The National Academies of
SCIENCES • ENGINEERING • MEDICINE

THURSDAY, SEPTEMBER 24, 2020

WE WILL START AT 1PM EDT

Wildland Fires: Towards Improved Understanding and Forecasting of Air Quality Impacts

Day 2

Sessions are being recorded

WebEx Events: Engaging in the Conversation

PANELISTS: Speakers, Committee and Board Members, Staff

- Remain muted when not speaking; turn video/webcam on when appropriate
- View questions and comments submitted through Q&A
- View list of all attendees

ATTENDEES:

- Please open Participant, Chat, and Q&A panels as needed
  - **Q&A Panel**: Questions can only be submitted by ATTENDEES and seen by PANELISTS. Answers will not be provided in writing. Only submit questions to "**all panelists**" for consideration.
  - **Chat Panel**: *Should be used minimally*. Can be used by all to communicate with the host.

Floating panel view will make your panels separate windows, but it will put your video window into full screen behind them.

Speaker view is the recommended viewing option of speakers when the screen isn't shared.

WebEx Events: Engaging in the Conversation

LIVESTREAM:

- On event webpage. Listen-only viewing.

SEE WEBPAGE FOR:

- Agenda
- Speaker and Committee Member bios
- WebEx guidance
- Links to join via WebEx

Workshop goals

To bring together *atmospheric chemistry* and *health* research communities, *managers*, and *decision makers* to discuss knowledge and needs surrounding how wildfire smoke affects air quality and human health.

Explore opportunities to better bridge these communities, to advance the science and improve the production and exchange of information.

Workshop structure

Day 1: Where are we now?- What are we learning? (Sciences- Atm & Health)

Current state of the science and communication around atmospheric chemistry and transport of fire emissions, forecasting, measurement tools, and smoke health effects.

Day 2: Where do we want to be? *Aspiration*

What is needed on the ground and how that translates into ***primary research needs*** within the atmospheric chemistry and health communities to better protect air quality and human health. What do we need to learn about air quality to *mitigate, manage, and prevent health effects*? (Adaptation strategies)

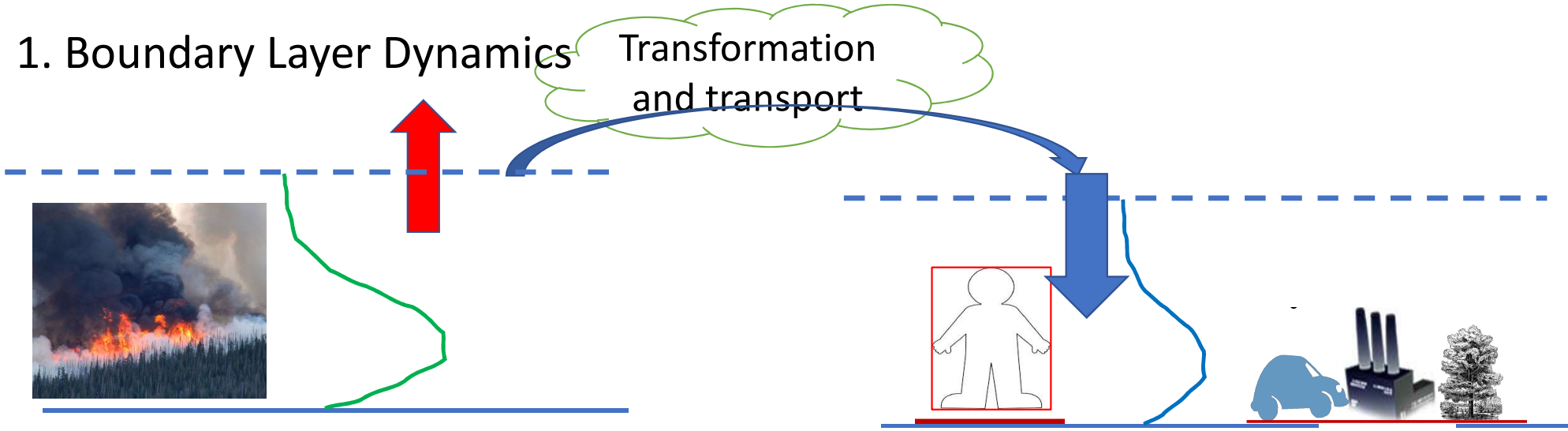
Day 3: How do we get there?

How we can ***improve the production and exchange of information*** about air quality and health effects between atmospheric and health communities and more broadly, as we look to future needs and capabilities for research and mitigation of health impacts.

A few thoughts from Yesterday

Day 1: We have learned/learning a lot - There is a lot yet to be learned about the atmospheric and health sciences related to wildland fires.

1. Boundary Layer Dynamics



2: Uncertainty and variability

Looking ahead to today and tomorrow

Day 2:

- Where do we want to be to minimize the impact of this societal challenge?
- We are not addressing the mitigation of fires- mostly the management of the impacts of fire emissions
- We will see what the users say.
- To keep in mind: Communications between the various areas/fields/expertise…. Making information useful to/ useable by/ the users.

Looking ahead to today and tomorrow

Day 3:

- Need to keep thinking what is missing, what are the low-hanging fruits, and what must be improved…..
- Are the currently available information used? Are they usable? How can we get more and better use of this information