

EUREC⁴A

6 December 2019 Coordination Call

Participants:

Alan Blyth, Sandrine Bony, David Farrell, Chris Fairall, Trish Quinn, Bjorn Stevens (responsible for notes)

Topics:

1. Follow up on Action Items from last time
2. Shipping updates
3. Planet software
4. Satellite data coordination
5. Forecast planning
6. Action Items for next time

1. Follow up on Action Items from last time:

Here the action items are repeated in quoted italics and addressed in turn.

- *“Please check shipments and procedures, contacting Lutz Hirsch if these are to be coordinated with CIMH for possible facilitation by the Minister.”* We have a sense that the research community is not taking the challenges of shipping earnestly. At this point, preventative measures are difficult, but if problems arise we can try to address them in coordination with the Ministry.
- *“Please review symposium document, suggests speakers”* A draft plan has been put together by Ludovic and outreach team, and a circular will be ready before Christmas.
- *“Decision on Planet”* Tobias Kölling has stepped in to coordinate these activities and LMD and MPI are sharing the costs to put all mobile platforms on Planet.
- *“Follow up with CIMH and Leipzig on Pyrometer network.”* We did not discuss this.
- *“Continue to follow up on data server and network bandwidth.”* A group visited civil aviation but apparently were shown the wrong meeting room, follow up in process.
- *“Look to form satellite working group and web page.”* Good progress on this, see below.
- *“Look into renting a facility for the Symposium, perhaps lecture rooms at University?”* Tentative plan is to explore access to space at the University, needs follow up.

2. Customs and Shipping:

- Still large challenges here. Beverly Collins was ill, hence the lack of contact. Please funnel requests or issues to coordination team. Marvin, David and CIMH are in contact with the ministry and we (the coordination team) follows up regularly.
- We have been in contact with Vaisala about sondes and they seem to be on the way, but are awaiting confirmation from Vaisala USA.

3. PLANET software:

Thanks to Tobias Kölling tremendous progress has been made and most platforms and even autonomous ones will be incorporated into planet. Unfortunately it will not be possible to get the Twin-Otter on planet interactively, and X-chat was proposed as an additional platform. Chris Fairall indicated a desire to have a planet training session, and it was suggested to have a dry run before the first flights. Please contact Tobias if you have questions.

4. Symposium & Outreach:

- Ludovic and the outreach team seem to have this week in hand. Identifying lists of speakers for public lectures, and experiments and volunteers to work with the schools. Plans is for symposium at the University, but details with rooms needs to be worked out.

- German PR group is putting together some press material and is working on the web site. Will distribute this for use by others, and/or comment before distributing.
- Joint press release announcing campaign is in preparation and still plan for it to be issued in December Contact person is [Annette Kirk \(annette.kirk@mpimet.mpg.de\)](mailto:annette.kirk@mpimet.mpg.de)

5. Satellite data coordination

We discussed the need to coordinate the collection, presentation and archival of satellite data. Karim Ramage and AERIS have taken up the coordination of a satellite working group. They had a teleconference and this appears to be developing well. Contact Karim if you have questions or wish to be involved.

The suggestion to add a Satellite sub-page on the [EUREC⁴A](#) platform pages section remains open, and may need follow up with the Satellite working group

6. Forecasting and Platform Bulletins

We discussed the need to bring together a forecasting team. The idea would be daily bulletins following a concise and standard format. These would provide a real-time, one and two day outlook, and synthesize the situation as seen from satellites, upstream measurements, and forecast products. We are looking for someone from one of the platforms who would work as a counter part to Cathy Ann Caesar (CIMH) and her team to develop this Bulletin. Coordination team brainstormed on input and suggested

- synoptic situation, including discussion of cloud patterns
- wind speed and direction, at low level, but also at cloud base and near the inversion
- inversion height
- sounding, with but indicators, i.e., wind shear, predictable water, lower tropospheric stability.
- oceanographic synopsis, including possible feature (front/eddy) tracking
- lifting condensation level measures, incorporating input from Raphael Vogel's working group on cloud-base height definition.

Please speak up if you are interested in leading this activity. Once we identify leads we would ask for a draft bulletin for input. It was mentioned that Florent Beucher, who is a forecaster at Meteo-France now working on AROME-OM, said he would be very interested in playing a role in the forecasting synthesis activity during EUREC4A. Maybe he could help synthesize the information from the different forecasts that will be put on AERIS?

Additionally we asked for daily reports from instrument platforms (when measuring). Some degree of homogeneity or consistency in these will make them easier to parse and cross reference. The MPI team could draft a suggested format.

7. Other Issues

- We still don't have information about a possible flight schedule. This might be difficult to settle before we start flying and it has been suggested to leave this to Andrea Hausold and the SAFIRE team to work out on the ground.
- A R/V planning coordination call is planned and will be summarized at the next meeting.
- Satellite identification of ocean eddies should be coming on line and help anticipate ship deployments, i.e Ron Brown will be sailing in less than a month. Reports from a conference call on this topic will be summarized after next coordination call meeting.
- Next call planned for two weeks, Friday Dec 20, at 17hr CET, i.e., 8am PST (US), please forward issues as they need to be addressed.
- Some technical issues called HALO's participation into question. During the Telecon I received words that DLR is confident it can address the problems and HALO should be ready, perhaps with a 2 day delay. ATR also continues to face an ambitious time-plan, we will keep on top of the situation.
- Installation of PoldiRad remains challenging, both in securing approvals and getting things through customs.

8. Summary of Action Items:

- Sandrine and Bjorn will try to have a mid-call (weekly) follow up with David, also regarding shipping
- Need to identify a forecasting group and templates for bulletins. (All)
- Need template for platform bulletins. (MPI team?)