

Agricultural fires

Research
Workshop



LEVERHULME

Centre for **Wildfires,**
Environment and Society

Tues 8th March, 14:00-16:30 GMT

MS Teams Virtual Meeting

This Agricultural Fires workshop will explore agricultural residue burning and other fire practices related to agriculture, including trends, earth observation, modelling, impacts (e.g. on health, air quality and ecology), land clearance, and the socio-economic, cultural and governance factors affecting the practices of agricultural burning. The workshop will discuss what major advances we can make in these areas as a Centre and with our collaborators, and will aim to catalyse further dialogues and enhance linkages between different activities and disciplines.

Agenda

Please sign in a few minutes early to allow for a prompt start

14:00- 14:05 Introduction – Martin Wooster, *Chair* (KCL)

14:15- 14:45 Agricultural residue burning - trends, EO data and modelling

Martin Wooster, KCL (10 min) – Overview of trends and EO data in agricultural residue burning

Rahina Sidiki Alare, KCL (10min) Agricultural fires in savannah landscapes: Satellite observational needs and priorities

Matt Kasoar ICL (10min) Representation of agricultural residue burning in global fire models

14:45-15:05 Impacts of agricultural burning

Mark Grosvenor, KCL (10 min) – Measuring impacts of agricultural fire on air quality

Yanan Liu, KCL (10min) - Effect of smoke from agricultural fires on insects

15:05-15:35 Drivers and practices of agricultural burning

Cathy Smith, RHUL (10 min) – An overview of contemporary smallholder agricultural fire practices

Abi Croker, ICL (10 min) Local Livelihoods in East and Southern Africa: contentious land politics

Michel Valette, ICL (10 min) Identifying drivers of deforestation and agricultural maintenance fires in the state of Pará, Brazil

15:35-15:45 -----Break -----

15:45-16:10 Break-Out Groups

1) Representations of Agricultural fires

What is the need for agricultural fire representation in global or regional fire models? What is the minimum and ideal information required and how might it be obtained?

2) Drivers and Magnitudes

What are the drivers of agricultural fires in different regions? What are their unique signatures that may identify them from other types of landscape burning? Where have their magnitude and extent potentially changed over the last three or four decades?

16:10-16:30 Reports from breakout groups and general discussion

16:30 End