

## Fire Emissions Workshop 2023

Zoom, 7-9 November 2023

Zoom registration link:

<https://ucar-edu.zoom.us/meeting/register/tjwoceqvrj8tG9D3W2OjuuJCmcNI9o08f28h>



**Task Force on Hemispheric  
Transport of Air Pollution**



Day 1: Tuesday 7 November				
Start time (UTC)	Item	Notes	Moderator	YouTube Link
14:00	Welcome; Background info and objectives of the meeting (20 min)	<ul style="list-style-type: none"> <li>Opening with backgrounds and introductions of BBURNED and HTAP</li> <li>Workshop objectives</li> <li>Practicalities</li> </ul>	<b>M Parrington, T Butler, and R Buchholz to present</b>	<a href="https://youtu.be/KMHdFnJZWPY?si=AOuSOWPrCSQKQ93I">https://youtu.be/KMHdFnJZWPY?si=AOuSOWPrCSQKQ93I</a>
	<b>PRESENTATIONS</b>	<b>30 min + 10 min for questions</b>		
14:20	GFED presentation	Guido van der Werf	<b>N French</b>	<a href="https://youtu.be/vm8dsCQeI6E?si=8LK4igMDL5cPXt4s">https://youtu.be/vm8dsCQeI6E?si=8LK4igMDL5cPXt4s</a>
15:00	GFAS presentation	Johannes Kaiser		<a href="https://youtu.be/ZTkM9Q82NTs?si=LKx24HVNNxplrVmk">https://youtu.be/ZTkM9Q82NTs?si=LKx24HVNNxplrVmk</a>
15:40	<b>BREAK (20 min)</b>			
	<b>PRESENTATIONS</b>	<b>30 min + 10 min for questions</b>		
16:00	FINN presentation	Christine Wiedinmyer	<b>C Whaley</b>	<a href="https://youtu.be/MQ7w9SQO0Ms?si=5mF0vKXLI4iUJM5u">https://youtu.be/MQ7w9SQO0Ms?si=5mF0vKXLI4iUJM5u</a>
16:40	FLAMBE presentation	Edward Hyer		<a href="https://youtu.be/wjr3VGItoKw?si=v9QPEUygaFAoQoGF">https://youtu.be/wjr3VGItoKw?si=v9QPEUygaFAoQoGF</a>
17:20	QFED presentation	Arlindo da Silva		<a href="https://youtu.be/zYVr5Pym-o?si=L7NKE3S7hMfuO_id">https://youtu.be/zYVr5Pym-o?si=L7NKE3S7hMfuO_id</a>
18:00	<b>ADJOURN</b>			
Day 2: Wednesday 8 November				
Start time (UTC)	Item	Notes	Moderator	YouTube Link
14:00	Welcome; Day 2 objectives (15 min)	<ul style="list-style-type: none"> <li>Remaining fire emissions presentations</li> <li>Fire emissions intercomparisons</li> </ul>	<b>C Whaley</b>	<a href="https://youtu.be/hDgt68U5B4?si=5YES-FhsPMGKy_d_H">https://youtu.be/hDgt68U5B4?si=5YES-FhsPMGKy_d_H</a>

	<b>PRESENTATIONS</b>	<b>30 min + 10 min for questions</b>		
14:15	NEIVA presentation	Kelley Barsanti	<b>T Butler</b>	<a href="https://youtu.be/Js-MuFavtXg?si=aPuiGTRryt596ouk">https://youtu.be/Js-MuFavtXg?si=aPuiGTRryt596ouk</a>
14:55	GBBEXP presentation	Shobha Kondragunta		<a href="https://youtu.be/V0DyV120c7o?si=IT5O16mQipnUWJBL">https://youtu.be/V0DyV120c7o?si=IT5O16mQipnUWJBL</a>
15:35	IS4FIRES presentation	Mikhail Sofiev		<a href="https://youtu.be/37gJD1PGsUI?si=M2weuNk8u6N4GxwU">https://youtu.be/37gJD1PGsUI?si=M2weuNk8u6N4GxwU</a>
	<b>BREAK (15 min)</b>			
16:30	<b>PRESENTATIONS on intercomparisons</b>	<b>20 min + 10 min for questions</b>		
16:30	Intercomparison of global fire emissions for multiple species	Wenfu Tang	<b>M Parrington</b>	<a href="https://youtu.be/LLe7YA111RO?si=l4HoFeoRpgnO4T4h">https://youtu.be/LLe7YA111RO?si=l4HoFeoRpgnO4T4h</a>
17:00	Comparison of CO emissions globally	Debora Griffin		<a href="https://youtu.be/l25Um-ir884?si=6yueBRJv1eXqFGBQ">https://youtu.be/l25Um-ir884?si=6yueBRJv1eXqFGBQ</a>
17:30	Comparison of fire emissions for aerosol modelling	Xiaohua Pan		<a href="https://youtu.be/uRtaHvxwEG8?si=CZcWwXgsunBcEbF">https://youtu.be/uRtaHvxwEG8?si=CZcWwXgsunBcEbF</a>
18:00	<b>ADJOURN</b>			
<b>Day 3: Thursday 9 November</b>				
Start time (UTC)	Item	Notes	Moderator	
14:00	Welcome; Day 3 objectives (10 min)	<ul style="list-style-type: none"> <li>Remainder of intercomparison presentations</li> <li>Discussion</li> </ul>	<b>N French</b>	
	<b>PRESENTATIONS</b>	<b>20 min + 10 min for questions</b>		
14:10	Comparisons in North America	Tess Carter	<b>T Butler</b>	<a href="https://youtu.be/iFNVBeIaTY?si=B5B9ATN0Zlhx5YEp">https://youtu.be/iFNVBeIaTY?si=B5B9ATN0Zlhx5YEp</a>
14:40	Comparisons in Indonesia	Tianjia (Tina) Liu		<a href="https://youtu.be/caAoGB4mT5E?si=SmWXYwKely75oFJ">https://youtu.be/caAoGB4mT5E?si=SmWXYwKely75oFJ</a>
15:10	Hg and POPs fire emissions	Terry Keating		<a href="https://youtu.be/4YVkJEdyVE?si=zRxe6Veo5SWTk7KD">https://youtu.be/4YVkJEdyVE?si=zRxe6Veo5SWTk7KD</a>
	<b>BREAK (20 min)</b>			
	<b>DISCUSSIONS in breakout rooms:</b>			
16:00	Instructions to breakout groups		<b>C Whaley</b>	
16:10	~10 breakout rooms to discuss the following questions: <ul style="list-style-type: none"> <li>Do we better understand why the fire emissions datasets are so different from one another?</li> <li>If not, do we need more information?</li> <li>Is there a consensus on MODIS to VIIRS transition?</li> </ul>		Steering committee and working group leaders each go to a different breakout room. Participants randomly assigned (except maybe one of which be a French breakout room)	

	<ul style="list-style-type: none"> <li>• Input from the perspectives of the observations and policy communities</li> <li>• Discuss fire emissions preferences for the HTAP multi-model, multi species Fire study</li> <li>• Has any one fire emissions dataset stood out as the best or most appropriate?</li> <li>• Is there anyone attending who could create a fire emissions “mosaic”: combining the best for different species/regions?</li> </ul>		
17:45	Back to main room for summary and closing	<b>C Whaley,</b>	<a href="https://youtu.be/GyFae4Ins8Q?si=S9MLts2VNkig86W-">https://youtu.be/GyFae4Ins8Q?si=S9MLts2VNkig86W-</a>
17:20		<b>N French</b>	
18:00	<b>ADJOURN</b>		

<b>Tuesday 14 November (optional)</b>			
Start time (UTC)	Item	Notes	Moderator
14:00	Welcome; Day 4 objectives	Summary of Day 3’s jamboard/discussions Writing up in the emissions section in the HTAP fire white paper	<b>R Buchholz</b>
14:20	Discussion	Attendees discuss how the workshop went. Discuss any additional information or points.	
15:00	Writing up report(s)	Create the outline of the report as a group and assign writers to each section.	<b>M Parrington</b>
16:00	Next steps	The IGAC newsletter article Other	
18:00	<b>ADJOURN</b>		