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 Response: 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>11:00 a.m. – 11:05 a.m.</td>
<td><strong>Instructions to Presenters and Reminders</strong> Sue Estes, Senior Associate Program Manager, NASA Health and Air Quality Applications, The University of Alabama in Huntsville</td>
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<td>11:05 a.m. – 11:15 a.m.</td>
<td><strong>Message from Applied Sciences Director</strong> Speaker: Lawrence Friedl, Director, Applied Sciences Program NASA Headquarters</td>
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| 11:15 a.m. – 11:30 a.m. | **Session 4: Other Funded Projects**  
**Moderator:** Sue Estes, Senior Associate Program Manager NASA Health and Air Quality Applications, The University of Alabama in Huntsville  
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** |
| 12:20 p.m. – 12:35 p.m. | **Session 5: Health Projects**  
**Moderator:** Helena Chapman, Associate Program Manager, NASA Health and Air Quality Applications, NASA Headquarters/Booz Allen Hamilton  
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

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