Spring 2026 FPAW Meeting: Day 1
Chat

Dickman, Melanie
4/21 10:04 AM
I am here as well from THE Ohio State University
👍
1 Like reaction

1 ohio-state-buckeyes-logo-svg reaction

Dickman, Melanie
4/21 10:05 AM
I am faculty, though

Schiede, Megan R
4/21 10:06 AM
Thank you to the AMS ARAM Committee for letting us at UAlbany know!
👍
2 Like reactions

Chelsea Kenyon- ZKC CWSU
4/21 10:10 AM
audio is good online
👍
1 Like reaction

Tim Rahmes (Boeing)
4/21 10:11 AM
we do hear it just fine online
👍 👍
3 Like reactions

Dickman, Melanie
4/21 10:23 AM
yes

Chelsea Kenyon- ZKC CWSU
4/21 10:23 AM
we can hear you online

Christian Amaral
4/21 10:24 AM
We can all hear you online

4/21 10:24 AM
Matt Fronzak
We hear you in the room, Scott.

Prof.Dr. İsmail GÜLTEPE
4/21 10:24 AM
sorry, now quite

4/21 10:24 AM
Matt Fronzak
We're working on it!

Prof.Dr. İsmail GÜLTEPE
4/21 10:25 AM
it should be off anyway.

4/21 10:25 AM
Matt Fronzak
Can you now hear Scott adequately?

Dickman, Melanie
4/21 10:25 AM
We can online

4/21 10:25 AM
Matt Fronzak
Good. Thank you,
Dickman, Melanie

Prof.Dr. İsmail GÜLTEPE
4/21 10:26 AM
hear you know.

John Kosak
4/21 10:31 AM
That looks like a useful forecast. It gives us a good idea where to expect the convective weather.

1 Like reaction.

James Tauss
4/21 10:39 AM

Is the .75 for location and timing numbers for the entire CONUS? Could some kind of nested gridding over groups of sectors that requiring higher performance be modeled? As in maybe .75 for 20nm is good for Montana but not for central PA (and 3-9 pm). If I'm understanding....

Randall Bass
4/21 10:41 AM
@JT, it's a one size fits all TCM requirement.

Halperin, Daniel J.
4/21 10:42 AM
Would using an approach like the Method for Object-Based Diagnostic Evaluation (MODE) from the Developmental Testbed Center's Model Evaluation Tools be suitable for eliminating the double penalty issue?

Scott Minnick (AWC)
4/21 10:49 AM
Just a heads up that audio/questions from the audience is difficult to hear/understand online.

John Kosak
4/21 10:50 AM
Plus one, audio in the room breaks up a little.

John Williams
4/21 10:50 AM
I agree. Even speakers in the room can be hard to hear.

John Williams
4/21 10:55 AM
I turned on Captions (from the More menu), which helps a bit, but it misses some of the words too.

Michael Splitt
4/21 10:55 AM
HOw many hours out did you know there was risk?

Patton, Trinity Alice
4/21 10:55 AM
I changed a couple of microphone settings. Do you hear the speakers in the room any better?

Chelsea Kenyon- ZKC CWSU
4/21 10:56 AM
still a bit garbled in the room

John Williams
4/21 10:56 AM
It does seem better to me -- thanks!

John Kosak

4/21 10:56 AM
A little better, if one person talks at a time.

Scott Minnick (AWC)
4/21 10:57 AM
Definitely better.

Michael Splitt
4/21 11:09 AM
It sounds like you need 4 to 5 hours advanced forecast for decision making in this example, is that typical?

Michael Splitt
4/21 11:14 AM
audio a little sketchy

Siegel, Joel M (FAA)
4/21 11:14 AM
Michael Splitt4/21/26 11:14 AM
audio a little sketchy
we're trying!

Britto Hupsel De Azevedo, Gus
4/21 11:16 AM
Mike, can you hear Joel well?

Michael Splitt
4/21 11:17 AM
better.

Britto Hupsel De Azevedo, Gus
4/21 11:17 AM
OK, tks.

Chris
4/21 11:17 AM
Can hear Joel better than other audience folks.

1 Like reaction

John Kosak
4/21 11:20 AM
We're also trying to plan in advance for those northeast/southeast AFPs. We are waiting to see which TMIs will be used so that we can file thru or around the most impactful TMIs, so forecast products that help the Command Center make those decisions sooner and with higher accuracy, help us as well.

Michael Splitt
4/21 11:22 AM
patton is hard to hear

2 Like reactions

Michael Splitt
4/21 11:23 AM
sorry -- that's the name on the video..but that was sketchy

John Kosak
4/21 11:28 AM
I don't need perfect, we need good. Gives us a place to start.

4/21 11:29 AM
Matt Fronzak
I see your hand, Jason, and will try to get you in.

1 Like reaction

Jason Baker (ANG-C61)
4/21 11:29 AM
Perfect is also subjective based on perspective. Sometimes ATCSCC, ARTCC vs line controller vs airline define perfect differently.

1 Plus sign reaction

Dickman, Melanie
4/21 11:31 AM
we can hear you

Jason Baker (ANG-C61)
4/21 11:35 AM
Sorry other Jason. :-)

4/21 11:37 AM
Matt Fronzak
@Mike Splitt - sorry, moving on.

Mike SPlitt
4/21 11:37 AM
mY fault I hit the wrong button

1 Like reaction

John Kosak
4/21 11:38 AM
break time?

Siegel, Joel M (FAA)
4/21 11:38 AM
Unknown User4/21/26 11:38 AM
break time?
Yessir

Siegel, Joel M (FAA)
4/21 11:39 AM
Until 1040 central the way I understand it.

James Tauss
4/21 11:44 AM
....and translation into FAA ops parlance. Not meteorological parlance.

4/21 12:04 PM
Matt Fronzak
FAA Weather Needs Portal: https://www.faa.gov/nextgen/programs/weather/suggestions

Scott Minnick (AWC)
4/21 12:12 PM
Thank you, Randy!

Baker, Jason M (FAA)
4/21 12:23 PM
Matt F, does FPAW has a voice in the FAA Wx Strategy effort?

Prof.Dr. İsmail GÜLTEPE
4/21 12:28 PM
welcome.

Baker, Jason M (FAA)
4/21 12:28 PM
We (FAA-ANG-C6) have funded some research with regards to the "good enough" conversations... it's how we have the current TFM requirements so we wouldn't have to start at square one. Refine them, maybe, but don't need to reinvent the wheel.

John Kosak
4/21 12:29 PM
Is that on the NSR call?

John Kosak
4/21 12:30 PM
Unknown User4/21/26 12:29 PM
Is that on the NSR call?

The review of the TCF that Brandon is talking about.

4/21 12:30 PM
Matt Fronzak
Unknown User4/21/26 12:23 PM
Matt F, does FPAW has a voice in the FAA Wx Strategy effort?
Only through individuals who participate in both.

Baker, Jason M (FAA)
4/21 12:32 PM
Matt, thanks for confirming. Would be nice in my opinion if industry had a voice. One person's opinion.
💯
1 Hundred points reaction

james evans
4/21 12:37 PM
Much of the convection in the high traffic density northeast region is "unorganized" weather with relatively small storm extents and cell lifetimes typically on the order of 30 minutes. Clearly at 4-hour lead times a random process characterization of performance will be needed and, there needs to be a concerted effort on forecast information for short lead times that leads to improved short lead time decision making. The deterministic criteria set forth in the introduction slide would not seem useful for this aspect.
👍
1 Like reaction

John Kosak
4/21 12:41 PM
R-Y-G makes dashboards real easy to use.

Johnston, Kevin CTR (FAA)
4/21 12:48 PM
with respect to uncertainty, the TFMers use terminology such as "Possible", "Probable" and "Expected" for potential TMIs. The Met community and Ops community should work together to connect particular Met prob thresholds to their terminology. Then measure that performance.
👍
1 Like reaction
💯
1 Hundred points reaction

Baker, Jason M (FAA)
4/21 12:49 PM
CWAP three levels, low, medium and high, but I think that's similar to possible, probable and likely.

Jason Godwin (AWC)

4/21 12:57 PM

If you're interested in the "ProbTCF" we experimented with last summer in the Aviation Weather Testbed (the probabilistic data Scott M. was just showing), send me an email (jason.godwin@noaa.gov). I can give more details to anyone interested.

The short end is we used an 11-member CAM ensemble, derived "practically perfect" TCF areas on all 11, stacked them, then determined what percentage of them showed sparse or medium coverage on given grid cells, then from that drew a "consensus TCF".

2 Like reactions

Michael Splitt

4/21 12:59 PM

Can/should there be a "text discussion" that goes along with the TCF forecast so folks can see what the "thinking" is?

1 Hundred points reaction

1 Like reaction

Baker, Jason M (FAA)

4/21 1:01 PM

Data--> regionally tuned based on metrics --> using things like AI/ML that can make forecast tuning dynamically

Jason Godwin (AWC)

4/21 1:01 PM

Michael Splitt4/21/26 12:59 PM

Can/should there be a "text discussion" that goes along with the TCF forecast so folks can see what the "thinking" is?

It's not a bad idea, but from my experience working on the TCF desk at AWC, the 2-hour TCF production cycle just doesn't really allow for it. To me, this is where the CWSUs and ATCSCC mets add value, by being able to explain and fill in gaps from the graphical product.

Smith, Brandon (FAA)

4/21 1:02 PM

I saw a question about the TCF review on the NSR – that's a 3rd party vendor who produces that. I don't believe it gives accuracy scores/statistics though.

Baker, Jason M (FAA)

4/21 1:02 PM

CAWS had a discussion. Mixed results.

John Kosak

4/21 1:30 PM

Unknown User4/21/26 1:02 PM

CAWS had a discussion. Mixed results.
I thought the discussion was one of the good parts of that product. I like any product with a discussion. Maybe not as long as what we get with an SPC MD, but a few sentences to explain the thought process or to communicate uncertainty couldn't hurt.

Flowe, Tammy (FAA)
4/21 2:01 PM
Are you all still muted?

Burkely Gallo (16 WS)
4/21 2:02 PM
They're showing as muted to me

Flowe, Tammy (FAA)
4/21 2:02 PM
Me too

George, Tom
4/21 2:03 PM
No audio from the room...

4/21 2:03 PM
Matt Fronzak
Any others besides Tom with no audio?

Burkely Gallo (16 WS)
4/21 2:03 PM
I'm getting them now, Tom, at least from that front mic....

George, Tom
4/21 2:04 PM
Back on. Thanks!

Randall Bass
4/21 2:04 PM
I hear everything fine

1 Like reaction

Mike SPlitt
4/21 2:04 PM
I can hear -- but hard when more than one person is talking.

2 Hundred points reactions

Mike SPlitt

4/21 2:22 PM
What is a needed CSI at 4 to 5 hours out for decision making (based on this morning's examples?

Mike SPlitt
4/21 2:29 PM
It seems that having verifiable and impactful metrics are a priority?

Burkely Gallo (16 WS)
4/21 2:29 PM
I think that's right, Mike, it's diagnosing those metrics from a variety of stakeholders that's a huge challenge.

Mike SPlitt
4/21 2:30 PM
hard to hear

Mike SPlitt
4/21 2:30 PM
thx

Baker, Jason M (FAA)
4/21 2:30 PM
Mike, FWIW CSI is not cited in the current requirements. References to false alarm rate, location error, timing error for onset, and cessation.

1 Like reaction

Chelsea Kenyon- ZKC CWSU
4/21 2:37 PM
Can anyone give an update on when the HREF and/or NAMNest will no longer be available to forecasters? We really rely on those HRRR alternatives as a reality check for convective scenarios.

Jason Godwin (AWC)
4/21 2:38 PM
Unknown User4/21/26 2:37 PM
Can anyone give an update on when the HREF and/or NAMNest will no longer be available to forecasters? We really rely on those HRRR alternatives as a reality check for convective scenarios.
I think whenever the RRFS/REFS become operational.

Chelsea Kenyon- ZKC CWSU
4/21 2:39 PM
Last we heard that was this month. Is it safe to say that has been delayed, at least for this season?

Christian Amaral
4/21 2:39 PM
RRFS: 2028

Baker, Jason M (FAA)
4/21 2:39 PM
All, ANG-C61 funding research to get at parts of the discussion. Starting with CoSpa consistency in high value areas to infer confidence.

1 Like reaction

Mike SPlitt
4/21 2:52 PM
Cost metrics might be easy in terms of efficiency (or easier) but what about safety? That always seems to be hard to put a number on.

Baker, Jason M (FAA)
4/21 3:13 PM
CCFP = meteorological product, CAWS = impact product, TCF = meteorological product but being mindful of operations in my mind. Have METs develop products (example CAWS) for TFM is messy, based on who is calling the balls and strikes.

Burkely Gallo (16 WS)
4/21 3:15 PM
Thanks for that breakdown, Jason, helps to clarify product differences and identify places that verification bridges can be built!

Baker, Jason M (FAA)
4/21 3:15 PM
Impact on X route in sector XX in ZXX may be a factor for that controller, for a TMU, but not for the ATCSCC

Baker, Jason M (FAA)
4/21 3:17 PM
CCFP, CAWS and TCF is really the same product, it's more an evolution for those who don't know.

2 Like reactions

Burkely Gallo (16 WS)
4/21 3:21 PM
The pieces being in place in time to make the decision is another huge part of the "technical verification" outside of a lot of the scientific verification that we're discussing here. It's a huge piece that operations needs, thanks for bringing it up Chelsea!

Siegel, Joel M (FAA)
4/21 3:21 PM
Is PERTI still a thing at the ATCSCC? Is TCF a piece of that during convective season/convective events?

Baker, Jason M (FAA)
4/21 3:25 PM
Overlaying convective weather and PDARS data is interesting to me.

Slovak, Elizabeth (FAA)
4/21 3:26 PM
yes. PERTI is still at ATCSCC, the NAMs are briefing forecasts in the 14:30 briefing for the next day's outlook

Gregg, Christine
4/21 3:26 PM
Unknown User4/21/26 3:21 PM
Is PERTI still a thing at the ATCSCC? Is TCF a piece of that during convective season/convective events?
It is. There is not a review of TCF during the PERTI call that is held daily given the time frame (2:30pm day prior), but each call is opened with a meteorologist briefing with some industry input in the form of TAFs at critical terminals.

That said, during the operations plan, TCF is briefed out at the start of each call. These are held every two hours each day.

Baker, Jason M (FAA)
4/21 3:27 PM
I agree, got to get people excited and understand why things are happening. There's a reason why you were delayed at EWR for 4 hours. It's because your plane was at ORD and couldn't get through Ohio to get to you.
💯
1 Hundred points reaction
👍
1 Like reaction

Randall Bass
4/21 3:38 PM
@KJ - The Mets are performing horribly! 11 loses in a row!

Mike SPlitt
4/21 3:39 PM
Randall Bass4/21/26 3:38 PM
@KJ - The Mets are performing horribly! 11 loses in a row!
Ha! Go Cubs!

Scott Minnick (AWC)
4/21 3:42 PM
Thank you, Kevin! Great feedback!

Baker, Jason M (FAA)

4/21 3:46 PM

I think there's a way to keep the current set of requirements, but widened them (geographically) for certain parts of the country. In short, you get a bigger target. I think permeability is going to be difficult to measure. It's like asking the pilot to verify did the severe turbulence they did not fly though happen.

Baker, Jason M (FAA)
4/21 3:51 PM

FWIW, permeability is how CWAP polygons are built, from the CWAM model. So there could be a connection there if we consider verify permeability. Thanks James for putting this together and for FPAW for the interest in this topic.

Wayne Sand
4/21 4:20 PM

Is there a plan to include private weather stations?

Flowe, Tammy (FAA)
4/21 4:57 PM

Thank you, Gus and Chris, for a very good presentation!

ismail gultepe
4/21 4:58 PM

I dont think Vis is well known for its accuracy? For cold climate, it can be 50% uncertain.

ismail gultepe
4/21 5:00 PM

What does speaker think about this?

George, Tom
4/21 5:38 PM

Very interested in seeing this move forward. Thanks!