



ASSW 2024 Workshop Agenda

High-latitude Fires, Arctic Climate, Environment and Health 3

ASSW Day 1: Thursday 21st March 08:30-12:30 Online/Holyrood JMCC, Edinburgh

This session will provide an overview of current understandings of complex interactions between climate systems, ecosystems, and society. It will identify knowledge and research gaps, and work towards developing recommendations for an interdisciplinary research agenda.

Participants will then have the opportunity to contribute to a working paper (currently in draft form), including developing key research recommendations which will be presented to the Arctic Council at this year's ASSW.

Everyone with an interest in high-latitude fires, whether climate, ecological and/or societal, and from different perspectives and disciplines, is welcome to participate (see bottom of page for funding support).

This session builds on two previous workshops, held at the ASSW 2022 and at the 7th International Symposium on Arctic Research in 2023. It is split into two parts. The first part will involve presentations covering four emerging key themes, including opportunity for Q&A. The second part will be workshop-style and interactive. Participants will have the opportunity to identify any missing topics/ points within the four identified key themes, and contribute to the recommendations and research agenda. We will be using shared online documents (e.g. Google Docs) in Part 2. *It is recommended, but not essential (as notes will be made) to have a laptop to hand.* Finally, we will have a short session on communicating fire pollution health risk for high latitude communities. Contributors in Part 2 will have the opportunity to co-author or be included in the acknowledgements of the paper.

You do not need to register, but it would be good to have an idea of numbers and composition, and to stay in touch post-workshop (for those who wish to). If you are planning to attend, please can you complete this form:

<https://forms.office.com/Pages/ResponsePage.aspx?id=B3WJK4zudUWDC0-CZ8PTBxUZ1iuP5JZOmrgMMRflfzVUNlIzZmBXSjhPNEtEMVRMTzRNVlBGVTVESy4u>

Part 1 08:30- 10:00

1. **Introduction** (10min) – *Developing a Research Agenda for High-latitude fires*, Adriana Ford (Leverhulme Centre for Wildfires Environment and Society)

Presentations (20min per theme, including Q&A)

2. **Theme 1 Earth system interactions and feedbacks** (Marianne Tronstad Lund, CICERO)
"The unique characteristics of high latitude fire and their proximity to the Arctic have the potential to lead to poorly understood Earth system interactions and feedbacks"
3. **Theme 2: Challenges with remoteness** (Adriana Ford, Leverhulme Centre for Wildfires, Environment and Society)
"Remoteness and Arctic lifestyles create unique challenges and risks associated with wildfires"
4. **Theme 3: Community vulnerability and resilience** (Ivan Villaverde Canosa, University of Leeds)
"Underlying socio-economic challenges elevate community vulnerability to wildfires, but strong social networks and Indigenous and local knowledge create resilience"
5. **Theme 4: Adaptation** (James Ford, University of Leeds)
"There are opportunities for adaptation to changing wildfire risk but there are key barriers and potential limits to adaptation"

Coffee 10:00-10:30

Part 2 10:30-12:30

- **Welcome/ Session introduction** (Adriana Ford) (5 min)
- **Wildfires as a Shared Arctic Variable** (Mikko Strahlendorff, Finnish Meteorological Institute) (20min)
- **Workshop Activity 1** - Review of the key themes (and identifying any missing key points) (approx. 25 min)
- **Workshop Activity 2** – Developing Research Recommendations (approx. 45 min)
- **Presentation and workshop activity 3** – *Communicating fire pollution health risk for high latitude communities* (led by Ben Silver, University of Leeds) (20min)
- **Next steps and Session Close** – (5 min)

Organisers

The event is organised by a collaborative team involving:

- **PACES** (Air Pollution in the Arctic: Climate, Environment and Societies);
- **ACRoBEAR** (Arctic Community Resilience to Boreal Environmental change: Assessing Risks from fire and disease (Steve Arnold, University of Leeds; Marianne Tronstad Lund CICERO)
- **Leverhulme Centre for Wildfires, Environment and Society** (Adriana Ford, Matt Kasoar, Imperial College London,)
- **Arctic Voices** (James Ford, University of Leeds)
- **Arctic PASSION** (Michael Karcher, AWI, Vito Vitale, CNR-ISP)

Contact: Adriana Ford at a.ford@imperial.ac.uk

Funding Support for online participants

There is an online day rate option for registering, up until 18th March (£40 reduced, £60 full). The reduced fees are available for early career researchers and Indigenous participants. Early Career Researchers are all students and scholars who are at the undergraduate, graduate or post-graduate level (depending on national context) up to 5 years past their final degree (e.g. PhD). **We will cover the online day rate for Indigenous participants, and ECRs working on a relevant topic (high-latitude fires) (ie. £40pp).** Please contact Adriana Ford at a.ford@imperial.ac.uk to arrange this.