Weekly briefing of fire and air quality (FireAQ) in US

Introduction

In partial support by NASA Applied Science – Health and Air Quality program, the fire and air quality or FireAQ project is in the process to develop an online interactive system to complement existing decision-support systems for AQ and public health agencies by providing user-friendly interfaces for real-time access and visualization of surface PM2.5 (and later O_3) forecast from NASA's GEOS-FP and GEOS-CF system and NRL's NAAPS system. Furthermore, the FireAQ will also provide new data products of aerosol layer height from TROPOMI and TEMPO as well as nighttime fire combustion efficiency data from VIIRS instruments on SNPP and JPSS-1satellties. A prototype of FireAQ can be accessed via http://fireaq.uiowa.edu

To broaden engagement with the scientific community and end user organizations, the FireAQ team in the University of Iowa plans to hold weekly meetings via Zoom to provide weekly briefing (update and outlook) of fires and air quality in US. The objectives for these meetings include:

(a) a retrospective analysis for the AQ the week back and an outlook of the AQ a week ahead
(b) Q/A and discussions with stakeholders
(c) possible presentations on any aspect of the related science, case studies, or local/regional AQ event by the stakeholders and community members.

Organization

The FireAQ project team in the University of Iowa will host and coordinate the planning of the weekly briefing. **To subscribe the meeting notification, please email to: fireaq+subscribe@googlegroups.com. By clicking the link provided in the email reply that you will receive from google groups,** your email address will be added into the FireAQ google group. You will then be notified regarding FireAQ weekly.

We envision this weekly briefing as a grassroot effort that all stakeholders in AQ and public health community are invited to participate.

Time and Host/Coordinator

Every Monday, 12 pm CT; current plan of up to 1 hour meeting; span through the summer and fall (when fire seasons end, which can vary by year and is difficult to predict).
Host: Dr. Megan Christianse, **megan-christiansen@uiowa.edu**

Zoom Link for the weekly briefing:

https://uiowa.zoom.us/j/97823356619?pwd=N0dIeEEvMFN1SEZkcU9rVUVHVUFyUT09

FireAQ Weekly organization group

(the list of current members can be found in the next page. We welcome more to join and contribute)

ROLE	NAME	AFFILIATION
Host/Coordinator/Lead:	Megan Christiansen	University of Iowa
Co-Lead	Jun Wang	University of Iowa
Co-Lead	Daven Henze	University of Colorado Boulder
Co-Lead	Xiong Liu	Harvard Smithsonian Observatory
Co-Lead	Melanie Follette-Cook	NASA GSFC
Collaborator/Stakeholder	Scott Epstein	South Coast Air Quality Management District, CA
Collaborator/Stakeholder	Zac Adelman	Lake Michigan Air Directors Consortium
Collaborator/Stakeholder	Martha Webster	ME Dept. of Environmental Protection
Collaborator/Stakeholder	Daniel Welsh	CO Dept. of Public Health & Environment
Collaborator/Stakeholder	Ryan Biggerstaff	OK Dept. of Environmental Quality
Collaborator/Stakeholder	Christoph Keller	Universities Space Research Association
Collaborator	David Peterson	Naval Research Lab – Monterey
Collaborator	Jingqiu Mao	University of Alaska