

**Quarterly Meeting for the American Meteorological Society (AMS)
Committee for Satellite Meteorology, Oceanography and Climatology
Meeting Minutes**

Time: 2:00-3:30pm EST

Date: January 28th, 2022

1. Meeting Participants

The following members participated in the AMS Satellite Meteorology, Oceanography and Climatology (SatMOC) Committee video conference on Friday, January 28th 2022.

Name	Affiliation	Email Address
Mitch Goldberg	NOAA	Mitch.Goldberg@noaa.gov
Jason Apke	CIRA/CSU	jason.apke@gmail.com
Sara Tucker	Ball Aerospace	stucker@ball.com
Kathryn Schontz	NOAA	kathryn.shontz@noaa.gov
Jingli Yang	ERT	jingliyang@ertcorp.com
Mark Mulholland	NOAA	Mark.mulholland@noaa.gov
Jamese Sims	NOAA	jamese.sims@noaa.gov
Gary McWilliams	NOAA	gary.mcwilliams@noaa.gov
Philip Ardanuy	INNOVIM	philip7779@gmail.com
Stephanie Bradshaw	UW/CIMSS	sbradshaw@wisc.edu
Edward Hyer	NRL	edward.hyer@nrlmry.navy.mil
James Yoe	NOAA	james.g.yoe@noaa.gov
Jun Wang	U. Iowa	jun-wang-1@uiowa.edu

2. Agenda

- Welcome/Opening Remarks
 - K. Schontz welcomed everyone to the meeting. We briefly discussed the 2022 AMS annual meeting. Generally positive feedback was provided given the last-minute change to full remote, and the sessions had few issues.*
- Action Item Follow Up
 - Membership for Satellite Industry Association (Kathryn/Mark/Gary)

G. McWilliams: Efforts for membership into the satellite industry association were attempted but unsuccessful.

- Upcoming Meetings

Other action items related to preparing for upcoming meetings, which members provided information on later in the committee meeting (see bullets below).

- AMS Glossary Updates

Committee still needs to follow up with Ward Seguin on what updates to the AMS glossary are needed, and what are feasible to provide.

- Touchstone to our strategic teams for our committee - Additional thoughts and next steps for further exploration or integration

- Diversity, Equity & Inclusion (Jim & James)

Strategic Team has not met since the last SATMOC Meeting. The committee discussed this topic at length, and below is a summary of the key points raised.

M. Goldberg: Next AMS meeting has an “Equity” Theme, i.e., making sure information is getting to those who need it. We want to go from words to actions. Getting people from diverse backgrounds participating at satellite conference, getting speakers to explain their social environment and what type of information would help them could be a future action of the committee.

J. Yoe: We tend to talk about what goes on in our community: it is not enough to have proportionate representation and to have fair and open discussions within our community. How we deliver our service/IDSS in the future will be important. We need broader services longer term with information that helps all Americans more equitably and fairly.

P Ardanuy: The committee can also encourage societal applications enabled by satellites which improve IDSS and applications

J Sims: There's a lot of terminology, diversity, inclusion, equity, justice, and they are different. The committee can make sure there are not barriers in place that block different people from being able to achieve the same goal as others (i.e. removing "gate-keeping"). Regarding inclusion: It is not inclusion if you invite people into a space you are unwilling to change. It is important the committee ensures things are fair and we can change when needed. A possible action item would be to identify what each of our agencies and industries are doing for service equity. Pick some areas and then identify where the status is to what they are doing and where they are going to improve equity and build those within SATMOC. For example, we put the forecast out, so people should evacuate, assuming people have the resources to evacuate. If I don't have the money to rebuild, now I am stuck. So that is why we have to provide equity in services.

S Tucker & J. Sims: There is also a desire to have industry talking about Diversity Inclusion Equity and Environmental Justice, and to reach out to minority businesses, industry, and commerce.

Action Item: *All Members, SATMOC would appreciate if anyone can send any strategic plans that your organization or agency is putting together to look at diversity/inclusion/equity and environmental justice. The goal would be to have a brainstorming session on what our committee could do to address this in the future. Plans are to carve out a significant piece of the next meeting for this discussion.*

Relevant Links Mentioned in Meeting Chat:

<https://www.noaa.gov/environmental-justice> ,
<https://www.mbda.gov/> ,
<https://www.whitehouse.gov/briefing-room/presidential-actions/2021/01/20/executive-order-advancing-racial-equity-and-support-for-underserved-communities-through-the-federal-government/> ,
<https://hazards.fema.gov/nri/>

- Industry (Jingli, Sara, James, Mark)

Strategic Team has not met since the last SATMOC meeting.

S. Tucker: Team discussed the idea of doing a satellite/weather enterprise training class. There are many people who use data products who don't know where they are coming from, and people building satellites who never see what happens with the data that comes from the instruments. The training class would enable each party to discuss a little about what happens in their part of the pipeline and improve total group synergy and connections.

***Action item:** Industry group should convene and discuss activities for the next round of meetings including training class. M. Mullholland, J. Yoe, J. Yang, and S. Tucker can come up with panel recommendations.*

- Students (Jun, Stephanie, Kathryn)/ Satellite Applications Virtual Training Update/Readout (Jun)

J. Wang: We last had a meeting in August and two meetings early this year, each meeting was recorded via Zoom. The short courses taught have recorded materials and training online. Courses covered a range of topics including aerosols, fires, Sea Ice Cover, Ocean Color, GLM, and GPM. There were four training sessions, and we are going to start planning on additional training sessions late spring/summer.

***Action Item:** Student committee needs to meet for new recommendations for student inclusion/training/short courses*

at the next SATMOC committee meeting. This includes possibilities of having Panels or Q/A sessions throughout the year to improve inclusion for short-courses/training beyond AMS meetings.

- Conference Updates and Readouts

- 18th Symposium on Operational Environment Satellite Systems

G. McWilliams: Everything went smoothly, a few minor tech glitches on talks, nothing major. There were 25 oral and 4 poster sessions. There were 41 posters originally, some posters withdrew for remote approach. Town Hall had good attendance (70 people/5 panelists) and good discussion as well. There is an upcoming short course on GOES-R/ JPSS remote sensing capabilities. Registration opened on Jan 19th, will close on Feb 10th. AMS has given us a \$1000 dollar stipend to pay the fees for the first 30 students who enroll.

There was also a student networking event: 84 people signed up for it with an even distribution of mentors/mentees. Mentees were broken up into undergrads, grads and early-career professionals, which helped include more students in networking conversations. The group distributions were very well received.

S. Tucker mentioned that funding allocated for networking event from Ball will be moved to next year.

- 10th Symposium on JCSDA (Jim)

J. Yoe: Good Sessions, posters were down, people withdrew/canceled when AMS changed to virtual. Posters were better attended overall, but still not quite the full/excellent attendance you get in a live session. We were able to keep time for the talks. Our attendance varied from 40-80 people at times.

- 5th Conference on Earth Observing SmallSats (Phil)

Small Sat Symposium:

P. Ardanuy raised the question of whether the SmallSat symposium was worth organizing next year, or if there is now enough overlap with other conferences to consider merging. S. Tucker mentions that the symposium is very NASA centric, NASA is pushing the technology more than NOAA. We would be interested in seeing the stats from the conferences and seeing how inclusive it is and/or if it can be made more inclusive.

J. Yoe: It could help attendance if we coordinate at the STAC level, possibly planning AMS days with themes that extend across individual conferences without undercutting one another. (Possible Action Item for K. Schontz)

***Action Item:** P. Ardanuy: Explore if SmallSat conferences should continue or merge/build synergy with other conferences. Input from the committee on this question is encouraged. S. Tucker: are there any suggestions on what more inclusivity would look like for the SmallSat symposium.*

- Collective Madison Meeting (Jordan)
 - Note to follow up on our discussion for a panel/town hall on how industry, academia and the government can better work together
Held at Monona Terrace. August 8th ends on August 12th. Training workshops on NOAA VLab/DCS on Saturday. GOES-R/JPSS short course on Sunday. Working Group for the WMO region will be meeting as well. Meeting is now being planned as a hybrid instead of full in-person. NOAA has not yet signed a contract for the joint meeting and must pay for NOAA specific aspects of the meeting. Costs are under 150K, means it can be signed off at NESDIS level. A contract is expected in March. After the contract is signed, we can publicly announce a 2022 NOAA satellite conference as part of the meeting. The

meeting will include the 25th conf on satellite meteorology and climatology, the 16th conference on atmospheric radiation and physics, and the 17th conference on cloud-physics. Each day will begin with a plenary session, programs will be designed to make them more attractive to other conferences as well.

- Organizer/Contributer for the Mike Freilich memorial session

J. Gerth request volunteers of this group to put this session together. Coordinating invited speakers and/or a panel. M. Goldberg recommends bringing people outside SATMOC to speak, especially from NASA headquarters

***Action Item:** (M. Goldberg) SATMOC needs to reach out to NASA headquarters for possible organizers and contributors. (Mitch will talk to Jordan Next Week). We don't have anyone from NASA within our group. Any students/other invitees from NASA can be recommended by committee members, and we can nominate more members of this committee going forward.*

****Urgent* Action Item:** The call for papers for the Collective Madison Meeting will go live on February 1. G. McWilliams has emailed topics to SATMOC committee members for review. The topics can be updated after they are published. G. McWilliams is also looking for volunteers to review incoming abstracts. If you would like to volunteer, notify Jordan Gerth.*

- Relevant Links provided in the meeting Chat
https://www.esa.int/Applications/Observing_the_Earth/Meteorological_missions/Arctic_Weather_Satellite
<https://www.capellaspace.com/>
<https://www.planet.com/products/planet-imagery/>
<https://www.ametsoc.org/index.cfm/ams/meetings-events/ams-meetings/collective-madison-meeting/>

- Student Networking Event (Gary)
- Adjourn

K. Schontz adjourned the meeting, noted the several action items brought to the committee's attention (summarized below), and mentioned that anyone with interest in joining the planning sub-working groups can reach out and volunteer at any time.

Action Items-

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