![U.S. Global Change Research Program]

2023 USCMS Summit Meeting Agenda

9th United States Climate Modeling Summit
April 25th – 26th 2023 (All times are EDT)

Day 1 (Tuesday, April 25th 2023):

Virtual Connection: **meet.google.com/akq-xzpz-xoe**

1:30 – 1:35 Opening remarks by Gary Geernaert

1:35 – 2:30 Updates on previous/ongoing USCMS activities, milestones, and timelines.

    1:35 – 1:50 Vaishali Naik: *World Avoided.*

    1:50 – 2:05 Susanne Bauer and V Ramaswamy: *CERESMIP.*

    2:05 – 2:15 Gokhan Danabasoglu: *Outcome of 2021 Workshop on Earth system. predictability*

    2:15 – 2:30 John Dunne: *Summary of 2023 workshop.*

2:30 – 3:30 Modeling center update including summary of center activities related to modeling weather and climate extremes (Part 1).

    2:30 – 2:50 Ruby Leung: *E3SM*

    2:50 – 3:10 V Ramaswamy: *GFDL*

    3:10 – 3:30 Gavin Schmidt: *GISS*

3:30 – 4:00 Break

4:00 – 5:00 Modeling center update including summary of center activities related to modeling weather and climate extremes continued (Part 2).

    4:00 – 4:20 Bill Putman: *GSFC*

    4:20 – 4:40 Gokhan Danabasoglu: *NCAR*

    4:40 – 5:00 Vijay Tallapragada: *NCEP*

5:00 – 5:30 Steven Pawson: *Climate/Earth system reanalysis presentation and discussion*

End of Day 1

2023 USCMS Summit Meeting Agenda
<u>**Group Dinner:**</u> Palace of Asia (4591 Route 27, Kingston, NJ 08528)

Day 2 (Wednesday, April 26th, 2023):

Virtual Connection: **meet.google.com/wee-obfb-cde**

<u>**8:30 – 10:00**</u> Discussion on digital twins

8:30 – 8:45 Ruby Leung: *Summary of NASEM Digital Twin Workshop.*

8:45 – 9:00 Andrew Gettelman: *WCRP Digital Earths Lighthouse Activity*

9:00 – 10:00 Modeling Center Representatives: *Panel Discussion on Digital Twin Priorities, Activities, Visions, Challenges, Opportunities, and Collaborations*

Questions: Why DT, how is DT relevant to your agency's priorities, what's your vision on DT? What is being done at your centers? What are the challenges? What are the opportunities? What collaborative efforts may help achieve your goals on DT?

<u>**10:00 – 10:30: Break**</u>

<u>**10:30 – 11:15**</u>: Panel Discussion on Data Access, Sharing, and Management. Nelson Memo, Big Data Challenges, and Current and Future Considerations.

- Questions to be addressed by the presentations: what type of big data challenges are you facing, how have you been addressing those challenges, and how to address remaining gaps

- Questions to be addressed at the panel discussion: reflect on what we've heard, identify gaps and challenges that are common to the agencies, discuss opportunities for collaborations/coordination

10:30 – 10:38 David Considine: *NASA.*

10:38 – 10:46 Aparna Radhakrishnan: *NOAA*

10:46 – 10:54 Forrest Hoffman, Casey Burleyson: *DOE (ESGF and MSDLIVE)*

10:54 – 11:02 Raleigh Martin: *NSF*

11:02 – 11:15 *General Discussion*

<u>**11:15 – 12:00**</u>: Updates and Discussions on US and International Activities

11:15 – 11:30 John Dunne: *CMIP.*

11:30 – 11:45 Allison Crimmins, Dan Barrie: *Modeling Center Support for NCA*

11:45 – 11:55 Jin Huang: *GPEX and International Year of Precipitation*

11:55 – 12:00 *General Discussion*

12:00 – 12:30: John Dunne, Ruby Leung: *Topics and Summit Items for 2024*

End of Meeting

Climate modeling center leads:

Dave Bader (DOE LLNL)

Susanne Bauer (NASA GISS)

Gokhan Danabasoglu (NSF NCAR)

John Dunne (NOAA GFDL)

Brian Gross (NOAA NWS/NCEP)

Dave Lawrence (NSF NCAR)

L. Ruby Leung (DOE PNNL)

Steven Pawson (NASA GMAO)

Bill Putman (NASA GMAO)

V. Ramaswamy (NOAA GFDL)

Gavin Schmidt (NASA GISS)

Vijay Tallapragada (NOAA NWS/NCEP)