

The National Academies of
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Board on Atmospheric Sciences and Climate

Spring Meeting 2022

Hybrid | Keck Center (500 5th St NW Washington DC 20001) | Zoom

OPEN SESSION FINAL AGENDA

Thursday, June 2nd

**Greenhouse Gas Emissions Monitoring, Inventories, and Data Integration:
Understanding the Landscape**

This session will consider approaches used to develop global greenhouse gas emissions inventories and information, including atmospheric observations, proxy data, and modeling approaches. This session will also inform the fast-track consensus study on [Development of a Framework for Evaluating Global Greenhouse Gas Emissions Information for Decision Making](#), which will consider approaches used to develop global anthropogenic greenhouse gas emissions inventories and information.

11:00 AM ET **Welcome and Session Agenda**

Bart Croes, CARB (retired) and Allison Steiner, University of Michigan

11:05 AM **Developing detailed global and national greenhouse gas inventories**

12 minute talks followed by discussion

- Melissa Weitz, US Environmental Protection Agency
- Francesca Hopkins, University of California, Riverside
- Julian Wilson, European Commission Joint Research Centre

12:15 PM Lunch break

1:00 PM **International satellite monitoring and top-down constraints on greenhouse gas emissions**

12 minute talks followed by discussion

- Yasjka Meijer, European Space Agency
- Jason McKeever, GHGSat
- Steve Monztko, NOAA
- Junjie Liu, NASA-JPL
- Daniel Jacob, Harvard

2:30 PM Break

2:45 PM **Emerging approaches and integration of multiple data sources**

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12 minute talks followed by discussion

- Philippe Peylin, Laboratoire des Sciences du Climat et de l'Environnement
- Riley Duren, Carbon Mapper
- Gavin McCormick, Climate TRACE
- Richard Engelen, European Range for Medium-Range Weather Forecasts

4:00 PM

Adjourn