Agenda
Health and Air Quality Applications Program Review
September 15 & 21, 2020 (EDT)

Day 1: September 15, 2020

11:00 a.m. – 11:05 a.m.   **Instructions to Presenters and Reminders**
Sue Estes, Senior Associate Program Manager, NASA Health and Air Quality Applications, The University of Alabama in Huntsville

11:05 a.m. – 11:35 a.m.   **Session 1: Welcome and Overview**
Speaker: John Haynes, Program Manager, Health and Air Quality Applications, NASA Applied Sciences Program, NASA Headquarters

11:35 a.m. – 12:05 p.m.   **Partner Address**
Heather Strosnider, Section Chief
Environmental Health Tracking Section
Centers for Disease Control and Protection

12:05 p.m. – 12:20 p.m.   Aries Keck, Applied Sciences Communications
NASA Headquarters, Earth Science

12:20 p.m. – 12:25 p.m.   **Poll Questions**

12:25 p.m. – 12:45 p.m.   **Break**

Session 2: GEO EO4HEALTH Projects
Moderator: Sue Estes, Senior Associate Program Manager, NASA Health and Air Quality Applications, The University of Alabama in Huntsville

12:45 p.m. – 1:00 p.m.   **A.** A Geospatial Surveillance and Response System Resource for Vector borne Disease in the Americas
Speaker**:** John Malone, Louisiana State University

1:00 p.m. – 1:15 p.m.   **B.** Environmental Determinants of Enteric Infectious Disease
Speaker: Benjamin Zaitchik, Johns Hopkins University

1:15 p.m. – 1:20 p.m.   Augmentation for COVID-19
Speaker: Benjamin Zaitchik, Johns Hopkins University

1:20 p.m. – 1:35 p.m.	**C.** Predictive Assessment of Transmission Conditions of Cholera in the Environment and Human Population using Earth Observations Speaker**:** Antarpreet Jutla, University of Florida
1:35 p.m. – 1:50 p.m.	**D.** Multi-Sensor Data for Myanmar Malaria Early Warning System Speaker**:** Tatiana Loboda, University of Maryland, College Park
1:50 p.m. – 1:55 p.m.	**Poll Questions**
1:55 p.m. – 2:30 p.m.	**Break**

Session 3: Air Quality Projects
Moderator: Laura Judd, Associate Program Manager, NASA Health and Air Quality Applications, NASA Langley Research Center

2:30 p.m. – 2:45 p.m.	**A.** Using CrIS Ammonia Observations to Improve Decision Making on PM2.5 Control Policies Speaker: Matthew Alvarado, Atmospheric & Environmental Research
2:45 p.m. – 3:00 p.m.	**B.** Using Remote Sensing and Earth System Models to Improve Air Quality and Public Health in Megacities. Speaker: Susan Anenberg, George Washington University
3:00 p.m. – 3:10 p.m.	**C**. Rapid Reponse: Using Remote Sensing and Earth System Models to Improve Air Quality and Public Health in Megacities Speaker: Dan Goldberg, George Washington University
3:10 p.m. – 3:25 p.m.	**D.** Preparing Key State and Local Health and Air Quality Agencies for Upcoming Earth Observations Speaker: Yang Liu, Emory University
3:25 p.m. – 3:40 p.m.	**D.** A Satellite Constrained Meteorological Modeling Platform for LADCO States SIP Development Speaker: Jason Otkin, University of Wisconsin, Madison
3:40 p.m. – 3:55 p.m.	**E.** Use of Remote Sensing Data to Improve Air Quality Decision Support Systems used to Protect Public Health Speaker: Arastoo Pour-Biazar, The University of Alabama in Huntsville
3:55 p.m. – 4:00 p.m.	**Poll Questions**
4:00 p.m.	**Wrap Up Discussion**

Day 2: September 21, 2020

11:00 a.m. – 11:05 a.m.	**Instructions to Presenters and Reminders** Sue Estes, Senior Associate Program Manager, NASA Health and Air Quality Applications, The University of Alabama in Huntsville

11:05 a.m. – 11:15 a.m.   **Message from Applied Sciences Director**
Speaker: Lawrence Friedl, Director, Applied Sciences Program
NASA Headquarters

Session 4: Other Funded Projects
Moderator: Sue Estes, Senior Associate Program Manager
NASA Health and Air Quality Applications, The University of Alabama in Huntsville

11:15 a.m. – 11:30 a.m.   **A.** Rapid Response to Assess the Risk of Arbovirus Outbreaks Triggered by Climate Events
Speaker: Michael Wimberly, University of Oklahoma

11:30 a.m. – 11:45 a.m.   **B.** Augmentation: An Early Warning System for Vector-borne Disease Risk in the Amazon
Speaker: William Pan, Duke University

11:45 a.m. –12:00 p.m.   **C.** Mapping, Monitoring and Forecasting Climate-sensitive Diseases (CHIKRisk).
Speaker: Assaf Anyamba, Universities Space Research Association, NASA Goddard Space Flight Center

12:00 p.m. – 12:05 p.m.   **Poll Questions**

12:05 p.m. – 12:20 p.m.   **Break**

Session 5: Health Projects
Moderator: Helena Chapman, Associate Program Manager, NASA Health and Air Quality Applications, NASA Headquarters/Booz Allen Hamilton

12:20 p.m. – 12:35 p.m.   **A.** Improving Malaria Decision Support with Earth Observations
Speaker: John Beck, The University of Alabama in Huntsville

12:35 p.m. – 12:50 p.m.   **B**. 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

12:50 p.m. – 1:05 p.m.   **C.** 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

1:05 p.m. – 1:15 p.m.	**D.** 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
1:15 p.m. – 1:25 p.m.	Rapid Response: Study of Imminent Interactions between SARS-CoV-2 (COVID-19), Air Quality due to Saharan Dust and Urban Aerosols, and Social-Environmental Factors in Puerto Rico in Summer 2020: Proxies of Health Risks in Small Island States in the Caribbean Region Speaker: Pablo Méndez-Lázaro, University of Puerto Rico-Medical Sciences Campus
1:25 p.m. – 1:40 p.m.	**Break**
1:40 p.m. – 1:55 p.m.	**E.** 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
1:55 p.m. – 2:10 p.m.	**F.** The African Cholera Risk Early Warning System (ACREWS) Speaker: Benjamin Zaitchik, Johns Hopkins University
2:10 p.m. – 2:15 p.m.	**Poll Questions**
2:15 p.m. – 3:15 p.m.	**Town Hall** Discussion of Future Goals, Partnerships, and Opportunities Speaker: John Haynes, Program Manager, Health and Air Quality Applications, NASA Applied Sciences Program, NASA Headquarters
3:15 p.m.	**Adjourn**