

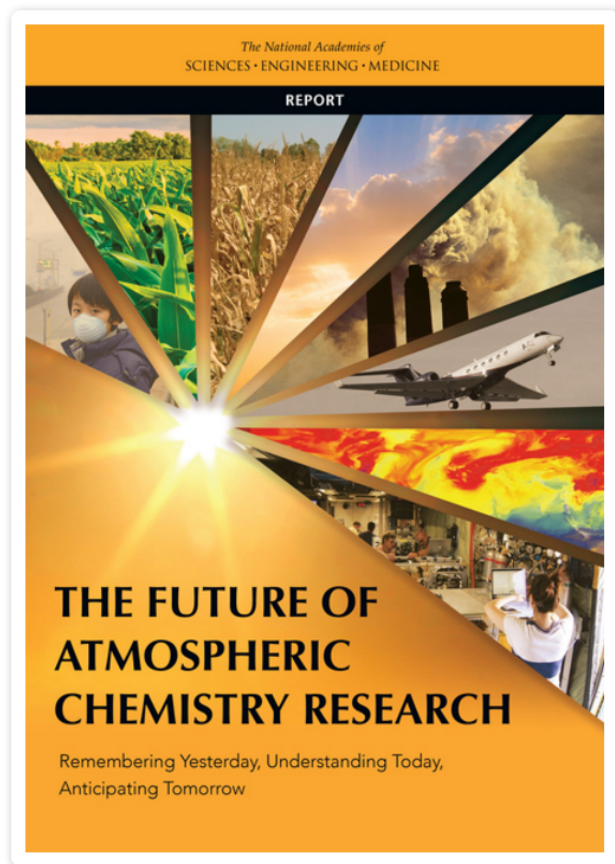
NCAR ACOM/ACCORD Workshop: Analysis of existing biomass burning datasets

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National Center for Atmospheric Research

National Academies of Sciences Report: Future of Atmospheric Chemistry Research



Recommendation 3 :

NSF should encourage mining and integration of measurements and model results that can merge and exploit past datasets to provide insight into atmospheric processes, as well as guide planning for future studies.

Workshop:

Analysis of existing biomass burning datasets

- July 13-14 at NCAR Foothills Laboratory
- @ 50 Participants from US Universities and Laboratories
 - Majority early career Scientists
- Wide range of research interests and expertise

Workshop:

Analysis of existing biomass burning datasets

The overall goals of this workshop will be to:

- Discuss science questions associated with biomass burning;
- Learn about existing datasets that can be used for data mining and analysis;
- Train on tools and models for data analysis;
- Develop collaboration and networking opportunities with other scientists.

<https://www2.acom.ucar.edu/accord-fire-workshop>

Topics to be Discussed

- Laboratory measurement campaigns
- Aircraft Campaigns
- Surface monitoring observation networks
- Modeling emissions
- Chemical and physical modeling of fire plumes
- Evaluating models with observations

Training Sessions

- Processing and analyzing satellite data
- Using chemical box models
- Modeling fire emissions
- How to find and use surface monitoring data
- Using aircraft observations and model output
- Using R to process aircraft observations

Expected Outcomes

- Summary for EOS, IGAC Newsletter
- Trained community members on NCAR tools
 - New tools/resources available for community
- Network of researchers interested in BB
- Library of BB datasets
 - (NCAR Tech Note? ESSD paper? ACOM website?)

IBBI Discussion Topics

- What other global datasets are available?
- What tools would be useful for this group?
- What other outcomes should be achieved?

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