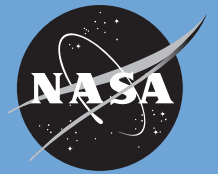




National Aeronautics and
Space Administration



NASA's Science Support Office



20
22
Annual Report

Our Mission

Bringing NASA Science to the World

With more than 30 years of history and experience, NASA's Science Support Office has established a well-deserved reputation as the primary point of contact for the Science Mission Directorate and Earth Science Division for science exhibit outreach and product development. The office brings together a unique skill set in “one team” that enables it to conceptualize, plan, design, and deliver successful small- and large-scale exhibit support services.

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Our Goals

Provide an inspiring and interactive venue, using a unique storytelling approach, that allows a variety of audiences worldwide to connect with NASA Science, offering:

- Opportunities for individuals to engage face-to-face or virtually with NASA science experts
- Access to free and accurate scientific information related to NASA missions, research topics, and scientific discoveries
- Unique visual scientific perspectives via stunning imagery and other creative multimedia content (e.g., Hyperwall, Dynamic Planet).

Audiences

- Scientists and engineers (e.g., government, academia)
- Students, professors, and teachers
- Policy and decision makers
- Non-governmental organizations, Industry
- General public (e.g., learners of all ages, citizen scientists)

Scan for Online Version of Schedule

NASA Hyperwall Science Stories

Presented by NASA Experts (In-person meeting only)

TIME	PRESENTATION TITLE	PRESENTER
MONDAY, AUGUST 22 • Exhibit Open 11:00 AM - 6:00 PM (12-2 PM Exclusive Hours)		
12:15 - 12:30 PM	Europa: The Ocean World	Jim Green
1:30 - 1:45 PM	Observations of Atmospheric Chemistry	Jack Kaye
TUESDAY, AUGUST 22 • Exhibit Open 11:00 AM - 6:00 PM (12-2 PM Exclusive Hours)		
12:00 - 12:15 PM	Observations of Atmospheric Chemistry	Jack Kaye
12:15 - 12:30 PM	??	Jack Kaye
12:30 - 12:45 PM	Exploring NASA Entrepreneurship Open Opportunities	Jennifer Gustetic



Together We Can Do More

Science Support Office

Welcome to the Team!

~ Dalia Kirshenblat

~ Michael Marosy

~ Xavier Williamson

*Number of years indicates
cumulative years on the team.*



Xavier Williamson
Administrative Coordinator
Started Aug 2022



Dalia Kirshenblat
Outreach Coordinator
Started Sept 2022



Michael Marosy
Graphic Designer
Started Sept 2022



Mark Malanoski
Exhibit Multimedia Specialist
17 Years



Marit Jentoft-Nilsen
Data Visualizer
17 Years



Amy Moran
Data Visualizer
7 Years



Steven Graham
Manager
as of July 2022
25 Years



Retirement

Heather Hanson
Deputy Manager
as of July 2022
11 Years



Douglas Bennett
Outreach Coordinator
and Writer
11 Years



Nathan Marder
Virtual Event Coordinator
1 Year



Kevin Miller
Graphic Designer
13 Years



Alan Ward
Science Writer
21 Years



Ryan Barker
Logistics
Coordinator
14 Years



Kevin Durham
Exhibits Coordinator
5 Years



Deborah McLean
Graphic Designer,
16 Years ~ Retired October 2022



Winnie Humberson
Manager,
32 Years ~ Retired September 2022



Cynthia Trapp
Administrative Coordinator,
15 years ~ Retired September 2022

Winnie Humberson Retires

Receives NASA Distinguished Public Service Medal

NASA's Science Support Office honored **Winnie Humberson** [NASA Headquarters—SSO Task Lead and Manager], who retired on June 30, 2022, culminating nearly 40 years of service to NASA. A celebration was held at NASA's Goddard Space Flight Center. Humberson received the *Distinguished Public Service Medal*, signed by **NASA Administrator Bill Nelson**, for her "decades of outstanding service in sharing the Nation's science in innovative ways at scientific conferences and public events in the U.S. and around the world."



[Left to right] **Steve Platnick** [NASA's Goddard Space Flight Center—Earth Observing System Senior Project Scientist], **Kristen Erickson** [NASA Headquarters—Science Engagement & Partnerships Director], **Winnie Humberson**, and **Jack Kaye** [NASA Headquarters—Associate Director for Research, Earth Science Division].

Partnerships

Our goal is to effectively strengthen existing partnerships (both internal and external) to achieve NASA's goals in the areas of science engagement and communication (i.e., encourage STEM and improve U.S. scientific literacy).

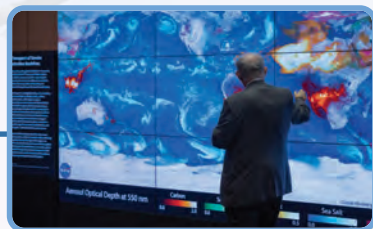
- **Within NASA** — *Scientific Visualization Studio (SVS), NASA Centers, Missions, Programs, Office of International and Interagency Relations (OIIR), NASA Grantees*
- **Scientists** — *All Centers as well as external, e.g., academia*
- **Other Federal Agencies** — *National Oceanic and Atmospheric Administration (NOAA), Department of State (DoS), United States Geological Survey (USGS)*
- **Science Professional Non-Profit Organizations** — *American Geophysical Union (AGU), Michael Freilich Student Visualization Storytelling Competition, AGU/NASA/StoryCorps Narratives Project*
- **International Partners** — *Japan Aerospace Exploration Agency (JAXA), European Space Agency (ESA), European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT), and Scientific Professional Organizations, e.g., European Geosciences Union (EGU), Asia Oceania Geosciences Society (AOGS), Japan Geoscience Union (JpGU)*

Science Support Office Provides Support for NASA's SMD Strategic Content Coordination Meetings

Starting in February 2022, Heather Hanson temporarily led NASA's SMD Strategic Content Coordination bi-weekly meetings. This work included assisting with building an archive of meeting materials for all SMD Strategic Content Coordination meetings via a Teams SharePoint page. This SharePoint page dovetails with a larger SMD internal communication intranet that is currently being developed across SMD. This supporting role strengthened internal connections between team members of the Science Support Office and the Science Engagement and Partnerships Division through which the Science Support Office is supported. Hanson continued in this role through September 2022 until it was permanently filled.

Engagement Products and Platforms

- **NASA Hyperwall**



- **NASA Virtual Event Platform**



- **Dynamic Planet**



- **The Earth Observer Newsletter**



- **NASA Science Calendar**



- **Science Story Booklets**

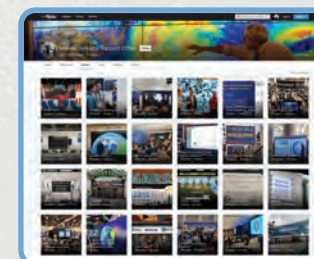
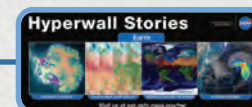
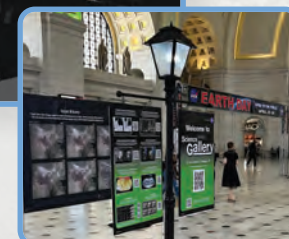
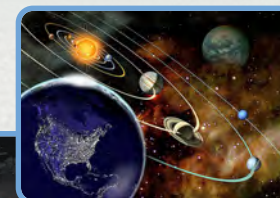
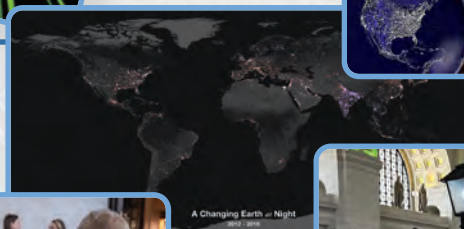


- **Mission Brochures**



- **Miscellaneous**

- **EOSPSO website**
- **Posters, postcards, lenticulars**
- **Hands-on activities**
- **Event support products**
- **Flickr photo albums**



Conference and Event Timeline

2021

September

October

November

December

2022

January

Association of Science-Technology Centers (ASTC)
Virtual (Swapcard),
October 5–7, 2021

26th Conference of the Parties (COP26)/UNFCCC Climate Change
In Person,
Glasgow, Scotland
October 31 –
November 12, 2021

National Space Council Meeting, United States Institute of Peace
In Person, Washington, DC,
December 1, 2021

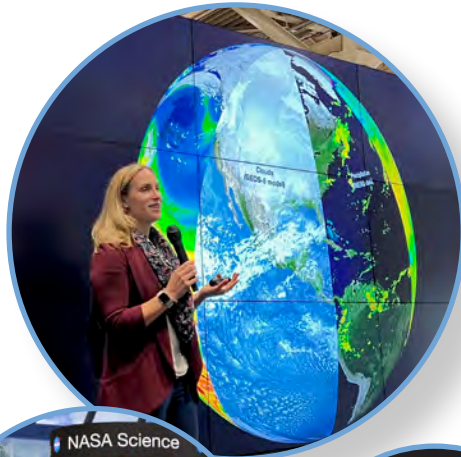
239th American Astronomical Society (AAS) Annual Meeting
January 9–13, 2022,
Rescheduled for
June 2022

USA Science and Engineering Festival (SciFest)
Virtual Conference
Virtual (vFairs),
October 18–21, 2021.

NASA Stem-a-Thon
NASA Virtual,
November 18, 2021

American Geophysical Union Fall Meeting
In Person and NASA Virtual
New Orleans, LA
December 13–17, 2021

American Meteorological Society (AMS) Annual Meeting
NASA Virtual,
January 23–27, 2022



American Geophysical Union Fall Meeting (AGU)

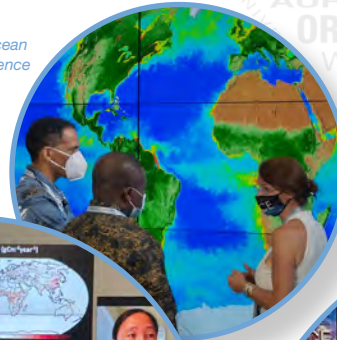


26th Conference of the Parties (COP26)/UNFCCC Climate Change



COSPAR

Our Ocean Conference



NASA Stem-a-Thon



Small Satellite Conference



American Library Association (ALA) Annual Conference



October 1, 2021 - September 30, 2022

February

American Association for the Advancement of Science (AAAS) Annual Meeting
February 17–20, 2022
Canceled

Ocean Sciences Meeting, Aquatic Science,
NASA Virtual,
February 27–
March 2, 2022

March

Commodity Classic
In Person and
NASA Virtual,
New Orleans, VA,
March 10–12, 2022

National Science Teaching Association (NSTA) Annual Conference
In Person and NASA Virtual,
Houston, TX,
March 31–April 2, 2022

April

NASA Sparking Participation and Real-world Experiences in STEM (SPARX) Spring Culminating Event
NASA Virtual,
April 2, 2022

Our Ocean Conference
In Person,
Koror, Palau,
April 13–14, 2022

8th Annual HBCU Climate Change Conference
In Person,
New Orleans, LA,
April 13–17, 2022

Earth Day
In Person and
NASA Virtual,
Washington, DC,
April 21–23, 2022

May

Maryland Library Association (MLA)
Cambridge, MD,
May 4–6, 2022
(Materials only)

OSTEM Spring Intern Poster Session
NASA Virtual,
May 10, 2022

National Science Foundation (NSF) Federal Agency Expo
In Person,
Washington, DC,
May 25, 2022

European Geosciences Union (EGU)
In Person,
Vienna, Austria,
May 23–27, 2022

Living Planet Symposium
In Person,
Bonn, Germany,
May 23–27

NASA Innovative Advanced Concepts (NIAC) Symposium

June

240th American Astronomical Society (AAS) Meeting
In Person and Virtual (vFairs),
Pasadena, CA,
June 12–16, 2022

American Library Association (ALA) Annual Conference,
In Person and
NASA Virtual,
Washington, DC,
June 23–28, 2022

July

JWST First Light Event
NASA Virtual,
July 2022

JWST First Light at NASA Goddard,
In Person,
Greenbelt, MD,
July 12, 2022

COSPAR
In Person,
Athens,
Greece, July
16–24, 2022

IGARSS
In Person,
Kuala Lumpur,
Malaysia,
July 17–22, 2022

SaSa Poster Presentations at NASA Goddard,
In Person,
Greenbelt, MD,
July 25, 2022

August

Asia Oceania Geosciences Society (AOGS)
Virtual (website),
August 1–15, 2022

OSTEM Summer Intern Poster Session
NASA Virtual,
August 10, 2022

Small Satellite Conference
In Person, Logan, UT,
August 6–11, 2022

American Chemical Society (ACS) Fall Meeting
In Person, Chicago, IL,
August 21–24, 2022

International Geoscience and Remote Sensing Symposium (IGARSS)

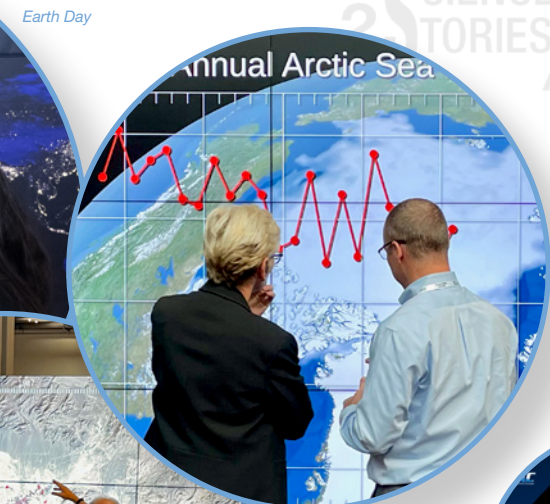
September

Association of Science-Technology Centers (ASTC)
In Person, Pittsburgh, PA,
September 12–15, 2022

NASA Innovative Advanced Concepts (NIAC) Symposium
NASA Virtual,
September 20–22, 2022

Clean Energy Ministerial (CEM) and Ministerial for Mission Innovation, The Global Clean Energy Action Forum (GCEAF)
In Person,
Pittsburgh, PA,
September 21–23, 2022

240th American Astronomical Society (AAS) Meeting



Clean Energy Ministerial (CEM) and Ministerial for Mission Innovation, The Global Clean Energy Action Forum (GCEAF)



American Chemical Society (ACS) Fall Meeting



Sharing NASA Science Around

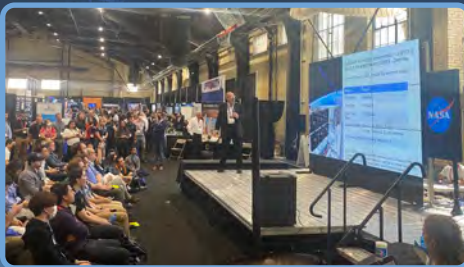


Stem-a-Thon, Virtual

The Science Support Office led the development of the Science Mission Directorate virtual exhibit for the NASA STEM-a-Thon event held on November 18, 2021. The team customized prior virtual room designs for the exhibit and provided chat and technical support during the event. The STEM-a-Thon event had 1196 unique attendees, including an estimated 813 students and teachers. The NASA virtual exhibit received 14,995 total content views.

Clean Energy Ministerial (CEM), In Person, Pittsburgh, Pennsylvania

The Science Support Office supported the Hyperwall at the 2022 Clean Energy Ministerial (CEM) and the Ministerial for Mission Innovation (MI), Sept 21–23, Pittsburgh, PA. The office worked directly with the U.S. Department of Energy to support the event. **Amy Chen** from the Earth Science Division presented Hyperwall talks titled “Carbon as it Moves Through the Earth’s System” and “Sea Level Rise and Ice Sheet Monitoring.” Chen delivered the talks virtually. **U.S. Secretary of Energy Jennifer Granholm** visited the Hyperwall.



Small Satellite Conference, In Person, Logan, Utah

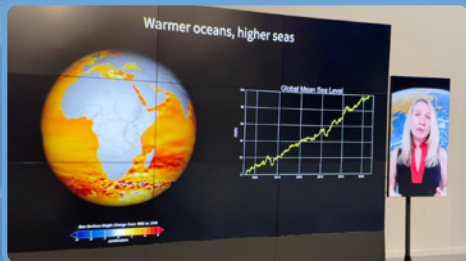
The Science Support Office supported the NASA Hyperwall at SmallSat 2022, August 8–11, in Logan, Utah. The NASA Hyperwall program included three SmallSat “Swifties” sessions and two NASA “Short Talks” sessions. Presenters were required to submit a proposal to SmallSat to win time slots on the NASA stage. The team helped prepare Hyperwall content for ~50 presentations.

American Chemical Society, In Person, Chicago, Illinois

The Science Support Office supported the 2022 American Chemical Society (ACS) Fall Meeting and Expo (August 21–25) in Chicago, Illinois. The exhibit featured the Hyperwall. Presenters included **Jack Kaye** [NASA Headquarters—Associate Director for Research, Earth Science Division] and **Jim Green** [NASA Headquarters—Former Chief Scientist].



the World ~ Conference Highlights



COP26, In Person, Glasgow, Scotland



The 26th United Nations Climate Change Conference of the Parties (COP26) was the first in-person conference supported by the Science Support Office since COVID-19 restrictions were implemented in March 2020. The staff led the coordination of 20 pre-recorded Hyperwall presentations that were presented virtually during COP26, held in Glasgow, Scotland, October 31–November 12, 2021.

Living Planet Symposium, In Person, Bonn, Germany



The Science Support Office supported a NASA Hyperwall exhibit at the Living Planet Symposium, held at the World Conference Center Bonn in Bonn, Germany, May 22–27. Staff worked with 12 presenters, including **Karen St. Germain** [NASA Earth Science Division Director]. Hyperwall presenters were from NASA Headquarters, NASA's Goddard Space Flight Center, NASA/Jet Propulsion Laboratory, and the University of Alaska.



COSPAR, In Person, Athens, Greece

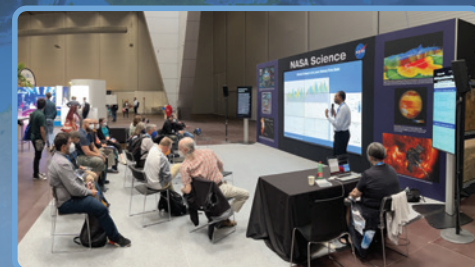


The Science Support Office supported the NASA exhibit for the 2022 Committee on Space Research (COSPAR) 44th Scientific Assembly, which occurred in Athens, Greece, July 16–22. The team identified 14 Hyperwall presenters—including **Thomas Zurbuchen** [NASA HQ—Associate Administrator, Science Mission Directorate]—and working with them to prepare their science story presentations.

European Geosciences Union, In Person, Vienna, Austria



The Science Support Office supported the NASA exhibit at the 2022 European Geosciences Union (EGU) General Assembly meeting in Vienna, Austria, May 23–27. The team worked with presenters to prepare 20 Hyperwall talks, and assembled, staffed, and dismantled the NASA exhibit and Hyperwall.



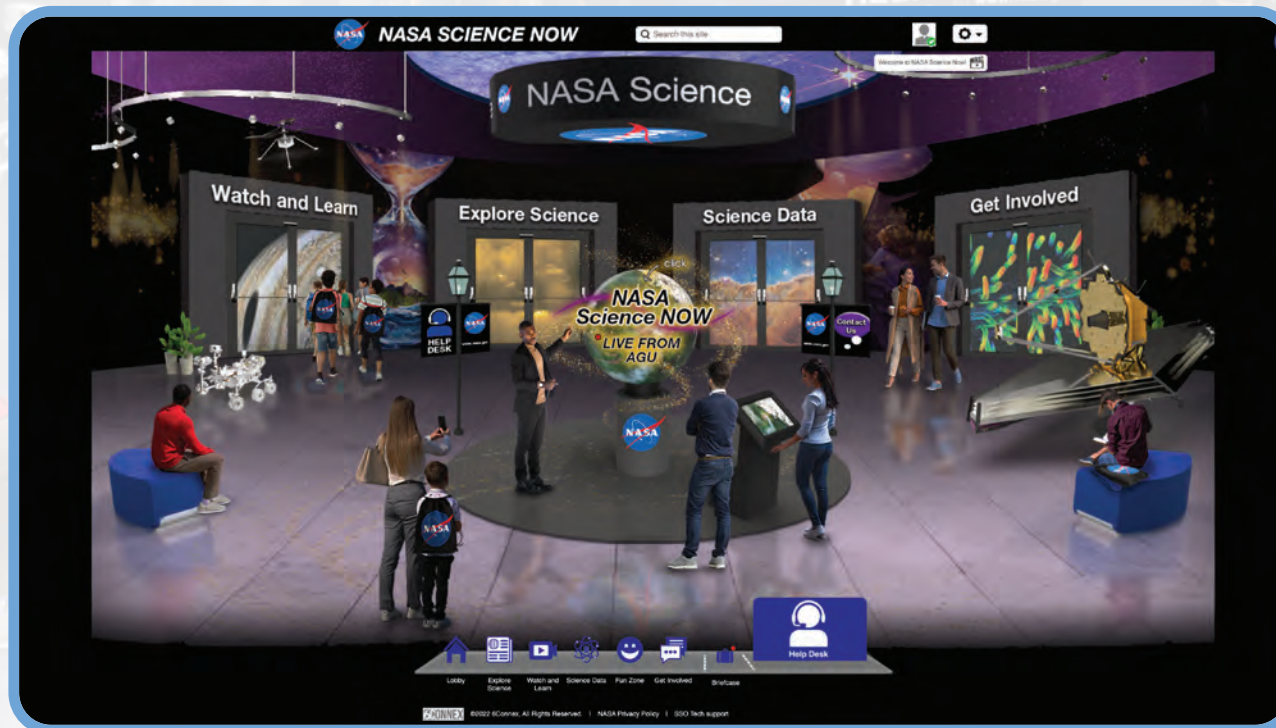
IGARSS, In Person, Kuala Lumpur, Malaysia



The Science Support Office supported the NASA exhibit and Hyperwall presentations at the 2022 International Geoscience and Remote Sensing Symposium (IGARSS), which occurred in Kuala Lumpur, Malaysia, July 17–22. On opening day, **Adham bin Baba** [Malaysian Minister of Science, Technology, and Innovation] toured the NASA exhibit with **Karen St. Germain** [NASA Headquarters—Director, Earth Science Division].

NASA's Virtual Event Platform

Now in its second year, the Science Support Office continues using the 6CONNEX/Communiqué virtual event platform for agency use, with over 80 NASA employees trained to use the platform. The platform was used to support 13 NASA virtual events from October 1, 2021, to September 30, 2022. New this year, the team worked with **Betsy Sirk** [Chairperson, Federal CIO Council Accessibility Community of Practice Industry Outreach Program] and **Curtis O'Keefe** [Communiqué Conferencing] to revise the Section 508 Accessibility Conformance Report (ACR) for the agency's use of the 6CONNEX virtual event platform—including a new 508 button in the platform. Also new this year, the team negotiated for inclusion of the Webinar.net licensing package. Webinar.net is a third-party webcasting platform, which is fully integrated with our virtual event platform, facilitating efficient, high-quality webcasting options to accompany any existing virtual environments. The Real Time Messaging Protocol (RTMP) feed is an additional Webinar.net feature that allows event organizers to quickly and easily prepare high-fidelity live streams for broadcast within the platform, without having to consider the compatibility of any existing streaming software or infrastructure. Overall, this improves the quality of live streams, reduces workload, and gives event organizers more flexibility when considering broadcasting via the Virtual Event Platform.



NASA Virtual Event Platform Proposal Form -

If you're interested in hosting an event via the NASA Virtual Event Platform, please complete the required fields below to initiate the event approval and planning process.

Click

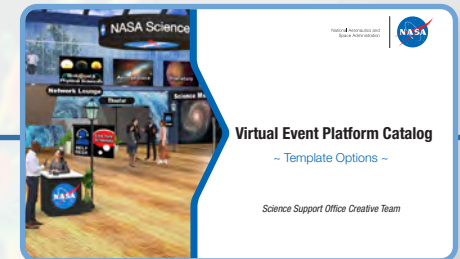


Virtual Event Platform Products and Training

- **An Introduction to the NASA Virtual Event Platform Guide**



- **Virtual Event Platform Catalog**



- **How To Guide for NASA's Virtual Science Exhibit at AMS**



- **Join NASA's Virtual Earth Day Event Flyer**



- **How To Guide for NASA's Virtual Earth Day Event**



- **Virtual Event Training Course Promotion -**
NASA's Share the Science virtual event tool, which is now available for agency use to host virtual experiences and events by requesting a license through NASA NAMS.



Featured Hybrid Conferences and Events

First Ever Hybrid Event: AGU Fall Meeting

The 2021 American Geophysical Union (AGU) Fall Meeting took place December 13–17 in New Orleans, LA, and “Online Everywhere.” Leveraging AGU’s hybrid conference format, the Science Support Office coordinated the first-ever NASA Science exhibit with both in-person and virtual components. In another first, NASA’s AGU virtual exhibit was available to the broader public.

AGU, In Person

NASA Science was among 140 other in-person exhibitors and 31 virtual exhibitors in the Exhibit Hall. The health and safety of all exhibitors and attendees was a top priority, made clear by social-distancing signage, floor stickers, and an overall socially distanced floorplan design and one-way walking path.



AGU, Virtual

The virtual NASA Science exhibit at AGU Fall Meeting was open in tandem with the in-person AGU conference, from December 13–17, 2021. The exhibit featured six different content rooms: Science Theater, Learning Area, Science News, Social, Science Data, and Get Involved.



First Time NASA Participates in Commodity Classic

The Science Support Office implemented a successful hybrid Earth Science exhibit at the 2022 Commodity Classic, held March 10–12, in New Orleans, LA, and online. **NASA Administrator Sen. Bill Nelson** and **Brad Doorn** [NASA Headquarters—*Director of NASA's Water Resources and Agricultural Program*] both recorded welcoming remarks for the Commodity Classic event.

Commodity Classic, In Person

The in-person exhibit included the Hyperwall and a demo/learning area, both proving to be popular as attendees listened and learned about NASA's role in providing satellite and modeling data and tools to monitor crop production, water resources, food security, and others. **Karen St. Germain** [NASA Headquarters—*Director, Earth Science Division*] was very pleased with the exhibit.



Commodity Classic, Virtual

The virtual exhibit was hosted on NASA's virtual platform and included links to relevant fact sheets, pre-recorded demos and presentations, and a live chat.



Featured Hybrid Conferences and Events next page >

First Hybrid Earth Day Event

The Science Support Office planned, managed, and executed the Science Mission Directorate's first-ever hybrid Earth Day Celebration, held in Washington, DC, and online worldwide.

Earth Day, In Person

The in-person event was held April 22–24 at Union Station in Washington, DC, and featured a 40-foot diameter Earth tent, 19 hands-on science activities, science demos, a science gallery, and photo opportunities. The team welcomed **NASA Administrator Sen. Bill Nelson** to the event and guided him on a one-hour tour of all the activities. Nelson was very enthusiastic and enjoyed visiting every learning station. Over 1500 visitors participated in the event.

Round Table Discussion, In Person

On April 22, the Science Support Office managed an invitation-only event held in the Columbus Club at Union Station. This event, held in partnership with the American Geophysical Union (AGU), included participation from NASA scientists, AGU leadership, graduate students, university professors, and high school educators. Many new ideas were exchanged during roundtable conversations focusing on Community Science, Open Science, and Data Visualization.

Earth Day, Virtual

The live day virtual event was held on Earth Day (April 22) and featured live webinars, a chat interface, and Kahoot game challenges. The team custom developed a series of virtual rooms through which participants could navigate and learn about NASA Earth Science. The virtual event remained open until April 30; it had 5577 total registrations; 2057 unique attendees; 16,977 total content views; and 4569 total webinar views. **Astronaut Don Thomas** was the most popular with 1568 webinar views. NASA Kahoot! games totaled 1584 views—with over 800 players. The most popular content items included the Earth Day–Pathways to New Discoveries Poster (1320 views); Science chat (over 200 questions asked/answered); Why NASA Studies Earth video (609 views); and the Live Events flyer (267 views).



First Hybrid American Astronomical Society Meeting

The Science Support Office led the effort to design and run both virtual and in-person NASA exhibits for the 240th American Astronomical Society (AAS) Meeting, held June 12–16, in Pasadena, CA, and online.

AAS, In Person

The in-person exhibit featured seven tables highlighting programs from NASA's Astrophysics, Heliophysics, and Planetary Science Divisions, including James Webb Space Telescope (JWST), Physics of the Cosmos (PCOS)/Cosmic Origins (COR), Hubble Space Telescope, Roman Space Telescope, IXPE, NuSTAR, SPHEREx, XRISM, the High Energy Astrophysics Science Archive Research Center (HEASARC), and more. SSO staff worked with presenters to prepare and deliver 28 Hyperwall presentations during the meeting. **Thomas Zurbuchen** [NASA Headquarters—Associate Administrator, Science Mission Directorate] toured the NASA exhibit.



AAS, Virtual

AAS hosted a virtual exhibit environment using the vFairs platform again this year. The Science Support Office updated several landing pages and graphics from the NASA virtual exhibit created for prior AAS annual meetings.



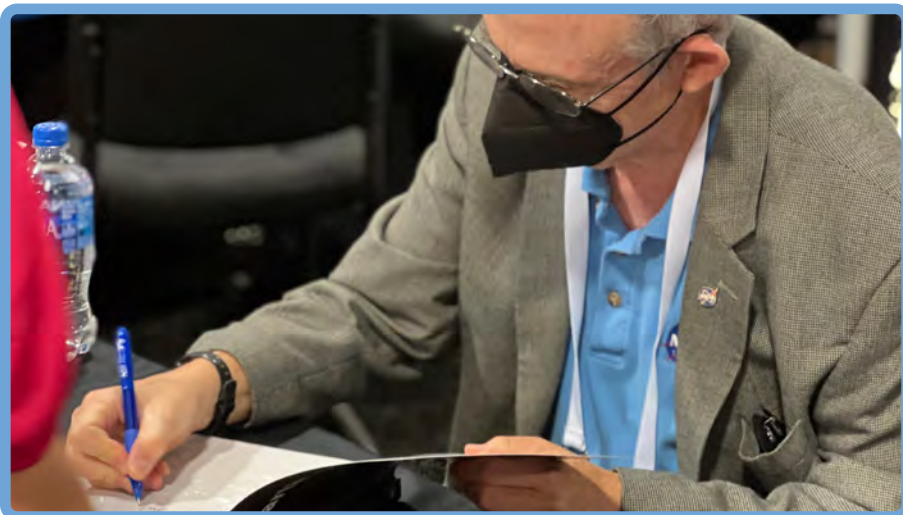
Featured Hybrid Conferences and Events next page >

First Hybrid American Library Association Annual Conference

Science Support Office staff supported both NASA virtual and in-person exhibits during the American Library Association (ALA) Annual Conference and Exhibition, June 24–27, in Washington, DC, and online.

ALA, In Person

The NASA exhibit featured NASA's Universe of Learning, James Webb Space Telescope, Astromaterials, NASA Heliophysics Education Activation Team (HEAT), Global Learning and Observations to Benefit the Environment (GLOBE) Program, NASA@My Library/STAR Net, and Landsat. NASA science experts delivered 30 Hyperwall talks. The team also hosted two book signings for *Earth at Night*, signed by **Jack Kaye** [NASA Headquarters—Associate Director for Research, Earth Science Division] and *Echo the Bat*, signed by **Ginger Butcher** [NASA's Goddard Space Flight Center—Landsat Communications Public Engagement Lead].



ALA, Virtual

The virtual NASA exhibit featured more than 75 NASA Science digital resources specially curated for librarians, including books, videos, interactive games, citizen science projects, posters, podcasts, and many other innovative new ways to explore NASA Science content.



Hybrid Support for the First Images from the James Webb Space Telescope

The dawn of a new era in astronomy began as the world got its first look at the full capabilities of NASA's James Webb Space Telescope, a partnership with the European Space Agency (ESA) and the Canadian Space Agency (CSA) in July 2021.

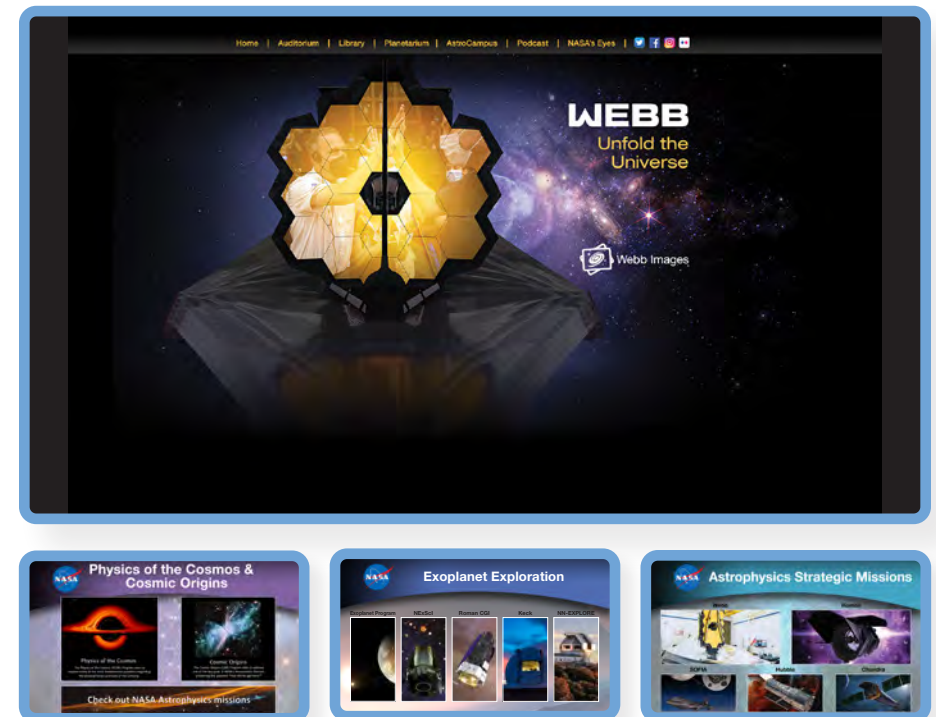
JWST, In Person

The telescope's first full-color images and spectroscopic data were released during a televised broadcast on Tuesday, July 12, 2022, from NASA's Goddard Space Flight Center. The Science Support Office supported the Hyperwall at this event, which was held in the Building 3 auditorium.



JWST, Virtual

Supported by the Science Support Office, the NASA Virtual Event Platform was active for the Webb First Light event, with 3000 participants using the platform and 1400 tuned in to the live broadcast linked through the platform.



Products



**TEMPO
Mission
Brochure**



**2022 NASA
Science Planning
Guide and Calendar
(English and Spanish)**



**Justice, Equity,
Diversity, and Inclusion
(JEDI) Infographic**



**Astrophysics Division's
Compton Spectrometer
and Imager (COSI)
Mission Poster**



**PACE
Mission Brochures**

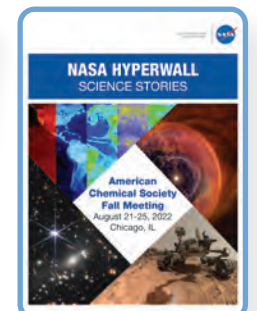
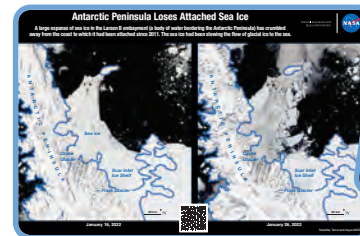


**Table-Top QR Displays
(First Woman and Earth at Night)**



**Kahoot! game,
Earth at Night**

**Various Posters
Supporting In Person
Earth Day Event**



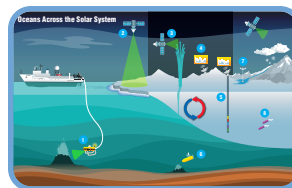
**NASA Hyperwall
Science Stories:
American Chemical
Society Fall Meeting**



**NASA/AGU/StoryCorps
Narratives Project**



Digital Event Signage



**Oceans
Across the
Solar System
Infographic**



**Transforming
Open-Source
Science (TOPS)
Graphic**



**The
Earth Observer
Newsletter**

- September – October 2021
- November – December 2021
- January – February 2022
- March – April 2022
- May – June 2022
- July – August 2022



The Earth Observer Goes Fully Digital!



Beginning with the January–February 2023 issue, *The Earth Observer* will be published exclusively online in a digital format. Discontinuing *The Earth Observer* as a print publication after almost 34 years was a difficult decision to make; however, we believe it is the best choice to position the publication to thrive in a future where communication is increasingly digital. Over 4000 U.S. and international subscribers are being encouraged to **Go Green by signing up** to receive an email notification when each new issue is published online.

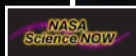
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Hyperwall Catalog
svs.gsfc.nasa.gov/hw



NASA Science Now
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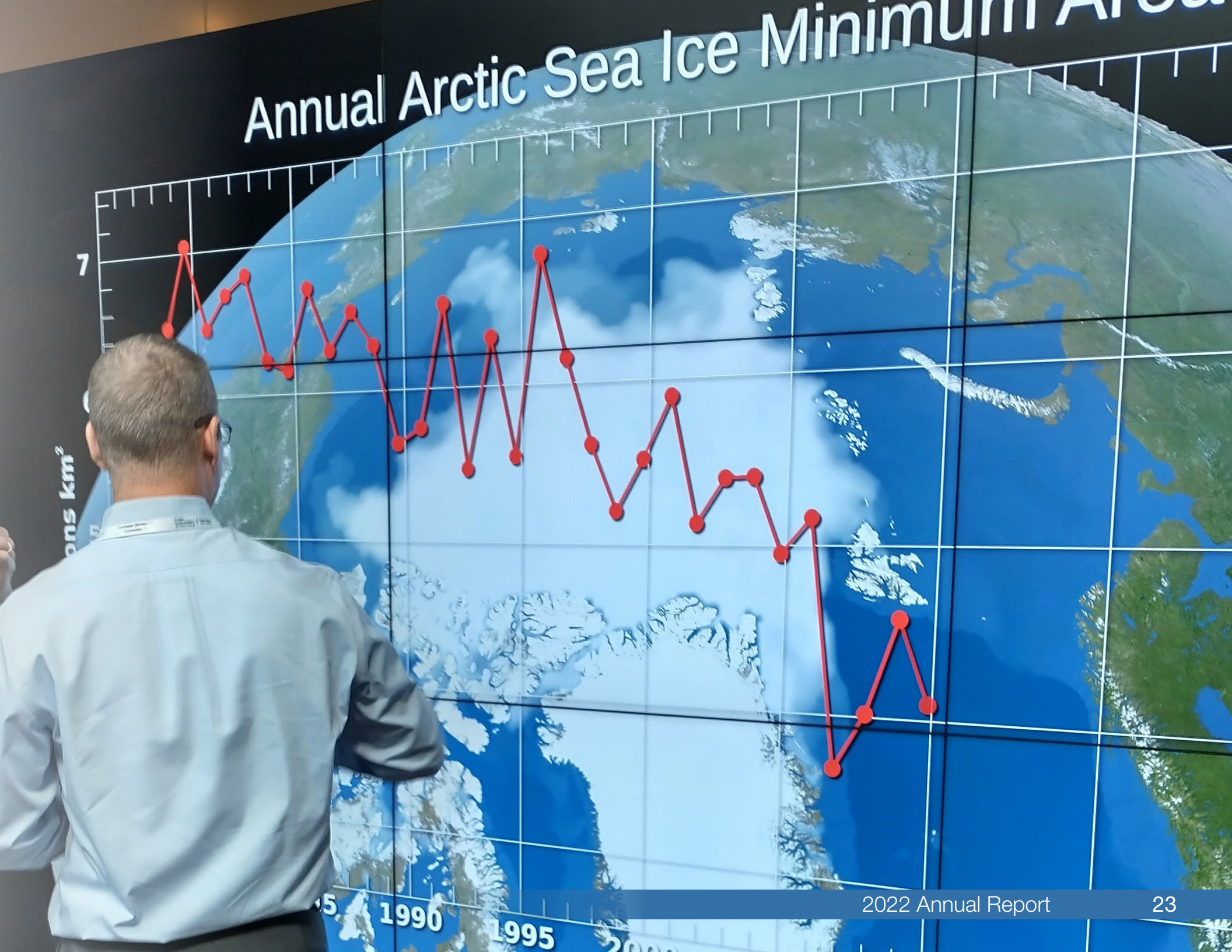
Hyperwall Content

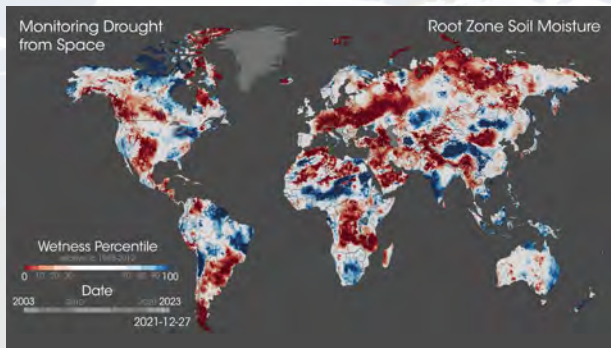
One of the most popular means of communication at NASA exhibits in recent years is a testament to the innovation of the Science Support Office and its commitment to remain on the cutting edge of communications technologies. The Hyperwall is a video wall capable of displaying multiple high-definition data visualizations and/or images simultaneously across an arrangement of screens. When this technology was emerging, the office staff saw potential for a new approach to storytelling at exhibits. The Hyperwall made its debut in 2011 and immediately added a whole new dimension to NASA exhibits and is now immensely popular.

For many of the meetings where the Hyperwall is used, the Science Support Office recruits a line-up of speakers to help explain phenomena, ideas, or examples of world change; the staff provide technical support, helping presenters prepare the material they wish to share in formats appropriate for the Hyperwall. Many of the existing Hyperwall stories reveal change across space and time, while others display large-scale still images; all visuals are accompanied by descriptive, story-telling captions.

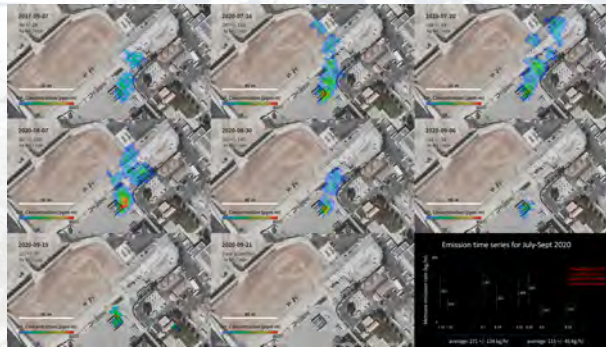
Visit svs.gsfc.nasa.gov to explore more.

Annual Arctic Sea Ice Minimum Area





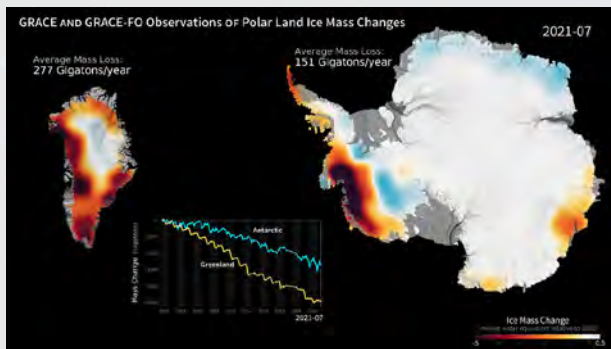
Monitoring Global Groundwater from Space
<https://svs.gsfc.nasa.gov/31178>



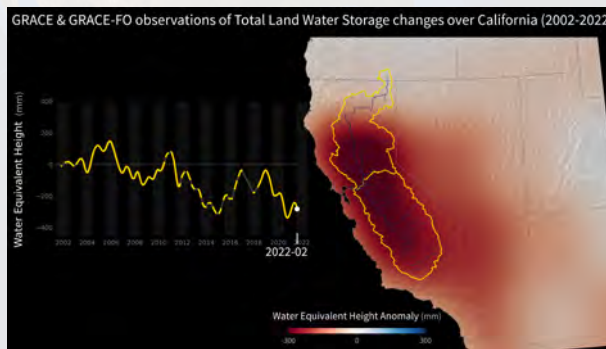
Tracking Power Plant Methane Emissions
<https://svs.gsfc.nasa.gov/31165>



Peru's Shrinking Tropical Ice Caps
<https://svs.gsfc.nasa.gov/31014>



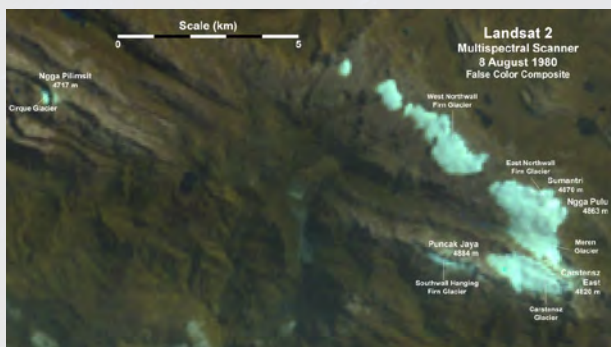
GRACE and GRACE-FO polar ice mass loss
<https://svs.gsfc.nasa.gov/31166>



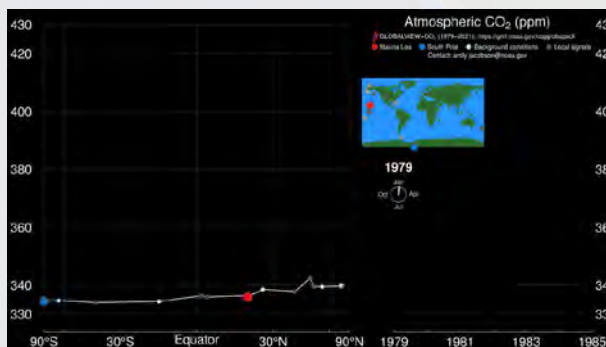
Monitoring California Groundwater
<https://svs.gsfc.nasa.gov/31177>



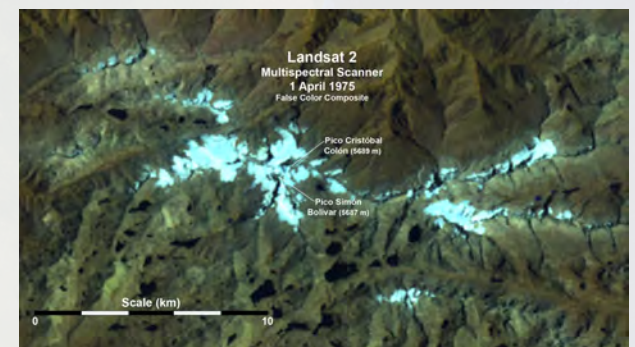
NASA Earth Science Division Missions
<https://svs.gsfc.nasa.gov/30065>



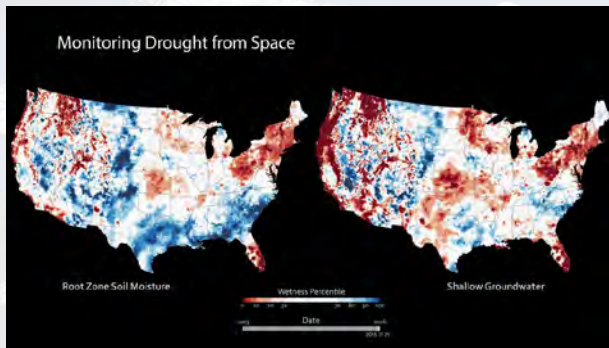
Shrinking Tropical Ice Areas
<https://svs.gsfc.nasa.gov/31161>



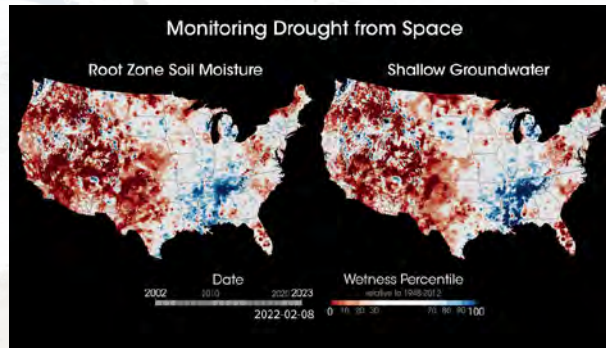
Atmospheric CO₂ Trends
<https://svs.gsfc.nasa.gov/30556>



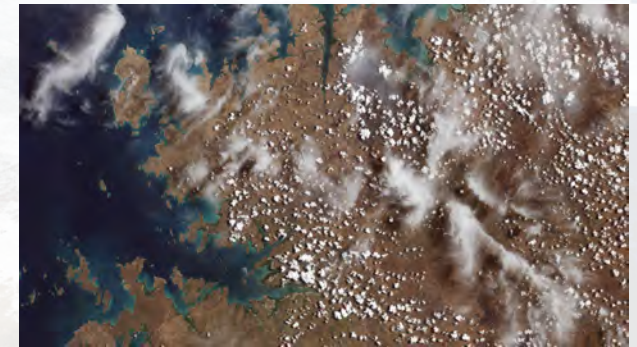
Fading Ice Areas of Northern South America
<https://svs.gsfc.nasa.gov/31169>



High-Resolution Soil Moisture Maps
<https://svs.gsfc.nasa.gov/30730>



Two Decades of Soil Moisture from Space
<https://svs.gsfc.nasa.gov/31176>



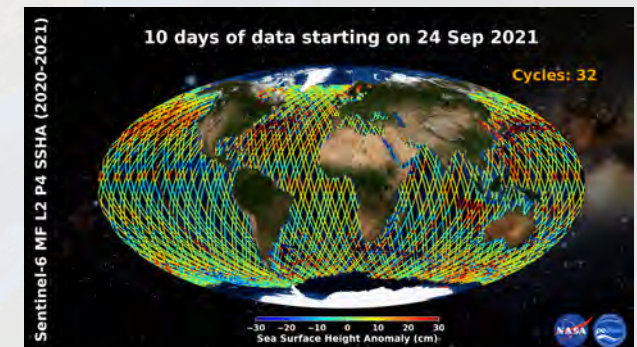
First Light from Landsat 9
<https://svs.gsfc.nasa.gov/31172>



Early Release Science images of Jupiter
<https://svs.gsfc.nasa.gov/31191>



James Webb's Science Mission Begins: First Light Images
<https://svs.gsfc.nasa.gov/31186>



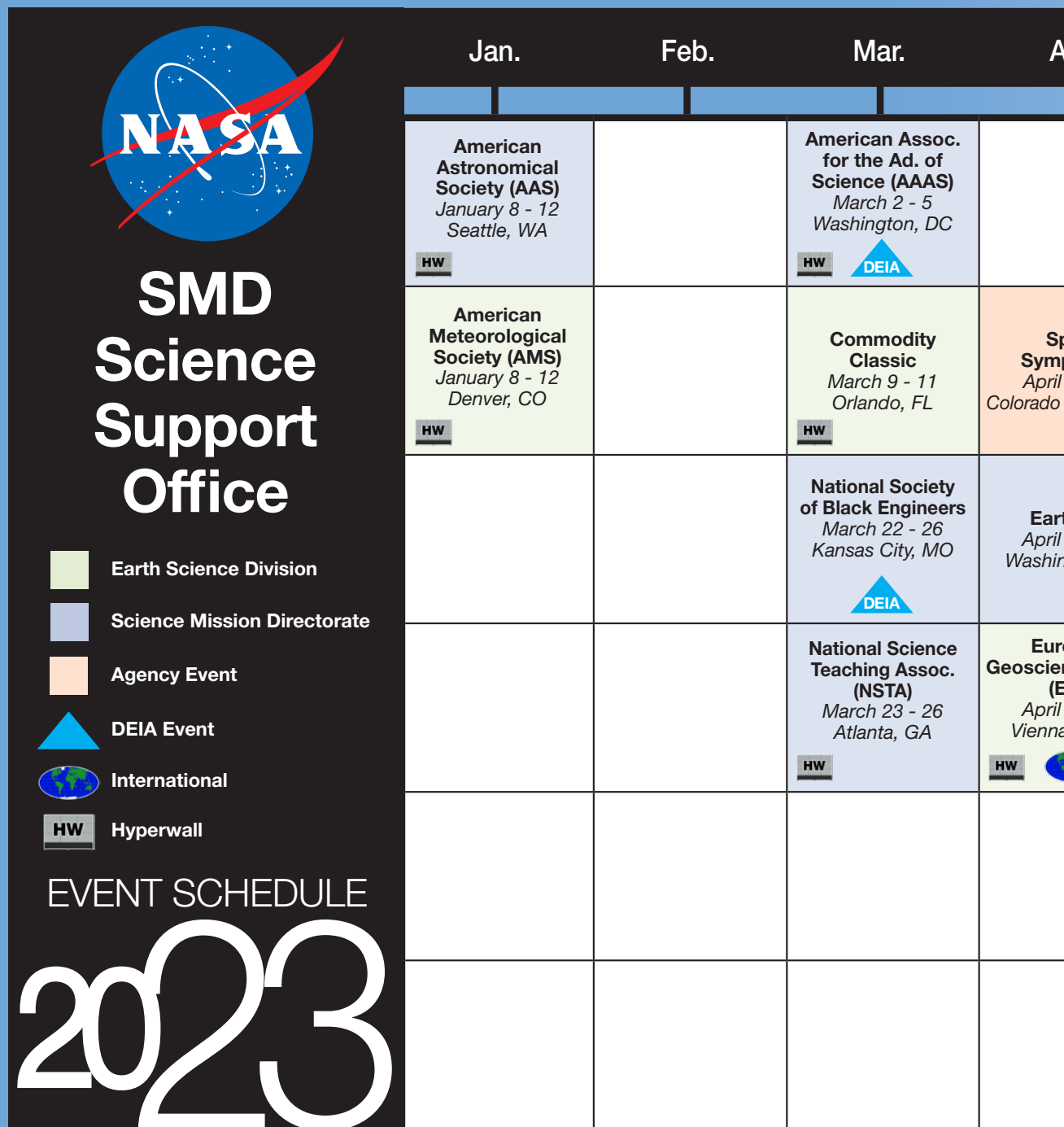
Sea Surface Height Anomaly from Sentinel-6 MF (Michael Freilich)
<https://svs.gsfc.nasa.gov/31174>









Webb's Science Mission Begins:
 First Light Images As Compared to Hubble
<https://svs.gsfc.nasa.gov/31188>

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Looking Ahead 2023 Event Timeline



Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		Global Council for Science and the Environment June TBD HW	Intl. Union of Geodesy and Geophysics (IUGG) July 13 - 17 Berlin, Germany HW 	Small Satellite Conference August 5-10 Logan, UT		Assoc. of Science-Technology Centers (ASTC) October 7 - 10 Charlotte, NC		UNFCCC COP28 November 30 - December 12 United Arab Emirates HW 
Space Symposium July 17 - 20 Colorado Springs, CO			Intl. Geoscience and Remote Sensing Symp. (IGARSS) July 16 - 21 Pasadena, CA HW	Ecological Society of America (ESA) August 6 - 11 Portland, OR HW		October 14 Balloon Festival Albuquerque, NM OR Annular Solar Eclipse Western US	Am. Soc. for Grav. and Space Research (ASGR) November 8 - 11 Washington, DC	American Geophysical Union (AGU) December 11 - 15 San Francisco, CA HW
Earth Day April 22 - 23 Washington, DC	American Thoracic Society May 19 - 24 Washington, DC HW			American Chemical Society (ACS) August 13 - 17 San Francisco, CA HW		Geological Society of America (GSA) October 15 - 18 Pittsburgh, PA HW	National Society of Black Physicists November TBD DEIA	
European Geosciences Union (EGU) May 23 - 28 Vienna, Austria 	Japan Geoscience Union (JpGU) May 21 - 25 Makuhari, Chiba, Japan HW 	American Library Association (ALA) June 22 - 27 Chicago, IL HW	Asia Oceania Geosciences Society (AOGS) July 30 - August 4 Singapore HW 			WCRP Open Science Conference October 23 - 27 Kigali, Rwanda HW 	Out in STEM (oSTEM) November TBD DEIA	
			ISS Research and Develop. Conf. (ISSRDC) July 31 - August 3 Seattle, WA		Nat. Org. Prof. Adv. of Black Chemists and Chem. Engineers September TBD DEIA	ASCEND October 23 - 28 Las Vegas, NV		
						Soc. for Ad. Chicanos/His. and Native Am. in Sci. (SACNAS) October 26 - 28 Portland, OR DEIA		

20

Oct.

Association of Science-Technology Centers
October 19–21
Canceled

Nov.



Virtual SMD Science Exhibit Team Meeting
November 30

Science Day on the Hill
November-December timeframe
Postponed

Dec.



American Geophysical Union
December 1–7

21

Jan.



Global Council for Science Environment (formerly NCSE)
January 5–9



American Meteorological Society
January 10–14



American Astronomical Society
January 11–15

COSPAR
Sydney
January 28–February 4
Canceled

Feb.

American Association for the Advancement of Science
February 8–11
Canceled

Looking Back

2020/2021 Conferences and Events

Mar.

Apr.

May

June

July

Aug.

Sept.



Earth Day
April 21—25



**European
Geosciences
Union**
April 22—28



**Maryland
Library
Association**
May 3—6



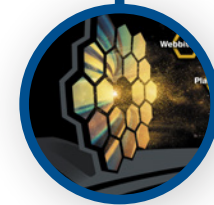
**Japan
Geoscience
Union**
June 3—6



**American
Library
Association**
June 23—29



**Asia Oceania
Geosciences
Society**
August 1—6



**James Webb
Space Telescope
STEAM Day**
September 30

19

Sept.



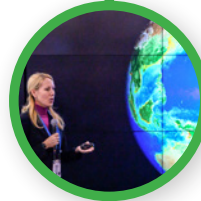
Ocean Obs
Honolulu
September 16–19

Oct.



Pecora/ISRSE
Baltimore
October 8–10

Nov.



**American
Public Health
Association**
Philadelphia
November 3–5

Dec.



**American
Geophysical
Union Centennial**
San Francisco
December 9–13

20

Jan.



**American
Astronomical
Society**
Honolulu
January 4–8

Feb.



**American
Association for
the Advancement
of Science**
Seattle
February 13–16



**Association
of Science-
Technology Centers**
Toronto
September 21–24



**International
Astronautical
Congress**
Washington, DC
October 21–25



**National
Council for
Science and the
Environment**
Washington, DC
January 6–9



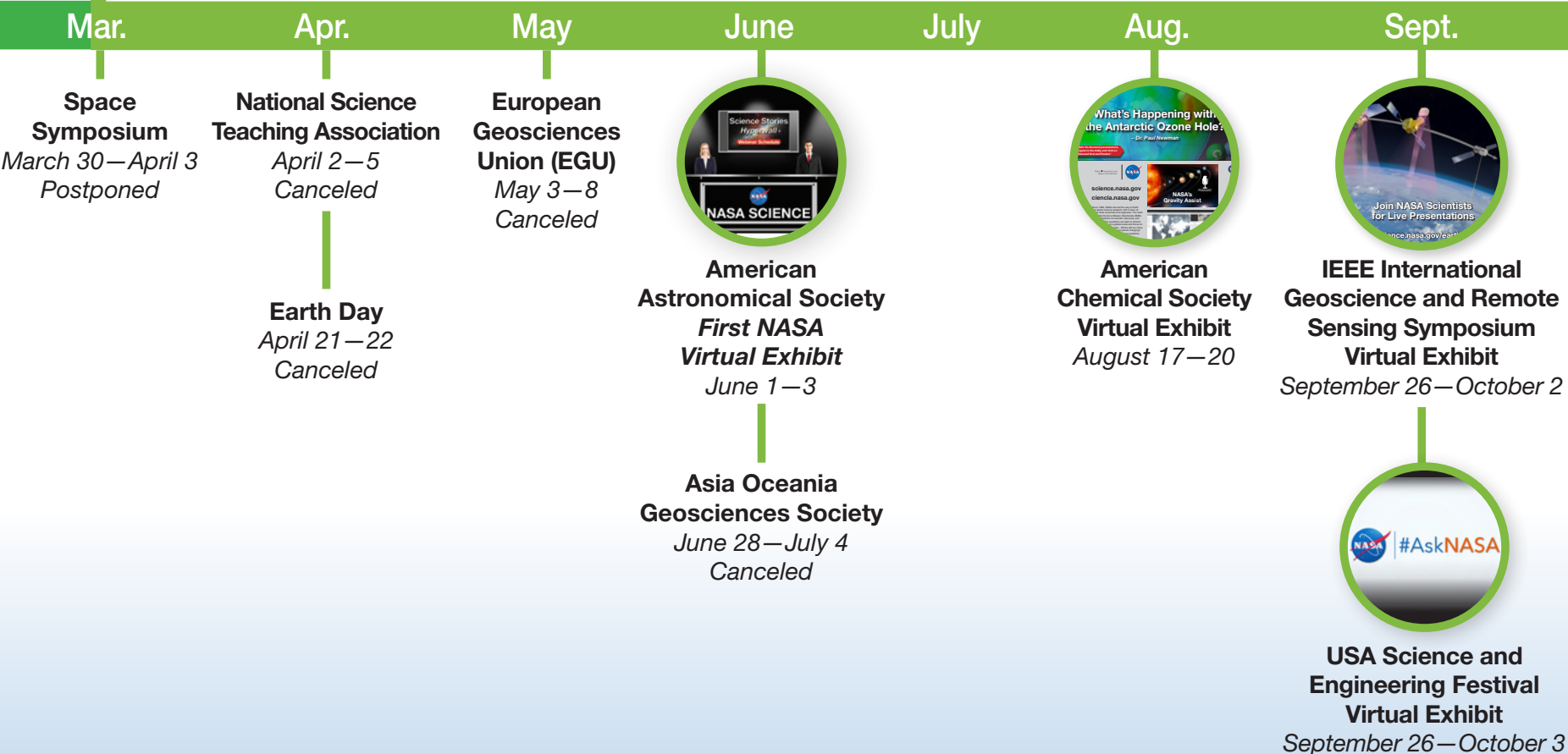
Ocean Sciences
San Diego
February 16–21



**Geological Society
of America**
Phoenix
September 22–25

9 Restrictions Begin

March 16, 2020



Looking Back
2019/2020 Conferences and Events

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NASA's Science Support Office Annual Report

