



LEVERHULME

Centre for Wildfires,
Environment and Society

Progress in Fire Modelling in the UK & Europe

Agenda

11-12th January 2023

09:55-16:30 /16:00(GMT) Online (MS Teams)

Day 1, 11 th Jan	
1. Overview of fire-related projects/activities in the UK and Europe	
Time (GMT)	
09:55	<i>Join online</i>
10:00-10:10	Colin Prentice (Director, Leverhulme Centre) – Welcome & Aims
10:10-10:30	Stefan Doerr (Swansea University)- Centre for Wildfire Research
10:30-10:50	Ana María Pacheco Pascagaza and Gail Millin-Chalabi (University of Manchester)- Toward a UK Fire Danger rating system – static and dynamic fuel mapping
10:50-11:10	Nick Kettridge (University of Birmingham)- Toward a UK Fire Danger rating system – ecosystems and fires
11:10-11:30	Domingos Viegas (University of Coimbra) - FirEURisk
11:30-11:50	Florent Mouillot (Institute of Research for Development)– FIRE-ADAPT
11:50-12:10	Adrián Cardil (The Forest Science and Technology Centre of Catalonia (CTFC) and Tecnosylva) – FIRE-RES
12:10-12:30	Steve Arnold (University of Leeds) - ACROBEAR
<i>Lunch Break</i>	
13:30-13:50	Mathias Forkel (TU Dresden) – Sense4Fire
2. Fire data; state of the art, uncertainties, challenges	
13:50-14:10	Emilio Chuvieco (University of Alcalá) - Burned area datasets generated from the FireCCI project
14:10-14:30	Niels Andela (BeZero Carbon) - Fire Atlas
14:30-14:50	Sander Veraverbeke (Vrije Universiteit Amsterdam)- Boreal forests
14:50-15:10	Matthias Forkel (TU Dresden)- LFMC product
<i>Coffee Break</i>	
15:30-16:30	DISCUSSION
16:30	DAY 1 END

Day 2, 12th Jan

3. Overview of model development activities in the Leverhulme Centre for Wildfire, Environment and Society

09:55	<i>Join online</i>
10:00-10:15	Sandy Harrison (University of Reading) - Progress in fire model evaluation
10:15-10:30	OI Perkins (King's College London)- Progress towards ABM implementation in JULES
10:30-10:45	Katie Blackford (Imperial College London)- Representing northern high latitude peat fires in INFERNO
10:45-11:00	Theo Keeping (University of Reading) - Predicting Wildfire Genesis in the Contiguous U.S.
11:00-11:15	Sibo Cheng (Imperial College London) - Data-driven wildfire predictions at regional and global scales
11:15-11:30	Olivia Haas (Imperial College London) - Environmental controls of wildfire properties: a UK perspective
11:30-11:45	Nikos Kalogeropoulos (Imperial College London) Modelling at the Community Scale: Simulations of Wildfire Spread for the Protection of People and their Evacuation

Coffee Break

4. Fire modelling in JULES, planned and implemented developments and next steps

12:00-12:20	Doug Kelley (Met Office UK) Dummies guide to using fire models
12:20-12:40	Chantelle Burton/Doug Kelley (Met Office UK) – Overview of fire modelling in JULES
12:40-13:00	Rob Parker (University of Leicester)- Potential machine-learning approaches for model emulation and explainability
13:00-13:15	Mika Peace (The Bureau of Meteorology, Australia)
<i>Lunch Break</i>	
14:15-16:00	DISCUSSION
16:00	WORKSHOP END