# Session Planning

## Impacts of Climate (in-person? Length = 60 minutes)

### Goals

* Establish the ocean/atmosphere oscillations participants are familiar with.
* Determine if any of these are used, or would be useful, in their forecast operations/intelligence.
* Provide some information that may be new to some or all of the group. This can help address questions like “*Do you need better insight into what the upcoming weeks/months/fire season may look like?*”.

### Linkages

Drought, Overwintering

### Plan

1. Activity: Practitioner participants call out ocean/atmosphere oscillations they are familiar with or use. Tally numbers for each. How many have not been mentioned?
2. Presentation: Hai Lin, ECCC-CMC, MJO (15 minutes)
3. Presentation: UQAM (15 minutes)
4. Discussion

## Drought (Possible hybrid? Length = 60 minutes)

### Goals

* Does drought affect your fire seasons? Would indicators besides DC benefit your agency?
* Does drought impact your fire suppression operations (water supply etc)?
* How does national drought information help in your intelligence?
* Do you produce a relative index using DC or any other indicator? Would this approach help you establish severity of current vs historical drought?
* Does/will overwintering apply in your area?

### Linkages

Data sharing, Impacts of Climate, Terminology, Overwintering (Chelene Hanes)

### Plan

1. Discussion of “Goals” questions above
2. National drought monitoring presentation from AAFC
3. Run the Flash Drought 2021 workshop literature review, run it in the *Terminology/Communications* session

* <https://www.youtube.com/watch?v=bjQX1Ht5wJU&list=PLmhxKH4OH8KLjJmfsG0t748NtL9X4lJQY&index=7&t=23s>

1. Further discussion
2. Discussion: Possible flash drought driver of some recent fire seasons?

## Dependencies on USA Data Sources (NOAA, NASA, USFS, others)

YT:

* GOES telemetry for weather observation transmissions
* Satellite imagery
* Surface and upper air observations
* Hotspots

NT:

* GOES telemetry for weather observations, working on alternate communication strategy

BC:

* 1/2 stations on GOES, with the rest using cell or radio communication. May be possible to convert more stations to cell
* Blend of USA/CDN model guidance

AB:

SK:

* Some stations use GlobalStar (Alberta)
* Alice mentioned AEM/FTS will not provide GlobalStar support, so Iridium is better alternative

MB:

* 37 / 42 stations use GOES telemetry for weather observations, alternate communications likely not possible before autumn

ON:

QC:

* Majority of stations transmit through GOES.

NB:

PE:

NS: (James)

* GOES telemetry for weather observations, investigating alternatives

NF:

* All stations transmit via GOES

Other Atlantic:

Parks:

NRCan:

* Hotspots but working with Sentinel source (1 km),
* International weather observations
* Provincial weather observations may depend on GOES telemetry
* Model data (half of NAEFS, for example), numerous other products used in weather briefings etc but there are alternate sources for many of these.
* We hope ECCC would help develop a pipeline from another WMO centre if Washington DC functionality was compromised, as international weather observations are important for some projects, including CWFIS.

## Assorted Meeting/Email Notes

*Kerry Anderson: Jerry Shields (ON) is interested in your firefighting board game!*

Agencies sending attendees: PC (Emilie), BC?, AB (Alice), SK, ON, QC, YT?, NT?, NRCan

#### From Heather Simpson’s September 27, 2024 email:

Building on our successful workshops in 2023, the Canadian Interagency Forest Fire Centre (CIFFC) Research and Innovation Integration Committee’s (RIIC) is proud to present the FIREAIM — (Fire, Innovation, Research, Engagement, Advancement, Integration, and Mobilization) workshop series. The purpose of these workshops is to shape the future of wildland fire management through research, collaboration, innovation and the integration of ideas. This year's FIREAIM workshop will focus on Fire Weather and how our understanding of Fire Weather affects the management of wildland fires across Canada.

#### Snippet of Heather Simpson’s email from November 27, 2024:

Here are the latest updates on planning for the RIIC FIREAIM Fire Weather Workshop, scheduled for February 25–27, 2025, at York University in Toronto.

1. Register here [https://events.teams.microsoft.com/event/cda0a11c-9c03-4356-b554-d7d60e123390@787049e8-0269-426a-bb62-d347b89d3d91](https://can01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fevents.teams.microsoft.com%2Fevent%2Fcda0a11c-9c03-4356-b554-d7d60e123390%40787049e8-0269-426a-bb62-d347b89d3d91&data=05%7C02%7Crichard.carr%40nrcan-rncan.gc.ca%7C3c99802ab48a468c32cd08dd0f538409%7C05c95b3390ca49d5b644288b930b912b%7C0%7C0%7C638683573978787491%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=cWpnw8TtZAwpU1hTKYb14r3nZRK%2BBR14SgziiZH7MRY%3D&reserved=0) if you plan to attend – either in-person or online, at this point, I don’t need to clarify which one. I will use this for a workshop mailing list.
   * We need to start adding your agency’s potential attendees (both online and in-person) to the registration. I will send another, more sharable email soon. Note, there will be an in-person cap because of the room limitation. Approximately 60 people max, including York students/faculty.
   * A [​Folder icon Workshop](https://ciffc.sharepoint.com/:f:/r/sites/MeteorologyWorkingGroup/Shared%20Documents/General/Workshop?csf=1&web=1&e=f8xnhr&xsdata=MDV8MDJ8cmljaGFyZC5jYXJyQG5yY2FuLXJuY2FuLmdjLmNhfDNjOTk4MDJhYjQ4YTQ2OGMzMmNkMDhkZDBmNTM4NDA5fDA1Yzk1YjMzOTBjYTQ5ZDViNjQ0Mjg4YjkzMGI5MTJifDB8MHw2Mzg2ODM1NzM5Nzg4OTgyOTN8VW5rbm93bnxUV0ZwYkdac2IzZDhleUpGYlhCMGVVMWhjR2tpT25SeWRXVXNJbFlpT2lJd0xqQXVNREF3TUNJc0lsQWlPaUpYYVc0ek1pSXNJa0ZPSWpvaVRXRnBiQ0lzSWxkVUlqb3lmUT09fDB8fHw%3d&sdata=dlI3TTBBaXBRUU9zcjhmM0V3cGhJWTJUOUltWXpxenl3WVFpa3V4cUVhZz0%3d) planning site has been set up on the MWG Teams/SharePoint site for collaboration. The DRAFT agenda is there.

# Travel

If hotel booked along Steeles Ave can take bus 960 to York Univ transit centre (Pioneer Village)