Day 1: October 12, 2021

12:00 p.m. – 12:05 p.m. Instructions to Presenters and Reminders
Helena Chapman and Laura Judd, Associate Program Managers, NASA Health and Air Quality Applications

12:05 p.m. – 12:15 a.m. Message from Applied Sciences Director
Speaker: Lawrence Friedl, Director, Applied Sciences Program NASA Headquarters

12:15 a.m. – 12:45 a.m. Session 1: Welcome and Overview
Speaker: John Haynes, Program Manager, Health and Air Quality Applications, NASA Applied Sciences Program, NASA Headquarters

12:45 p.m. – 1:15 p.m. Partner Address
Angela Werner and Nicholas Skaff
Environmental Health Tracking Section
Centers for Disease Control and Prevention

1:15 p.m. – 1:30 p.m. Aries Keck, Applied Sciences Communications
NASA Headquarters, Earth Science

1:30 p.m. – 2:00 p.m. Break

Session 2: GEO EO4HEALTH Projects
Moderator: Helena Chapman, Associate Program Manager, NASA Health and Air Quality Applications, NASA Headquarters/Booz Allen Hamilton

2:00 p.m. – 2:10 p.m. A. Multi-Sensor Data for Myanmar Malaria Early Warning System
Speaker: Tatiana Loboda, University of Maryland, College Park

2:10 p.m. – 2:20 p.m. B. A Geospatial Surveillance and Response System Resource for Vector borne Disease in the Americas
Speaker: John Malone, Louisiana State University
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>2:20 p.m. – 2:30 p.m.</td>
<td>C. Predictive Assessment of Transmission Conditions of Cholera in the Environment and Human Population using Earth Observations</td>
<td>Speaker: Antarpreet Jutla, University of Florida</td>
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<td>2:30 p.m. – 2:40 p.m.</td>
<td>C. Environmental Determinants of Enteric Infectious Disease</td>
<td>Speaker: Benjamin Zaitchik, Johns Hopkins University</td>
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<td>2:40 p.m. – 2:45 p.m.</td>
<td>D. Augmentation for COVID-19</td>
<td>Speaker: Benjamin Zaitchik, Johns Hopkins University</td>
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<td>2:45 p.m. – 3:00 p.m.</td>
<td>Break</td>
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<td>3:00 p.m. – 3:10 p.m.</td>
<td>A. Using Remote Sensing and Earth System Models to Improve Air Quality and Public Health in Megacities</td>
<td>Speaker: Susan Anenberg, George Washington University</td>
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<td>3:10 p.m. – 3:15 p.m.</td>
<td>B. Rapid Response: Using Remote Sensing and Earth System Models to Improve Air Quality and Public Health in Megacities</td>
<td>Speaker: Dan Goldberg, George Washington University</td>
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<td>3:15 p.m. – 3:25 p.m.</td>
<td>C. Use of Remote Sensing Data to Improve Air Quality Decision Support Systems used to Protect Public Health</td>
<td>Speaker: Arastoo Pour-Biazar, University of Alabama in Huntsville</td>
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<td>3:25 p.m. – 3:35 p.m.</td>
<td>D. Preparing Key State and Local Health and Air Quality Agencies for Upcoming Earth Observations</td>
<td>Speaker: Yang Liu, Emory University</td>
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<td>3:35 p.m. – 3:45 p.m.</td>
<td>D. A Satellite Constrained Meteorological Modeling Platform for LADCO States SIP Development</td>
<td>Speaker: Jason Otkin, University of Wisconsin, Madison</td>
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<td>3:45 p.m. – 3:55 p.m.</td>
<td>E. Using CrIS Ammonia Observations to Improve Decision Making on PM2.5 Control Policies</td>
<td>Speaker: Matthew Alvarado, Atmospheric &amp; Environmental Research</td>
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<td>3:55 p.m.</td>
<td>Adjourn for Day 1</td>
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Day 2: October 20, 2021

12:00 p.m. – 12:05 p.m. Instructions to Presenters and Reminders
Helena Chapman and Laura Judd, Associate Program Managers, NASA Health and Air Quality Applications

Session 4: Other Funded Projects
Moderator: Laura Judd, Associate Program Manager, NASA Health and Air Quality Applications, NASA Langley Research Center

12:05 p.m. – 12:15 p.m. A. Mapping, Monitoring and Forecasting Climate-sensitive Diseases (CHIKRisk).
Speaker: Assaf Anyamba, Universities Space Research Association, NASA Goddard Space Flight Center

12:15 p.m. – 12:25 p.m. B. Augmentation: An Early Warning System for Vector-borne Disease Risk in the Amazon
Speaker: William Pan, Duke University

12:25 p.m. – 12:35 p.m. C. Rapid Response to Assess the Risk of Arbovirus Outbreaks Triggered by Climate Events
Speaker: Michael Wimberly, University of Oklahoma

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

12:35 p.m. – 12:45 p.m. A. The African Cholera Risk Early Warning System (ACREWS)
Speaker: Benjamin Zaitchik, Johns Hopkins University

12:45 p.m. – 12:55 p.m. B. 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

12:55 p.m. – 1:05 p.m. C. 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
1:05 p.m. – 1:15 p.m.  
Break

1:15 p.m. – 1:25 p.m.  
D. 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

1:25 p.m. – 1:35 p.m.  
E. Improving Malaria Decision Support with Earth Observations  
Speaker: John Beck, University of Alabama in Huntsville

1:35 p.m. – 1:45 p.m.  
E. 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

1:45 p.m. – 1:50 p.m.  
Speaker: Pablo Méndez-Lázaro, University of Puerto Rico-Medical Sciences Campus

1:50 p.m. – 2:10 p.m.  
HAQAST Update  
Speaker: Tracey Holloway, University of Wisconsin-Madison

2:10 p.m. – 3:00 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

3:00 p.m.  
Adjourn

4:00 p.m.  
Social Hour – Recognition of Career Accomplishments: Sue Estes