



AGU 2016 FALL MEETING

NASA Earth Science Division, Applied Sciences Program Summary of Affiliated Sessions and Events

This summary includes the events and sessions led by people affiliated with the NASA Applied Sciences Program as well as several important Earth Science Division-related sessions. See the AGU website or app for specific presentations and posters.

Events are arranged by day so you do not have to bring the entire list to the conference every day. Hyperwall talks and flash talks in the exhibit hall are grouped first, listed chronologically. They are followed by the poster sessions, oral sessions, and town halls as a group. The titles of all poster sessions, oral sessions, and town halls are all active hyperlinks that will pull up each session's AGU conference webpage in a web browser.

In addition to these sessions, AGU has again organized many talks and posters into interdisciplinary SWIRLS. Much like the Applied Sciences Program itself, SWIRLS cut across multiple disciplines to address a particular theme. The *Science and Society*, and the *Extreme Events and Hazards* SWIRLS address themes with many papers that should be interesting to the Program.

Two special events will also be of interest to the Earth Science applications community. On Monday night in the Exhibition Hall, the division directors of NASA Earth Science, Planetary Science, and Heliophysics will host an opening night reception with three talks. On Wednesday night, Ignite takes over the Infusion Lounge in San Francisco to host quick-hitting talks on a wide variety of subjects.

See you at AGU!

ENLIGHTEN US, BUT MAKE IT QUICK!
WEDNESDAY DECEMBER 14 | 6 – 8:30PM | INFUSION LOUNGE



For all the details <http://esipfed.org/igniteAGU2016>



SUNDAY, 11 DECEMBER 2016

08:00 - 12:30 SAN FRANCISCO MARRIOTT MARQUIS – SALON 2-3

Communicating Science with Any Audience Workshop

Note: invitation or application required

08:00 – 16:00 SAN FRANCISCO MARRIOTT UNION SQUARE – THE SAVOY, 30TH FLOOR

NASA SMD Annual Communication Meeting

Note: invitation or application required; Meeting full

08:00 - 17:00 SAN FRANCISCO MARRIOTT MARQUIS – SALON 7

Hooking Undergraduates into Geophysics Data and Methods (GPS, Lidar, InSAR, Photogrammetry) Through Societally Important Issues

Note: invitation or application required



MONDAY, 12 DECEMBER 2016

08:00 - 10:00 MOSCONE SOUTH – 304

PA11D GEOValue: Addressing Best Practices for Assessing the Societal Impact and Value of Geospatial Information Based on Use Cases I

Conveners: *Franciose Pearlman, Richard Bernkopf, Molly Macauley, and Lawrence Friedl*

08:00 - 12:00 MOSCONE WEST – 2001A

AGU Cinema: Short Films on Science

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

GC11D Linking Climate Drivers to Biological Response from Species to Ecosystems I Posters

Conveners: *Allison Leidner and Woody Turner*

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

PA11B Building Sustained Capacity to Use Earth Observations to Enhance Environmental Management Decisions, Actions, and Policy Posters

Conveners: *Kent Ross, Nancy Searby, Senay Habtezion, and Alyssa Whitcraft*

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

G11A New Frontiers, Challenges, and Opportunities for Vertical Motion Observations and Glacial Isostatic Adjustment Modeling I Posters

Conveners: *Michael Floyd, Thomas James, David Phillips, and Volker Klemann*

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

NH11B Unmanned Aerial Systems (UAS) in the Geosciences I Posters

Conveners: *Peter Webley, David Pieri, Matthew Fladeland, and Alexander Braun*

10:20 - 12:20 MOSCONE WEST – 2020

GC12A Human and Ecosystem Health in a Changing World I

Conveners: *Vivienne Payne, Jessica Neu, Allison Ray Crimmins, and Marcus Sarofim*

10:20 - 12:20 MOSCONE WEST – 2022/2024

U12A Observing Earth’s Water from Space: Scientific Opportunities and Societal Applications

Conveners: *Dalia Kirschbaum, Deborah Vane, Susan van den Heever, and Alexis Berne*

10:20 - 12:20 MOSCONE WEST – 3009

C12A Dust, Black Carbon, and Other Aerosols in the Cryosphere I

Conveners: *McKenzie Skiles, Tom Painter, John Burkhardt, and Monica Arienzo*

11:00 – 13:00 BUCA DI BEPPO, 855 HOWARD ST.

AGU Capacity Building Lunch – please RSVP to Alyssa Whitcraft by December 7.

12:30 - 13:30 MOSCONE WEST – 2016

TH13I Strategies for Attracting and Advancing a Diverse Geoscience Workforce

Conveners: *Erika Marin-Spiotta, Aisha Renee Morris, Seti Sidharta, Robert Liebermann, Ashanti Johnson, and Melissa Burt*

12:30 - 13:30 MOSCONE WEST – 2002

TH13F NASA SnowEx - Enhancing new sensing technologies to retrieve snow water equivalent in forested and other lands

Convener: *Do-Hyuk “DK” Kang*



13:40 - 15:40 MOSCONE WEST – 3001

GC13I Linking Climate Drivers to Biological Response from Species to Ecosystems II

Conveners: Allison Leidner and Woody Turner

13:40 - 15:40 MOSCONE WEST – 2004

G13C New Frontiers, Challenges, and Opportunities for Vertical Motion Observations and Glacial Isostatic Adjustment Modeling II

Conveners: Volker Klemann, David Phillips, Michael Floyd, and Thomas James

13:40 - 15:40 MOSCONE WEST – 3002

H13Q Global Floods: Forecasting, Monitoring, Risk Assessment, and Socioeconomic Response I

Conveners: Huan Wu, Dennis Lettenmaier, Donglian Sun, and Philip Ward

13:40 - 15:40 MOSCONE WEST – 2022/2024

U13A Earth's Future: The Food-Water-Energy Nexus

Conveners: Ben van der Pluijm, Nancy Grimm, Michael Ellis, and Guy Brasseur

13:40 - 15:40 MOSCONE SOUTH – 310

NH13B Unmanned Aerial Systems (UAS) in the Geosciences II

Conveners: Peter Webley, David Pieri, Matthew Fladeland, and Alexander Braun

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

PA13C GEOValue: Addressing Best Practices for Assessing the Societal Impact and Value of Geospatial Information Based on Use Cases II Posters

Conveners: Franciose Pearlman, Richard Bernkopf, Molly Macauley, and Lawrence Friedl

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

C13B Dust, Black Carbon, and Other Aerosols in the Cryosphere II Posters

Conveners: McKenzie Skiles, Tom Painter, John Burkhardt, and Monica Arienzo

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

GC13B Human and Ecosystem Health in a Changing World II Posters

Conveners: Vivienne Payne, Jessica Neu, Allison Ray Crimmins, and Marcus Sarofim

14:30 - 15:45 MOSCONE WEST – 2001A

Sharing Science Communication Clinic

Conveners: AGU Sharing Science staff and other communications professionals

16:00 - 18:00 MOSCONE WEST – 3022

H14C Global Precipitation Measurement, Validation, and Applications II

Conveners: Yang Hong, Ramesh Kakar, Gail Skofronick Jackson, and Walter Petersen

18:15 - 19:15 MOSCONE SOUTH – 104

TH15B Kickoff Conversation on the Importance of Data in the Earth and Space Sciences: A Conversation with Rebecca Moore, Director of Google Earth, Earth Engine & Outreach

Contact: Shelley Stall; Presenter: Brooks Hanson

18:15 - 19:15 MOSCONE WEST – 2016 NOTE CONFLICT WITH NASA RECEPTION IN THE EXHIBIT HALL.

TH15D NASA Earth Science Division Town Hall

Conveners: Jack Kaye, Michael Freilich, Lawrence Friedl, George Komar, Pat Jacobberger-Jellison, Sandra Cauffman, Eric Ianson, and Thomas Zurbuchen



18:00 - 20:00 RECEPTION – EXHIBIT HALL – HYPERWALL – NOTE CONFLICT WITH ESD TOWN HALL

CYGNSS, the Cyclone Global Navigation Satellite System – *Ramesh Kakar*

The Habitability of Terrestrial Planets – *Jim Green*

Heliophysics: Exploring the New Wilderness – *Steve Clarke*



TUESDAY, 13 DECEMBER 2016

10:45 - 11:00 EXHIBIT HALL - HYPERWALL

NASA Global Climate Observations: Discover How Satellites See Climate change – *Jack Kaye*

11:15 - 11:30 EXHIBIT HALL - HYPERWALL

Ocean Salinity – *Eric Lindstrom*

11:45 - 12:00 EXHIBIT HALL - HYPERWALL

Improving Global-Scale Earth Observation Data and Products to Halt Illegal, Unregulated, and Unreported Fishing – *Miguel Roman*

12:00 - 13:00 EXHIBIT HALL - HYPERWALL

Special Presentation: Grand Prize Winners of 2016 AGU Data Visualization and Storytelling Competition – *Mejs Hasan, Matthew Ross, and John Granholm*

13:00 - 13:07 EXHIBIT HALL - HYPERWALL

Satellite Precipitation Data: A Reservoir for Applications Users – *Dalia Kirschbaum*

13:20 - 13:27 EXHIBIT HALL - HYPERWALL

Wildland Fire: Hot and Getting Hotter – *Amber Soja*

13:50 - 13:57 EXHIBIT HALL - HYPERWALL

From Remote Sensing Dud to Stud – The ARSET Experience – *Amber Jean McCullum*

14:50 - 14:57 EXHIBIT HALL - HYPERWALL

A Deeper Look into California’s Water Resources – *Brittany Zajic*

15:00 - 15:15 EXHIBIT HALL - HYPERWALL

NASA’s Earth Observation Capabilities: Meeting the Challenges of Climate and Environmental Change – *Michael Freilich*

15:30 - 15:45 EXHIBIT HALL - HYPERWALL

Global Precipitation Measurements for Science and Society – *Gail Skofronick-Jackson*

15:45 - 16:00 EXHIBIT HALL - HYPERWALL

Earth Observations for Global Water Knowledge – *John Bolten*

16:15 - 16:30 EXHIBIT HALL - HYPERWALL

Global Agriculture Monitoring Initiative – *Bradley Doorn*

16:30 - 16:45 EXHIBIT HALL - HYPERWALL

Space Weather and the Ionosphere – *Alex Young, Living With a Star (Heliophysics applications)*

08:00 - 10:00 MOSCONE SOUTH – MOSCONE WEST 3002

G21C Recent Advances in the Application of InSAR and High-Resolution Geodetic Data for Crustal Deformation Research I

Conveners: Manoochehr Shirzaei, Roland Burgmann, and David Bekaert

08:00 - 12:00 MOSCONE WEST – 2001A

AGU Cinema: Short Films on Science

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

GC21D Climate Change Impacts on Inland Waters I Posters

Conveners: Jay Austin, John Lenters, Simon Hook, and David Hamilton



08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

GC21C Carbon Monitoring Systems Research and Applications I Posters

Conveners: George Hurtt and Peter Griffith

09:00 - 10:00 MOSCONE WEST – 2022/2024

A210 Charney Lecture: Making Sense of U.S. Air Quality

Speaker: Daniel Jacob; Conveners: Bill Lau, Joyce Penner, and Shuyi Chen

09:00 - 10:00 MOSCONE SOUTH – 104

NH21D White Lecture: Slow Onsets, Abrupt Changes, and Fast Reflexes: Learning from Climate Hazards in a Changing World

Speaker: Roger Pulwarty; Conveners: Upmanu Lall and Ramesh Singh

10:20 - 12:20 MOSCONE WEST – 3002

G22A Recent Advances in the Application of InSAR and High-Resolution Geodetic Data for Crustal Deformation Research II

Conveners: Manoochehr Shirzaei, Roland Burgmann, and David Bekaert

10:20 - 12:20 MOSCONE WEST – 3016

GC22C Use of Earth Observations in Mitigating Major Environmental Challenges in South and Southeast Asia I

Conveners: William Crosson, Mir Matin, and Birendra Bajracharya; Chairs: Peeranan Towashiraporn, Eric Anderson, David Ganz, and Ashutosh Limaye

12:30 - 13:30 MOSCONE WEST – 2007

TH23L Study Update: ESAS 2017, The 2017-2027 Decadal Survey for Earth Science and Applications from Space

Contact: Art Charo; Presenters: Waleed Abdalati and William Gail

12:30 - 13:30 MOSCONE WEST – 2009

TH23K NASA Planetary Sciences Division Town Hall

Presenters: Jim Green and Thomas Zurbuchen

12:30 - 13:30 MOSCONE WEST – 2018

TH23G NASA Sea Level Change Team Town Hall

Conveners: Steven Nerem and Carmen Boening

12:30 - 13:30 MOSCONE WEST – 2002

TH23A AGU Data Fair: Data Skills Recommended for Researchers and Scientists

Contact: Shelley Stall; Presenters: Erin Robinson, Yolanda Gil, Arfon Smith, John Leeman, Kerstin Lehnert, and Brooks Hanson

12:30 - 13:30 MOSCONE WEST – 2020

TH23E Future Earth – Research Agenda and Opportunities for Global Sustainability

Presenters: Thorsten Kiefer, Bruce Glavovic, Eileen Hofmann, Robert Jackson, Joshua Tewksbury, and Maria Uhle

12:30 - 13:30 MOSCONE WEST – 2004

TH23I PACE: NASA’s Next Generation Aerosol, Cloud and Ocean Color Satellite Mission

Conveners: Stephanie Schollaert Uz, Jeremy Werdell, Paula Bontempi, Hal Maring, Woody Turner, Ali Omar, and Lorraine Remer

12:30 - 14:00 MOSCONE NORTH – 120/121

Sharing Science in Plain English (Panel & Lunch)



13:40 - 15:40 MOSCONE NORTH – HALL E

U23A The Path Forward from Paris, One Year Later

Conveners: Denis-Didier Rousseau and Margaret Leinen

13:40 - 15:40 MOSCONE WEST – 3003

GC23J Climate Change Impacts on Inland Waters II

Conveners: Jay Austin, John Lenters, Simon Hook, and David Hamilton

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

GC23G Use of Earth Observations in Mitigating Major Environmental Challenges in South and Southeast Asia II Posters

Conveners: William Crosson, David Ganz, Peeranan Towashiraporn, Eric Anderson, Birendra Bajracharya, Mir Martin, and Ashutosh Limaye

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

H23F Global Precipitation Measurement, Validation, and Applications IV Posters

Conveners: Yang Hong, Ramesh Kakar, Gail Skofronick Jackson, Walter Petersen, Pierre Kirstetter, and Dalia Kirschbaum

14:00 - 15:45 MOSCONE WEST - 2001A

The Next Frontier: Science Communication and Outreach Workshop for Established Scientists

17:00 – 18:00 MOSCONE WEST – 3000

Press Conference: Integrating scientific research into local decision making

Participants: Jeffrey Deems, Daniel Ferguson, Tom Painter, Karim-Aly Saleh Kassam

18:15 - 19:15 MOSCONE WEST – 2003

TH25A Advancing Global Water Sustainability

Contact: Richard Lawford; Presenter: Brad Doorn

18:15 - 19:15 MOSCONE WEST – 2011

TH25D Latest News on NSF Geosciences

Presenter: Roger Wakimoto

18:15 - 19:15 MOSCONE WEST – 2016

TH25G The Agricultural Model Intercomparison and Improvement Project (AgMIP) Town Hall

Contact: Cynthia Rosenzweig; Presenters: Jonathan Winter, Bruno Basso, and Sonali Prabhat McDermid

18:15 - 19:15 MOSCONE WEST – 2004

TH25B How is NASA opening up options for obtaining Earth System Science Measurements from Non-Governmental Small Satellite sources?

Contact: Christine Bonniksen; Presenters: Michael Seablom, William Blackwell, Christina Moats-Xavier, and Michael Freilich



WEDNESDAY, 14 DECEMBER 2016

09:45 – 10:00 EXHIBIT HALL – HYPERWALL

Space Weather and the Ionosphere – *Alex Young*

10:00 - 10:15 EXHIBIT HALL – HYPERWALL

Story on Arctic Ice – *Thomas Wagner*

10:45 - 11:00 EXHIBIT HALL – HYPERWALL

Earth observations Supporting Wildfire Management – *Vincent Ambrosia*

11:15 - 11:30 EXHIBIT HALL – HYPERWALL

Surface Water & Ocean Topography (SWOT) Mission – *Tamlin Pavelsky*

12:00 - 13:00 EXHIBIT HALL – HYPERWALL

Special Presentation: Grand Prize Winners of 2016 AGU Data Visualization and Storytelling Competition – *DEVELOP participant Allison Daniel, Kaytan Kelkar, and DEVELOP participant Sara Lubkin*

14:10 - 14:17 EXHIBIT HALL – HYPERWALL

Wildfire Destruction: A Changing Fire Regime Threatens Idaho Fauna – *Jenna Williams*

15:00 - 15:15 EXHIBIT HALL – HYPERWALL

NASA's Earth Observation Capabilities: Meeting the Challenges of Climate and Environmental Change – *Michael Freilich*

15:15 - 15:30 EXHIBIT HALL – HYPERWALL

Heliophysics: Exploring the New Wilderness – *Steve Clarke*

15:30 - 15:45 EXHIBIT HALL – HYPERWALL

The Habitability of Terrestrial Planets – *Jim Green*

08:00 - 10:00 MOSCONE SOUTH – 102

NH31B Landslide Hazard, Runout Dynamics, Vulnerability, and Risk Analysis I

Conveners: Dalia Kirschbaum, Paola Reichenbach, and Hiroshi Fukuoka

08:00 - 10:00 MOSCONE WEST – 3004

A31N Remote Sensing of CH₄ and CO₂ from Space: Moving toward an Observing System I

Conveners: Annmarie Eldering, Christopher O'Dell, Anna Michalak, and Charles Miller

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

A31E Data Assimilation and Inverse Modeling of the Atmospheric Composition I Posters

Conveners: Avelino Arellano, Daven Henze, and Pablo Saide

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

G31A Global Navigation Satellite System for Geoscience and Hazards Applications I Posters

Conveners: Tony Song, Tonie van Dam, Shuanggen Jin, and Yehuda Bock

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

GC31G New Approaches to Sustained Climate Assessment in the U.S.: Progress, Collaborations across Scales, and Tools I Posters

Conveners: Fred Lipschultz and Emily Cloyd

09:00 - 09:55 MOSCONE SOUTH – 104

GC31K Bolin Lecture: Interweaving climate research and public understanding

Speaker: Alan Betts; Conveners: David Cairns, Rong Fu, Ellen Mosley-Thompson and Ali Omar



10:20 - 12:20 MOSCONE WEST – 3003

GC32B Global Environmental Change New Fellows Lectures

Speakers: Jonathan Overpeck, Claire Parkinson, Julie Brigham-Grette, and Weijian Zhou; Conveners: David Cairns, Rong Fu, Ellen Mosley-Thompson, and Ali Omar

10:20 - 12:20 MOSCONE WEST – 2000

IN32A Near Real-Time Data for Earth Science and Space Weather Applications I

Conveners: Michael Goodman, Gerald Bawden, Kevin Murphy, and James Spann

10:30 - 12:30 MOSCONE NORTH – 120/121

Communicating Your Science: Ask the Experts

11:30 – 12:30 MOSCONE WEST – 3000

Press Conference: Thomas Zurbuchen (Media Availability)

Participants: Thomas Zurbuchen

12:30 - 13:30 MOSCONE WEST – 2005

TH33H Toward an interagency collaborative modeling framework for multi-sector, multi-stressor, multi-scale impacts and adaptation analysis

Contact: Gerald Geernaert; Presenter: Robert Vallario

12:30 - 13:30 MOSCONE WEST – 2006

TH33I U.S. Group on Earth Observations (USGEO) Town Hall

Contact: Jason Gallo; Presenters: Suzette Kimball, Lawrence Friedl, Patrick Harr, Jeff de la Beaujardiere, and Barbara Ryan

12:30 - 13:30 MOSCONE WEST – 2016

TH33E In Pursuit of More Effective Decisions and Societal Benefits Using NASA Ice, Cloud and land Elevation Satellite-2 Data - Town Hall

Contact: Sabrina Delgado Arias; Presenters: Thomas Neumann, Vanessa Escobar, Molly Brown, Michael Jasinski, and Fritz Policelli

12:30 - 13:30 MOSCONE WEST – 2020

TH33G NASA Operation IceBridge Open Town Hall Meeting

Contact: Nathan Kurtz; Presenters: Joseph MacGregor, Eric Rignot, Thomas Wagner, Thorsten Markus, and Jacqueline Richter-Menge

12:30 - 13:30 MOSCONE WEST – 2003

TH33A AGU Data Fair: Data Management Plan Development and Management Best Practices

Contact: Shelley Stall; Moderator: Carly Strasser, Panelists: Kerstin Lehnert, Stephanie Sims, Mary Voytek, Erin Robinson, and Brooks Hanson

12:30 - 13:30 MOSCONE NORTH - 123/124

TH33J Strategic Direction for the Future of AGU's Meetings Program

Contact: Lauren Parr; Presenters: Denis-Didier Rousseau and Richard Murnane

12:30 - 14:00 MOSCONE NORTH – 120/121

Science Policy 101: A Field Guide to Congress

13:40 - 15:40 MOSCONE WEST – 3004

A330 Remote Sensing of CH4 and CO2 from Space: Moving toward an Observing System III

Conveners: Annmarie Eldering, Christopher O'Dell, Anna Michalak, and Charles Miller



13:40 - 15:40 MOSCONE WEST – 2004

G33C Recent Advances in SAR Technology for Earth Observation I

Conveners: Jingyi Chen, Zhong Lu, Lin Liu, and Thomas Farr

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

PA33C Socioeconomic Impact Analysis for Earth Observation Science Posters

Conveners: Eric Lindquist and Vince Ambrosia

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

PA33B Integrating Science and Users for NASA Mission Development: NASA's New Path Forward in Science Applications Posters

Conveners: Vanessa Escobar and Christine Bonniksen

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

A33B Climate Sensitivity and Feedbacks: Advances and New Paradigms I Posters

Conveners: Brian Kahn, Alexandra Jonko, Mark Richardson, and Mark Zelinka

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

IN33B Near Real-Time Data for Earth Science and Space Weather Applications II Posters

Conveners: Michael Goodman, Gerald Bawden, Kevin Murphy, and James Spann

16:00 - 16:55 MOSCONE WEST – 2022/2024

G34A Bowie Lecture: InSAR Geodesy: The Next Phase

Ivan I Mueller Award for Distinguished Service and Leadership

Paul G. Silver Award for Outstanding Scientific Leadership

Speaker: Mark Simmons; Conveners: Susan Owen and Geoffrey Blewitt

16:00 - 18:00 MOSCONE SOUTH – 306

NH34B Landslide Hazard, Runout Dynamics, Vulnerability, and Risk Analysis II

Conveners: Dalia Kirschbaum, Paola Reichenbach, and Hiroshi Fukuoka

16:00 - 18:00 MOSCONE WEST – 3005

GC34D New Approaches to Sustained Climate Assessment in the U.S.: Progress, Collaborations across Scales, and Tools II

Conveners: Fred Lipschultz and Emily Cloyd

18:00 - 20:30 INFUSION LOUNGE – 124 ELLIS STREET, SAN FRANCISCO





THURSDAY, 15 DECEMBER 2016

09:45 – 10:00 EXHIBIT HALL – HYPERWALL

Story on Arctic Ice – *Thomas Wagner*

10:15 – 10:30 EXHIBIT HALL – HYPERWALL

NASA Earth Observation Systems and Applications for Public Health – *Shobhana Gupta*

09:45 – 10:00 EXHIBIT HALL – HYPERWALL

The Hole Ozone Story – *Richard Eckman*

12:45 – 13:00 EXHIBIT HALL – HYPERWALL

Satellite View of Wildfire – *Amber Soja*

13:00 - 13:07 EXHIBIT HALL – HYPERWALL

Monitoring Landslides from Space – *Dalia Kirschbaum*

14:00 - 14:07 EXHIBIT HALL – HYPERWALL

The Eventful Earth—Seen Through NASA Data in Giovanni – *Jennifer Wei*

14:40 - 14:47 EXHIBIT HALL – HYPERWALL

Delve into Curtain Data with DEVELOP – *Kathleen Moore*

14:40 - 14:47 EXHIBIT HALL – HYPERWALL

Globe Observer: Citizen Scientist Observations in Support of Earth System Science – *Holli Riebeek Kohl*

15:15 – 15:30 EXHIBIT HALL – HYPERWALL

Earth’s Biodiversity: The View from Space – *Allison Leidner/Woody Turner*

15:30 – 15:45 EXHIBIT HALL – HYPERWALL

The Role of Methane in Climate Change – *Daniel Jacob*

16:30 – 16:45 EXHIBIT HALL – HYPERWALL

Observing Earth from Space: The Fires in Northern Iraq – *Ralph Kahn*

08:00 - 11:00 MOSCONE WEST – 2001A

AGU Cinema: Short Films on Science

08:53 *Applied Sciences: Mosquito Meets MODIS*

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

NH41B Landslide Hazard, Runout Dynamics, Vulnerability, and Risk Analysis III Posters

Conveners: Dalia Kirschbaum, Paola Reichenbach, and Hiroshi Fukuoka

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

A41F Remote Sensing of CH₄ and CO₂ from Space: Moving toward an Observing System IV Posters

Conveners: Annmarie Eldering, Christopher O’Dell, Anna Michalak, and Charles Miller

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

GC41B Climate Variability and the African Environment, Water Resources, and Food Security I Posters

Conveners: Charles Ichoku, Robinson Mugo, Tsegaye Tadesse, Edward Beighley, Douglas Alsdorf, and Africa Flores

**10:20 - 12:20 MOSCONE WEST – 3018****H42D Remote Sensing Applications in Hydrology: Spatial Patterns and Vertical Land-Surface and Aquifer-Storage Change II**

Conveners: Simon Stisen, Robert Carruth, Brian Conway, and Luis Samaniego

10:20 - 12:20 MOSCONE SOUTH – 309**ED42A NASA Science Mission Directorate Science Education: Activation for STEM Learning I**

Conveners: Moses Milazzo, Richard Vaughan, Sheri Klug Boonstra, and Kristen Erickson

10:20 - 12:20 MOSCONE SOUTH – 102**U42A Integration of Climate, Hydrology, Social Science, and Water Management: Connecting Hydroclimate Models with Stakeholder Need**

Conveners: Elizabeth Elliott McClenny, Paul Ullrich, Reed Maxwell, Alyssa DeVincentis, Marielle Pinheiro, Rich Pauloo, Scott Devine, and Ellie White

11:30 - 12:30 MOSCONE WEST – 2001A**Science Policy 201: Advocacy in Action****12:30 - 13:30 MOSCONE WEST – 2002****TH43I The Group on Earth Observations (GEO) Update on Progress and Future Plans**

Conveners: Douglas Cripe; Presenters: Barbara Ryan, Alyssa Whitcraft, Nestor Fernandez, Edward Clark, Eric Lindstrom, Lawrence Friedl, and Argyro Kavvada

13:40 - 14:35 MOSCONE WEST – 2022/2024**GC43G Schneider Lecture Connecting Climate Science to Policy: from Global Food Production to the US Supreme Court**

Speaker: David Battisti; Conveners: David Cairns, Rong Fu, Ellen Mosley-Thompson, and Ali Omar

13:40 - 15:40 MOSCONE SOUTH – 309**ED43F Public Engagement with Science: Institutional Structures and Supports I**

Conveners: Emily Cloyd, Katie Reeves, and Elana Kimbrell

13:40 - 15:40 MOSCONE WEST – 3003**GC43F Climate Variability and the African Environment, Water Resources, and Food Security II**

Conveners: Charles Ichoku, Robinson Mugo, Tsegaye Tadesse, and Edward Beighley

13:40 - 15:40 MOSCONE WEST – 3018**H43O Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes I**

Conveners: Sushel Unninayar, Richard Lawford, Venkataraman Lakshmi, and Forrest Melton

13:40 - 15:40 MOSCONE SOUTH – 104**NH43D NASA Application Science Readiness for Disaster Response I**

Conveners: Tim Stough and David Green

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL**ED43B NASA Science Mission Directorate Science Education: Activation for STEM Learning II Posters**

Conveners: Moses Milazzo, Richard Vaughan, and Kristen Erickson

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL**NH43C Landslide Hazard, Runout Dynamics, Vulnerability, and Risk Analysis IV Posters**

Conveners: Dalia Kirschbaum, Paola Reichenbach, and Hiroshi Fukuoka



14:40 - 15:40 MOSCONE WEST – 2022/2024

GC43H Tyndall History of Global Environmental Change Lecture: Earth from Space: The Power of Perspective

Speaker: Waleed Abdalati; Conveners: David Cairns, Rong Fu, Ellen Mosley-Thompson, and Ali Omar

16:00 - 18:00 MOSCONE WEST – 2002

G44A Global Navigation Satellite System for Geoscience and Hazards Applications II

Conveners: Tony Song, Tonie van Dam, Shuanggen Jin, and Yehuda Bock

16:00 - 18:00 MOSCONE WEST – 3018

H44D Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes II

Conveners: Sushel Unnayar, Richard Lawford, Venkataraman Lakshmi, Forrest Melton, and Mirela Tulbure

18:15 - 19:15 MOSCONE WEST – 2005

TH23B Arctic-COLORS (Coastal Land Ocean Interactions): A NASA field campaign scoping study

Contact: Peter Hernes; Presenters: Antonio Mannino, Marjorie Friedrichs, Patricia Matrai, Joseph Salisbury, and Maria Tzortziou

18:15 - 19:15 MOSCONE WEST – 2009

TH45E Providing direct-to-consumer Earth science outreach - the TravelingGeologist case study

Contact: Christopher Spencer; Presenters: Kirk Schleiffarth and Jess Kapp

18:15 - 19:15 MOSCONE WEST – 2011

TH45D GeoPolicy Connect - A New Initiative to Bridge the Science and Policy Divide

Contact & Presenter: Alexandra Shultz

18:15 - 19:15 MOSCONE WEST – 2020

TH45A Awards & Grants Advancing Your Early Earth Science Career: Multi-agency Perspectives

Contact: Gyami Shrestha; Presenters: Nancy Cavallaro, Zhiliang Zhu, Erika Marin-Spiotta, Karina Schafer, and Elisabeth Larson



FRIDAY, 16 DECEMBER 2016

10:30 – 12:00 EXHIBIT HALL – HYPERWALL

Before the Flood – Documentary Film by Leonardo DiCaprio

08:00 - 10:00 MOSCONE WEST – 3003

GC51F Advances in Earth Observation for Agricultural Monitoring (GEOGLAM): Food Security and Early Warning I

Conveners: Alyssa Whitcraft, Chris Justice, and Felix Rembold

08:00 - 10:00 MOSCONE WEST – 3001

GC51H Earth Science Results from New Imaging Spectroscopy Measurements around the Globe

I

Conveners: David Thompson, Robert Green, Elizabeth Middleton, and Tom Painter

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

H51H Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes III Posters

Conveners: Sushel Unninaray, Richard Lawford, Venkataraman Lakshmi, and Forrest Melton

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

GC51D Taking the Temperature of the Earth: Challenges, Trends, and Applications across all Earth Surface Domains I Posters

Conveners: Glynn Hulley, Darren Ghent, and Simon Hook

08:00 - 12:20 MOSCONE SOUTH – POSTER HALL

A51K Understanding and Attributing Greenhouse Gas Fluxes from Urban Systems and Major Hot-Spots I Posters

Conveners: Riley Duren, Daniel Mendoza, James Butler, Jocelyn Turnbull, Irene Xueref-Remy, and Thomas Lauvaux

08:00 - 13:00 MOSCONE WEST – 2001A

AGU Cinema: Short Films on Science

12:53 Applied Sciences: Mosquito Meets MODIS

10:20 - 12:20 MOSCONE WEST – 3001

GC52A Earth Science Results from New Imaging Spectroscopy Measurements around the Globe

II

Conveners: David Thompson, Robert Green, Elizabeth Middleton, and Tom Painter

13:40 - 15:40 MOSCONE WEST – 3018

H53N Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes IV

Conveners: Sushel Unninaray, Richard Lawford, Venkataraman Lakshmi, Forrest Melton, Christine Mangshing Lee, and Ashutosh Limaye

13:40 - 15:40 MOSCONE WEST – 3005

GC53H Taking the Temperature of the Earth: Challenges, Trends, and Applications across all Earth Surface Domains II

Conveners: Glynn Hulley, Darren Ghent, and Simon Hook



13:40 - 15:40 MOSCONE WEST – 3004

A53M Understanding and Attributing Greenhouse Gas Fluxes from Urban Systems and Major Hot-Spots II

Conveners: Riley Duren, Daniel Mendoza, James Butler, Jocelyn Turnbull, and Irene Xueref-Remy

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

NH53A NASA Application Science Readiness for Disaster Response II Posters

Conveners: Tim Stough and David Green

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

GC53A Advances in Earth Observation for Agricultural Monitoring (GEOGLAM): Food Security and Early Warning II Poster

Conveners: Alyssa Whitcraft, Chris Justice, and Felix Rembold

13:40 - 18:00 MOSCONE SOUTH – POSTER HALL

GC53C Earth Science Results from New Imaging Spectroscopy Measurements around the Globe III Posters

Conveners: David Thompson, Robert Green, Elizabeth Middleton, and Tom Painter

16:00 - 18:00 MOSCONE WEST – 3018

H54D Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes V

Conveners: Sushel Unninar, Richard Lawford, Venkataraman Lakshmi, Forrest Melton, Patricia Lawston, and Joseph Santanello

16:00 - 18:00 MOSCONE WEST – 3005

GC54C Taking the Temperature of the Earth: Challenges, Trends, and Applications across all Earth Surface Domains III

Conveners: Glynn Hulley, Darren Ghent, and Simon Hook

16:00 - 18:00 MOSCONE WEST – 3004

A54G Understanding and Attributing Greenhouse Gas Fluxes from Urban Systems and Major Hot-Spots III

Conveners: Riley Duren, Daniel Mendoza, James Butler, and Jocelyn Turnbull