



Agenda
Health and Air Quality Applications Program Review
September 10-11, 2019
Rapid City, SD

Tuesday, September 10, 2019
Day 1

Room: Jefferson/Roosevelt

8:30 a.m. – 9:00 a.m. Continental Breakfast/Coffee

9:00 a.m. – 9:30 a.m. Session 1: Welcome and Overview
Speaker: John Haynes, Program Manager, Health and Air Quality Applications, NASA Applied Sciences Program, NASA Headquarters

9:30 a.m. – 10:00 a.m. State Perspective: Partner Address: Centers for Disease Control and Prevention
Speaker: Heather Strosnider, Environmental Health Tracking Branch

Session 2: Communications and Community Applications
Moderator: John Haynes

10:00 a.m. – 10:30 a.m. Invited: Communications – Aries Keck, U.Group

10:30 a.m. – 10:45 a.m. BREAK

10:45 a.m. – 11:00 a.m. Invited: Shobhana Gupta, NASA Community Applications Manager

Session 3: Health Applications and Air Quality Applications
Moderator: Sue Estes, Senior Associate Program Manager, Health and Air Quality Applications, NASA Health and Air Quality Applications, University of Alabama in Huntsville

11:00 a.m. – 11:15 a.m. A. An Early Warning System for Vector-Borne Diseases in the Amazon
Speaker: William Pan, Duke University

11:15 a.m. – 11:30 a.m. B. An Early Warning System for Human West Nile Virus
Speaker: Michael Wimberly, University of Oklahoma

11:30 a.m. – 11:45 a.m. C. Improved Forecasts of Respiratory Illness Hazard from Gulf of Mexico Red Tide
Speaker: Richard Stumpf, NOAA

- 11:45 a.m. – 12:45 p.m.** **LUNCH – on your own**
- Session 4: Health Applications and Air Quality Applications (con't)**
Moderator: John Haynes
- 12:45 p.m. – 1:00 p.m.** **D. Using CrIS Ammonia Observations to Improve Decision Making on PM2.5 Control Policies**
Speaker: Matthew Alvarado, Atmospheric & Environmental Research
- 1:00 p.m. – 1:15p.m.** **E. Using Remote Sensing and Earth System Models to Improve Air Quality and Public Health in Megacities**
Speaker: Patrick Kinney, Boston University
- 1:15 p.m. – 1:30 p.m.** **F. Improving Malaria Decision Support with Earth Observations**
Speaker: John Beck, University of Alabama in Huntsville
- 1:30 p.m. – 1:45 p.m.** **G. Source-Differentiated Air Quality System to Safeguard the Respiratory Health of US Military Personnel Deployed in Southwest Asia, Djibouti, and Afghanistan**
Speaker: Meredith Franklin, University of Southern California
- 1:45 p.m. – 2:00 p.m.** **H. From Space to Front Porch: Connecting Earth Observations to Health Outcomes with an Environmental Exposure Modeling System**
Speaker: Julia Gohlke, Virginia Polytechnic Institute & State University
- 2:00 p.m. – 2:15 p.m.** **BREAK**
- 2:15 p.m. – 2:30 p.m.** **I. Preparing Key State and Local Health and Air Quality Agencies for Upcoming Earth Observations**
Speaker: Jun Wang, University of Iowa
- 2:30 p.m. – 2:45 p.m.** **J. Early Warning of Synoptic Air Quality Events to Improve Health and Well Being in the Greater Caribbean Region**
Speaker: Pablo Méndez-Lázaro, University of Puerto Rico Medical Sciences Campus
- 2:45 p.m. – 3:00 p.m.** **K. A Satellite Constrained Meteorological Modeling Platform for LADCO States SIP Development**
Speaker: Jason Otkin, University of Wisconsin, Madison
- 3:00 p.m. – 3:15 p.m.** **L. Use of Remote Sensing Data to Improve Air Quality Decision Support Systems Used to Protect Public Health**
Speaker: Arastoo Pour-Biazar, University of Alabama in Huntsville
- 3:15 p.m. – 3:30 p.m.** **M. Satellite-Aided Regional Dust Forecasting for Valley Fever Surveillance, Highway Accident Prevention, and Air Quality Management in the Southwestern United States**
Speaker: Daniel Tong, George Mason University
- 3:30 p.m. – 3:45 p.m.** **N. The African Cholera Risk Early Warning System (ACREWS)**
Speaker: Benjamin Zaitchik, Johns Hopkins University

Session 5: Satellite Projects

Moderator: Laura Judd, Associate Program Manager, NASA Health and Air Quality Applications, NASA LaRC

3:45 p.m. – 4:00 p.m. **A. Evaluate and Enhance Suomi NPP Products for Air Quality and Public Health Applications**
Speaker: Jun Wang, University of Iowa

4:00 p.m. **Adjourn**

4:30 p.m. - 6:00 p.m. **Reception**
Room: Washington

6:00 p.m. **Mt. Rushmore Trip (Individually paid), meet by Hotel Front Entrance**

Wednesday, September 11, 2019
Day 2

Room: Jefferson/Roosevelt

8:30 a.m. – 9:00 a.m. **Continental Breakfast/Coffee**

9:00 a.m. – 9:30 a.m. **Partner Address: Centers for Disease Control and Prevention**
Speaker: Ambarish Vaidyanathan, Climate and Health Program/ Asthma and Community Health Branch

9:30 a.m. - 10:00 a.m. **Health and Air Quality Applied Sciences Team (HAQAST) Report**
Speaker: Page Bazan, University of Wisconsin, Madison
HAQAST Communications Coordinator

Section 6: GEO EO4HEALTH Projects

Moderator: Sue Estes

10:00 a.m. – 10:15 a.m. **A. A Geospatial Surveillance and Response System Resource for Vector borne Disease in the Americas**
Speaker: John Malone, Louisiana State University

10:15 a.m. – 10:30 a.m. **B. Environmental Determinants of Enteric Infectious Disease**
Speaker: Ben Zaitchik, Johns Hopkins University

10:30 a.m. – 10:45 a.m. **BREAK**

10:45 a.m. – 11:00 a.m. **C. Predictive Assessment of Transmission Conditions of Cholera in the Environment and Human Population using Earth Observations**
Speaker: Antarpreet Jutla, University of Florida

11:00 a.m. – 11:15 a.m. **D. Multi-Sensor Data for Myanmar Malaria Early Warning System**
Speaker: Tatiana Loboda, University of Maryland

Session 7: NASA Training and Capacity Building Opportunities
Moderator: John Haynes

11:15 a.m. – 11:30 a.m. NASA's Training and Capacity Building Opportunities: ARSET and SERVIR
Speaker: Pawan Gupta, Universities Space Research Association

11:30 a.m. – 11:45 a.m. NASA DEVELOP Program
Speaker: Zach Bengtsson

Session 8: West Nile Story, A Survivors Story
Moderator: Sue Estes

11:45 a.m. – 12:15 p.m. A. West Nile Story, A Survivors Story
Speaker: Stacie Hull, General Manager, The Mt. Rushmore Inn

12:15 p.m. – 1:15 p.m. **Town Hall**
Discussion of Future Goals, Partnerships, and Opportunities
Speaker: John Haynes

1:15 p.m. **Adjourn**