GEO Health
Community of Practice
Annual Meeting 2021
December 7, 2021

John Haynes, NASA (USA)
Juli Trtanj, NOAA (USA)
Helena Chapman, NASA (USA)
Agenda

10:00AM – 11:00AM EST/GMT-5)
❖ Welcome & Opening Words
❖ Invited Presentations (8-min updates)

11:00AM – 12:00PM EST/GMT-5)
❖ Flash Talks (4-min talks)

12:00PM – 1:00PM EST/GMT-5)
❖ Panel on Public-Private Partnerships (10-min talks)
❖ Discussion on Public-Private Partnerships
EO4Health Projects

John Haynes, NASA (USA)
Juli Trtanj, NOAA (USA)
Helena Chapman, NASA (USA)
EO4Health Projects

- Dengue MOdel forecasting Satellite-based System (D-MOSS)
  - Gina Tsarouchi (HR Wallingford)

- Predictive Assessment of Transmission Conditions of Cholera in the Environment and Human Population using Earth Observations
  - Antar Jutla (University of Florida)

- GeoHealth: A Geospatial Surveillance and Response System Resource for Vector Borne Disease in the Americas
  - Jack Malone (Louisiana State University and A&M College)

- Environmental Determinants of Enteric Infectious Disease
  - Ben Zaitchik (Johns Hopkins University)

- Myanmar Malaria Early Warning System
  - Tatiana Loboda (University of Maryland, College Park)
Flash Talks

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Flash Talks

- Global Precipitation Measurement (GPM) Mission’s Education and Outreach Efforts
  - Dorian Janney (NASA Goddard/GPM)

- Using Social Media to Improve Dengue Nowcasting in Brazil
  - Julie Spencer (Los Alamos National Laboratory)

- Implementing a System for Environmentally-driven Arbovirus Forecasting across Multiple Geographic Regions
  - Michael Wimberly and Dawn Nekorchuk (University of Oklahoma)

- Antigenic Ha Shifts Linked to 11-year Solar Cycle Explain Timing of Historic (1889-2021) Suite of Pandemics Originating in South Central China
  - Allan Auclair (USDA APHIS Policy and Program Development, retired)
Flash Talks

- Effects of Hydrometeorological Factors on COVID-19 Reproduction Number in Three Contiguous Countries of Tropical Andean South America
  - Josh Colston (University of Virginia School of Medicine)

- CholeraMap: Satellite-derived Waterborne Disease Early Warning for the Masses
  - Ali Akanda (University of Rhode Island)

- Seeing Heat Risk Through an Equity Lens: Putting High Resolution Temperature Data to Work for Urban Environmental Justice
  - Ben Zaitchik (Johns Hopkins University)
Panel on Public-Private Partnerships

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Panel on Public-Private Partnerships

Invited Panelists
- Eric Klos (DailyBreath)
- Estella Geraghty (Esri)
- Io Blair-Freese (Bill & Melinda Gates Foundation)

Discussion on Public-Private Partnerships