development
 - Interoperability demonstrator
 - Resilience Data Partner workshop
 - Resilience Findings



Legacy CEOS Data Value Chain

Priority 2: Connected Data for Community Resilience Key Objectives – Detail

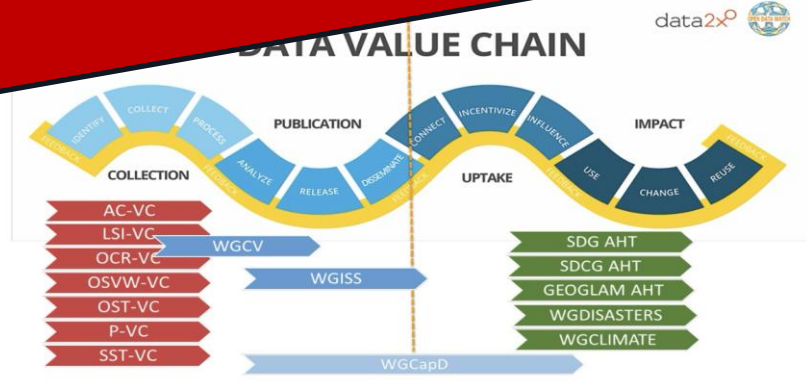


Key Objective 1: Understand and enhance cross-CEOS collaboration towards impactful data value chain

- Leverage the existing CEOS expertise to collaborate across CEOS WGs and VCs
- Lead the delivery of connected community resilience data value chain to include co-

Please join the Data Value Chain side meeting on April 14th at SIT-41.

- Interoperability demonstrator
- Resilience Data Partner workshop
- Resilience Findings



Legacy CEOS Data Value Chain

Priority 2: Connected Data for Community Resilience Key Objectives – Detail



Key Objective 2: Assess impact of existing activities and end user requirements to build community resilience

- Conduct an impact assessment of key existing resilience-related activities
- Include input from CEOS and CEOS partners
- Identify opportunities for further demonstrations and data interoperability (w/ Priority 1 team)
- Support Chair internal and external resilience-focused activities

Priority 2: Connected Data for Community Resilience Key Objectives – Detail

Key Objective 2: Assess impact of existing activities and end user requirements to build community resilience

- Conduct an impact assessment of key existing resilience-related activities
- Include input from CEOS and CEOS partners
- Identify opportunities for further demonstrations and data interoperability (w/ Priority 1 team)
- Support Chair internal and external resilience-focused activities

Radiant Earth will be conducting interviews with CEOS members & partners.

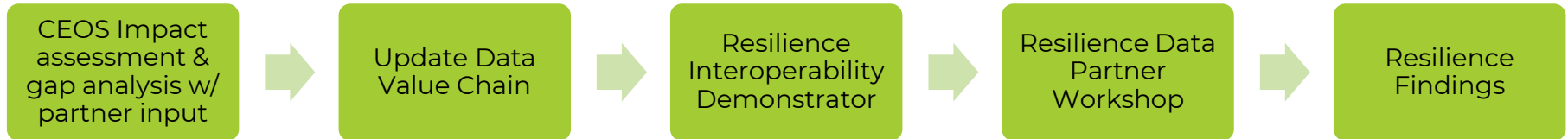
If you have an interviewee suggestion, please let Dave Borges know at the WGD/WGISS meeting or email eleanor.pierel@nasa.gov.

Key Objective 3: Enhance existing interoperability efforts to address data user needs

- Support ongoing CEOS Interoperability Framework implementation.
- Contribute to CEOS-ARD Strategy 2026 and include resilience-related components
- Support ongoing and emerging Civil/Commercial space Cal/Val & data quality standards collaboration meetings and services
- Work with WGISS and partner(s) to identify and deliver a Resilience Interoperability Demonstrator

Key Objective 4: Improve capabilities to deliver actionable information built on resilience community input

- Host a workshop with key resilience data partners (e.g. EW4ALL, ESRI, etc.) to demo existing activities and inform Resilience Findings
- Produce a Resilience Findings deliverable to guide efforts to scale resilience-focused applications based on the results of impact assessment, workshop, and demonstrator



Priority 2: Main Deliverables

- Impact assessment of key existing resilience-related activities (in collaboration with Priority 1 Team)
- Updated data value chain to include co-development
- Interoperability Demonstrator
- Resilience Data Partner workshop
- Resilience Findings

SIT-41

- Data Value Chain Side Meeting
- Speakers from CalFire, Earth Fire Alliance, EW4All, International Disasters Charter, and more.

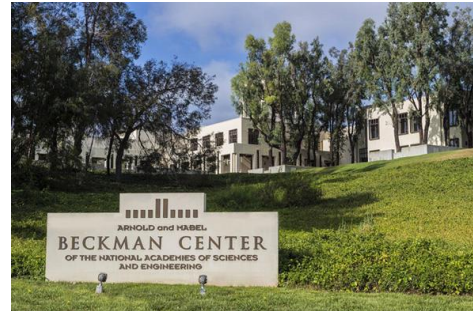
Deliverables

- Use cases for EO Handbook (Due 3/20)
- Interviews for impact assessment



SIT-41

14-16 April 2026
National Academies of Sciences,
Engineering, and Medicine (NASEM)
Beckman Center
Irvine, California



SIT Technical Workshop

8-10 September 2026
National Academies of Sciences,
Engineering, and Medicine (NASEM)
National Academy of Sciences Building
Washington, DC

