


The following slides contain questions about how you view the current UFS Community of Modelers. Please contribute your response to each question on the following pages. [Use the sticky note feature  on the left side to contribute a written response].

1. Do you believe that there is a UFS modeling community? Why or why not?
2. Do you consider yourself a part of the UFS modeling community? Why or why not?
3. If you feel you are a part of the UFS modeling community, how would you describe the UFS modeling community?
 - What are the top three benefits of being in the UFS modeling community?
 - Who are the stakeholders in the UFS modeling community?
 - Is there a leadership or management structure for the UFS community? If not, what sort of leadership or management structure does the UFS community need?
4. For those that feel as though they are not part of the UFS modeling community, is a community around the NWS/NOAA models needed?
 - What are the top three needs for (building) a modeling community?
5. What does your model integration in the UFS ecosystem look like?

1. Do you believe that there is a UFS modeling community? Why or why not?

There is a community but believe its too small - still in early stages in building an ecosystem for research

current UFS community is very NOAA centric - have some partners in academia and industry (feel they face a lot of challenges)

UFS is a community of communities - depends on the application. UFS WM (120-130 collaborators). HAFS (70-80 papers and 40 NOAA was not aware of)

UFS at a point - needs to do an assessment - where does the UFS community want to and then focus on building around it. Limited resources

NOAA needs to expand funding/resources beyond CIs...

Build and they will come

don't have resources to run the codes - need access to the data

UFS community vs. UFS modeling community. Need to differentiate. User base for UFS def needs to grow. Entry point needs to be much lower. Access to computing.

Lapenta students are struggling and they are working with EPIC directly. Ease of use -

HAFS has a strong community - getting forecasters involved.

Ocean services - focused on the Community of Practice.

need to link the work with UFS with the people in the community and the impacts the weather has

2. Do you consider yourself a part of the UFS modeling community? Why or why not?

**for next UIFCW:
engaging the UFS
community - less
science talks. more
on how it impacts
the community
itself. need a true
feedback loop - R2O
and O2R.**

**Forecasters
want to
provide
feedback back
to the
modelers**

**focus more on
training for
modelers for
science
communication - be
able to link back the
work they are doing
with the impact on
the community**

**The JCSDA CRTM
model is a critical
component of the
UFS system, but I
have not been
invited to be directly
engaged with any
EPIC/UFS groups
(bjohns@ucar.edu)**

**local impacts - how
it translates down to
operations. NWS
focused more on
science
communication.**

**qualitative
aspect -
understand
the why, the
purpose**

3. If you feel you are a part of the UFS modeling community, how would you describe the UFS modeling community?

The academia and individual researchers benefit more on the coastal system, first there is less support on that; second, it is difficult to set up the system on hpc;

there should be improvement in this aspect and engagement especially making the system more flexible; improving documentation and others

UFS modeling community?

+1 community-focused workshop

community focused workshop - use the other science conferences throughout the year to compliment the science

incorporating some end users (bring in people who use NOAA products). include the decision/sticking points of the UFS that impact the community

SPC users, social scientists, link what we our models are capable of doing to the public impact

technical policy part of the UFS community - NCO needs to be open to community policies

- Who are the stakeholders in the UFS modeling community?

CSPs - don't see us promoting the use of the cloud

cybersecurity - NWS modeling infrastructure

- Is there a leadership or management structure for the UFS community? If not, what sort of leadership or management structure does the UFS community need?

4. For those that feel as though they are not part of the UFS modeling community, is a community around the NWS/NOAA models needed?

The JCSDA CRTM model is a critical component of the UFS system, but I have not been invited to be directly engaged with any EPIC/UFS groups (bjohns@ucar.edu)

CRTM has been identified (by UFS) as a exemplar of community modeling. https://ufscommunity.org/wp-content/uploads/2020/09/UFS_Newsletter_Summer_2020_Full.pdf

- What are the top three needs for (building) a modeling community?

(1) Articulation of Vision (2) Key collaborative areas and point(s) of contact (3) Methods for engagement

Support for the community,

5. What does your model integration in the UFS ecosystem look like?

[JCSDA CRTM] DA forward operator for satellite observations (via JEDI/UFO), provides radiance -> physical state knowledge via state Jacobian. Also post-processing.

