

AGENDA
Strategic Implementation Plan (SIP) Meeting (August 1-3, 2017)

NCWCP Conference Center
5830 University Research Court, College Park, MD 20740

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DAY 1: Tuesday, August 1, 2017, 8:00am-5:00pm

- 8:00 am** Networking + Beverage service
- 8:30 am** Welcome/Introduction (Mike Farrar, NWS/NCEP/EMC Director)
- SIP WG summaries/updates**
- 8:40 am** Draft Governance document (Ricky Rood, Univ. of Michigan)
- 9:10 am** Draft Comms/Outreach Plan (Tim Schneider, NWS/OSTI)
- 9:20 am** SIP Annex 1, NGGPS model suites planned for EMC Ops (Vijay Tallapragada, NWS/NCEP/EMC)
- 9:30 am** SIP Annex 2, System Architecture WG
- 9:40 am** SIP Annex 3, Infrastructure WG
- 9:50 am** SIP Annex 4, Dynamics and Nesting WG
- 10:00 am** SIP Annex 5, Model Physics WG
- 10:10 – 10:30** **BREAK**
- 10:40 am** SIP Annex 6, Data Assimilation WG
- 10:50 am** SIP Annex 7, Convective Allowing Models (CAM) WG
- 11:00 am** SIP Annex 8, Marine Models WG
- 11:10 pm** SIP Annex 9, Land Surface Models and Hydrology WG
- 11:20 pm** SIP Annex 10, Aerosols & Atmospheric Composition WG
- 11:30 pm** SIP Annex 11, Ensembles WG
- 11:40 pm** SIP Annex 12, Post-processing WG
- 11:50 pm** SIP Annex 13, Verification WG
- 12:00 pm** **LUNCH (orders taken in advance)**
- Open discussion and SIP WG breakouts (TBD)**
- 1:00 pm** Identify next steps for meeting (e.g., major issues to address, ad hoc breakout groups)
- OPEN DISCUSSION or BREAKOUTS (TBD)
- 3:00 – 3:30** **BREAK**
- 3:30 pm** OPEN DISCUSSION or BREAKOUTS (TBD)
- 4:45 pm** Day-1 Wrap-up
- 5:00 pm** ADJOURN for the day

DAY 2: Wednesday, August 2, 2017, 8:00am-5:00pm

- 8:00 am** Network/Beverage service
- 8:30 am** Day-1 recap + discuss specific steps for Day-2
OPEN DISCUSSION or BREAKOUTS (TBD)
- 10:00 – 10:30** **BREAK**
- 10:30 am** OPEN DISCUSSION or BREAKOUTS (TBD)
- 12:00 pm** **LUNCH (orders taken in advance)**
- 1:00 pm** OPEN DISCUSSION or BREAKOUTS (TBD)
- 3:00 – 3:30** **BREAK**
- 3:30 pm** OPEN DISCUSSION or BREAKOUTS (TBD)
- 4:45 pm** Day-1 Wrap-up + Finalize Strategy/Selection for Writing/Briefing team(s)
- 5:00 pm** ADJOURN for the day

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DAY 3: Thursday, Aug 3, 8:00am-5:00pm

- 8:00 am** Network/Beverage service
- 8:30 am** Writing/Briefing Team(s) -- OPEN DISCUSSION or BREAKOUTS (TBD)
BREAK to be Ad Hoc during this period
- 11:00 am** **NGGPS Poster Session** (area outside of conference center and auditorium; list next page)
- 12:00 pm** **LUNCH (orders taken in advance)**
- 1:00 pm** SIP Presentation and Discussion with UMAC and partner agency reps
- 3:00 – 3:30** **BREAK**
- 3:30 pm** SIP Presentation and Discussion with UMAC and partner agency reps (continued)
- 4:45 pm** Wrap-up
- 5:00 pm** ADJOURN

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LINKS

[SIP Meeting registration form](#) [Hotel reservation at Greenbelt Marriott](#) [Beverage/snack and lunch](#)

Remote access: see last page of this agenda document

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Poster Session of NGGPS/MAPP Principal Investigators Meeting
Thursday, August 3, 2017; area outside of conference center and auditorium

Topic 1: NGGPS Testbeds

- Application of a Hybrid Dynamical-Statistical Model for Week 3 to 4 Forecast of Atlantic/Pacific Tropical Storm Activity* (Jae Schemm and Hui Wang, NCEP-CPC)
- Real-time VIIRS land surface products in NOAA's numerical weather prediction applications* (Ivan Csiszar, NESDIS)
- Data Mining of High Resolution Storm-Scale Data Sets* (Kristin Calhoun for Travis Smith, OU/CIMMS & NOAA/NSSL)
- Cloud-scale variational lightning data assimilation within WRF-ARW using GSI and NEWS3DVAR* (Kristin Calhoun for Alex Fierro, OU/CIMMS & NOAA/NSSL)

Topic 2: Physics/Modeling and Framework

- Improving cloud microphysics and their interactions with aerosols in the NCEP cloud models* (Sheng-Po Chen for Sarah Lu, State University of New York - Albany)

Topic 3: Data Assimilation

- On the Use of Valid Time Lagging (VTL) Ensembles to Increase Ensemble Size in the GFS Hybrid 4DVar System* (Xuguang Wang, University of Oklahoma)
- The development of a multi-resolution hybrid 4DVar system for GFS* (Xuguang Wang, University of Oklahoma)
- Development of Advanced Data Assimilation Techniques for Improved Use of Satellite-Derived Atmospheric Motion Vectors* (James Jung, University of Wisconsin)
- Improvements in Air Temperature Forecasts in the Global Forecast System (GFS) via Assimilating ASCAT Soil Moisture Retrievals* (Mitchell Schull, University of Maryland-ESSIC)

Topic 4: Verification/Validation

- Diagnosing and quantifying uncertainties of the reanalyzed clouds, precipitation and radiation budgets over the Arctic and CONUS using combined surface-satellite observations* (Baiké Xi, University of North Dakota)
- Predictability and Prediction Skills of Persistent High Pressure Systems in GEFS* (Ping Liu, State University of New York - Stony Brook)
- Developing Physics-oriented Diagnostic Tools for Model Evaluation and Improvement* (Wei-Wei Li for Zhuo Wang, University of Illinois)

Topic 5: Post-Processing and Applications

- Improving Global Wind-Wave Probabilistic Forecasts and Products Beyond Week 2* (Ricardo Campos for Steve Penny, University of Maryland)
 - Investigation of aerosol effects on weather forecast using NCEP global forecast system* (Partha Bhattacharjee, NCEP/EMC for Sarah Lu, State University of New York Albany)
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Strategic Implementation Plan (SIP) Meeting
August 1-3, 2017
Remote access logistics

Remote access for PLENARY sessions (Tue-Thu):

Video access for the meeting from your computer, tablet or smartphone.

[Link join the meeting \(webex\)](#)

Meeting number: 903 879 637

Voice access via conference call: telecon 1-866-756-2072, passcode 4546287#

Remote access for individual breakout sessions (Tue-Thu):

Video access for the meeting from your computer, tablet or smartphone: NONE planned

Voice access via conference call: TBD (will provide as needed)