

NCEP Synergy Meeting Highlights: August 25, 2014

Due to an unfortunate mix-up regarding the teleconference line, no participants outside of NCWCP were able to join. Thus, these notes represent a truncated meeting.

This meeting was led by Mark Klein (WPC) and attended by Keith Brill and Steve Zubrick (WPC); Justin Cooke and Simon Hsiao (NCO); Geoff DiMego, Mark Iredell, and Mary Hart (EMC)

1. NOTES FROM NCO (*Justin Cooke*)

NCO currently has 5 models undergoing 30-day evaluations:

| Model | Evaluation period ends | Feedback due to NCO | NCEP Director's Briefing | Estimated implementation date |
|-------------------------------|-------------------------------|----------------------------|---------------------------------|--------------------------------------|
| Sea Ice Drift | Ended | August 29 | September 8 | September 9 |
| NGOFS | August 30 | September 5 | September 12 | September 16 |
| GFS Extratropical Storm Surge | September 16 | | | September 30 |
| HRRR | September 19 | | | September 30 |
| HYSPLIT | September 19 | | | September 30 |

Please see the [PMB change](#) web page for more details on the above-mentioned models

Other models scheduled for implementation in Q1 FY15 include:

- CMAQ
- Wave Model
- GFS (estimated November implementation)

2. NOTES FROM EMC

2a. Global Climate and Weather Modeling Branch (GCWMB) (*Mark Iredell, Glenn White*)

- Most of the GFS code packages have been handed off to NCO SPA team. Remaining code related to production of guidance is still being worked on. While a November implementation is still planned, this date is currently looking "ambitious".

- Glenn White is conducting outreach activities to solicit feedback on EMC's GFS parallel and retrospective runs (data available on the web). He noted that recent firewall and cabling work on the WCOSS has resulted in multiple disruptions to running the parallels.
- GEFS upgrade is slated for WCOSS Phase 2, and will likely be first implementation on Phase 2 system. Phase 2 will be available in March 2015. There is discussion of running one cycle a day of the current GEFS for some period (~1 year) to support reforecast operations given the statistical inconsistency between existing reforecasts and those run off the upgraded model.

2b. Mesoscale Modeling Branch (MMB) (Geoff DiMego)

- RTMA/URMA upgrade
 - Slated for Q1 FY15. Code is scheduled to be handed off to the SPA group in September
 - Will eliminate legacy QC reject lists, instead using the QC built into the 2D VAR of the GSI.
 - Cloud analysis and maximum/minimum temperature products will be upgraded/added
- SREF upgrade
 - Targeted for FY15Q2 upgrade, horizontal resolution will remain at 16-km, but will increase to twenty-six members.
 - WRF NMM members will be dropped

Looking ahead, the next NAM upgrade is scheduled for FY15 Q4

2c. Marine Modeling and Analysis Branch (MMAB) (No representative)

The next Synergy Meeting is Monday, September 29th, in NCWCP conference room 2890, with remote teleconferencing capability.

Telecon: **1-866-763-1213**

Passcode: **524234#**