

**Topic:** Tropical Cyclone-Probabilistic Forecast Products (TC-PFP) Pilot Project

**Virtual Meeting Date:** May 17, 2021, 0800 ET/1200 UTC

**Attendees:**

- ~~Raghu Ashrit (National Centre for Medium Range Weather Forecasting, Noida, India)~~
- ~~Julia Chasco (NMS Argentina)~~
- Estelle Coning (WMO, World Weather Research Programme)
- Chris Davis (NCAR Mesoscale and Microscale Meteorology Laboratory)
- Jason Dunion (University of Miami – NOAA/AOML/Hurricane Research Division)
- Anne-Claire Fontan (WMO, Tropical Cyclone Programme (TCP))
- ~~Helen Greatrex (Pennsylvania State University)~~
- John Methven (University of Reading)
- ~~Jane Rovins (Massey University, New Zealand)~~
- Helen Titley (UK Met Office)
- Zhuo Wang (University of Illinois at Urbana-Champaign)
- Munehiko Yamaguchi (Japan Meteorological Agency)
- Hui Yu (Shanghai Typhoon Institute, CMA)

**Agenda:**

1. Update on workshop dates
  - Day-1: 15 June, 1230-1430 UTC: Current & planned probabilistic forecast products
  - Day-2: 17 June, 1230-1430 UTC: Understanding & communicating probabilistic forecasts
  - Day-3: 18 June, 1230-1430 UTC: Resources for producing probabilistic forecasts
2. Update on invited workshop speakers
  - Physical Science: Andrew Burton (BoM), Jonathan Vigh (NCAR)
  - Social Science: Helen Greatrex & Mark DeMaria (Col State/CIRA)
  - Resources: Helen Titley, Ryan Torn (Univ at Albany/SUNY), Fernando Prates (ECMWF)
3. Guidance for our overview presentation speakers
  - These overview talks are important and will set the tone for the rest of the day. We'll try make sure that each overview group meets to discuss the overview talk sometime in the next week.
    - **Jason** has been talking to AB & Jonathan and will set up a call with them this week
    - **Helen G.** has been talking to Jane R. and will meet with Mark Demaria this week
    - **Helen T.** will reach out to Ryan Torn and Fernando Prates to set up a meeting
4. Update on workshop invitation to NWP centers (John)
  - John sent emails out to several contacts. **John** and **Helen T.** will set up an informal meeting to discuss ideas like a possible update to TIGGE that could enhance probabilistic forecasts and avoid having the topic be broached for the 1<sup>st</sup> time at the workshop itself.
5. Draft workshop registration for attendees
  - Google Form: <https://forms.gle/XtBU41ZpUDYEz5d16>
  - Estelle had a few suggestions related to acknowledging WMO WWRP groups and GDPFS >> changes made

- Chris suggested adding a question to the registration that asks, “What would you like to get from this workshop?” >> changes made
  - Zhuo suggested also asking registrants if they are interested in joining the post-workshop writing team >> done
  - **Jason** will email the forecast centers this week and ask that their interested folks to start registering for the workshop.
6. Zoom set up
- We’ll have a few zoom co-hosts to avoid single point of failure (e.g., the leader has an internet outage)
  - break outs (6-8 persons max in each)
  - Jamboard, Google Doc, etc., for leads to take notes during the break-outs
  - We’ll need volunteers from our **team** to help lead break outs (TBD)
7. Workshop schedule (draft)
- Day-1
    - Welcome (why are we here & what do we want to get out of this workshop?): 1230-1240
    - Overview presentation: 1240-1310
    - Break-out groups: 1315-1405
    - Break out group overviews: 1410-1430
  - Day-2
    - Welcome: 1230-1235
    - Overview presentation: 1235-1305
    - Break-out groups: 1310-1400
    - Break out group overviews: 1405-1430
  - Day-3
    - Welcome: 1230-1235
    - Overview presentation: 1235-1305
    - Break-out groups: 1310-1355
    - Break out group overviews: 1400-1415
    - Workshop summary and what’s next: 1415-1430
8. Questions for the break-out groups
- Lead off by defining the main task for the break-out group (what should be in the “best practice handbook”)?
  - Questions for discussion (**Jason** set up a google sheet so that we can brainstorm ideas for questions). The **team** will add draft questions before our next meeting on June 1<sup>st</sup>.
    - Docs for Days 1, 2, &3 can be found in our WMO-PFP main folder:  
[https://drive.google.com/drive/folders/1Yxic2jK\\_NNbTmOr9RQHqZNAH0Rmahsxw?usp=sharing](https://drive.google.com/drive/folders/1Yxic2jK_NNbTmOr9RQHqZNAH0Rmahsxw?usp=sharing)
  - Zhuo suggested making break-out questions available before the meeting
  - Chris suggested that before each break-out begins, identify volunteers who would be interested in being part of a post workshop writing team

9. Google Folder for the TC-PFP effort- if you have access to the Google suite, Jason has added several documents here (e.g., meeting notes, forecast center survey results, TC-PFP overview doc:

- <https://drive.google.com/drive/folders/1lPx-yiqc-mQ66SpvREBD6jkZxu3nau?usp=sharing>

10. Other

- Chris suggested inviting Julie Demuth (NCAR?) to the workshop. Is there a volunteer from our **team** to reach out to her?
- Chris mentioned that WMO may be looking for an update from our project in the late June to early July timeframe (TBD).
- Hui asked if some of our planning docs could be distributed using other platforms in addition to Google. For example, Slack, Sharepoint, etc. **Jason** and **Hui** will talk offline.
- John suggested that we try to get at least a rudimentary web site running that we can point folks to. Muhehiko was working on some HTML code for that. **Jason**, **Munehiko**, and **Hui** will put some text together for that page and coordinate with Estelle to try and get a WMO-sponsored web page going.

11. Next team meeting

- Tuesday 1 June, 7:00 AM CST - 8:00 AM EST - 1200 UTC
  - During the 2<sup>nd</sup> half of the meeting, we'll have an informal "mock workshop" with break out rooms to shake down how the workshop will look
- Monday 7 June, 7:00 AM CST - 8:00 AM EST - 1200 UTC