

HEFS Workshop #5

25th-26th February, 2014

National Weather Service Headquarters
Office of Hydrologic Development
SSMC 2
Silver Spring, MD

Agenda

Tuesday, February 25th – Room 8246

8:00 AM (15 mins)	Seminar A: Introduction to the Workshop <ul style="list-style-type: none">• Aims and agenda (James)• Safety briefing (Mark)	James and Mark
8:15 AM (60 mins)	Seminar B: Hindcasting concepts and requirements <ul style="list-style-type: none">• Data requirements• Experimental design• Hindcasting mechanics and configuration• Practical considerations	James
9:15 AM (15 mins)	Break (return to Room 7349)	
9:30 AM (30 mins)	Demo 1: CHPS configuration for end-to-end hindcasting <ul style="list-style-type: none">• Describe key concepts• Describe general outline of process• Describe and demo the Tips and Troubleshooting	Jim
10:00 AM (90 mins)	Exercise 1: Implement end-to-end hindcasting <ul style="list-style-type: none">• Implement changes to the operational configs for hindcasting• Two basins considered (in CNRFC)• Generate and visualize hindcasts	Jim, Shaif
11:30 AM (30 mins)	Demo 2: Automated hindcasting with robot <ul style="list-style-type: none">• Demo robot as interim solution for memory issues or to conduct a split run for computational efficiency	Xiaoshen
12:00 PM (60 mins)	Group lunch at Oriental East (return to Room 7349)	
1:00 PM (30 mins)	Seminar C: Review MEFP diagnostics <ul style="list-style-type: none">• Refresher on MEFP data quality control diagnostics• Refresher on MEFP parameter diagnostics	Hank

1:30 PM (60 mins)	Exercise 2: Making decisions with MEFP parameter diagnostics <ul style="list-style-type: none"> • Expected patterns in the parameter diagnostic plots and handling unexpected patterns • Sample size issues and data window width • Diagnosing issues with particular forecast sources during particular times of the year. • Identifying and handling spurious correlation values. • Feedback and suggestions on enhancements (time permitting, otherwise during end of day feedback) 	Hank
2:30 PM (15 mins)	Break (return to Room 8246)	
2:45 PM (75 mins)	Seminar D: Ensemble verification concepts and requirements <ul style="list-style-type: none"> • Motivation • Data requirements • Attributes of forecast quality • Measures of forecast quality 	James
4:00 PM (15 mins)	End of day feedback and discussion <ul style="list-style-type: none"> • Complete feedback form and discuss 	Mark and James

Wednesday, February 26th – Room 7349

8:00 AM (30 mins)	Demo 3: Review of EVS <ul style="list-style-type: none"> • Reminder of core functionality • New features (since HEFS DR1/Workshop 1) 	James
8:30 AM (90 mins)	Exercise 3: Verification of MEFP hindcasts <ul style="list-style-type: none"> • Refresher on EVS GUI • Configure verification of precipitation for two basins (AB/CN) • For one basin, explore aggregate quality across sub-basins • Explore metrics and their interpretation 	James and Xiaoshen
10:00 AM (15 mins)	Break (return to Room 7349)	
10:15 AM (30 mins)	Seminar E: Review results from Exercise 3 <ul style="list-style-type: none"> • Review metrics/results from Exercise 3 • Review any problems encountered 	James
10:45 AM (90 mins)	Exercise 4: Verification of streamflow hindcasts <ul style="list-style-type: none"> • Configure streamflow verification for two locations (AB/CN) • Explore metrics and their interpretation • Evaluate contribution of EnsPost 	James and Xiaoshen
12:15 PM (60 mins)	Lunch (return to Room 7349)	

1:15 PM (30 mins)	Seminar F: Review results from Exercise 4 <ul style="list-style-type: none"> • Review metrics/results from Exercise 4 • Review any problems encountered 	James
1:45 PM (30 mins)	Seminar G: Update on ensemble products and discussion <ul style="list-style-type: none"> • Current state of products with examples • Feedback and discussion 	Ernie and Donna
2:15 PM (15 mins)	Break (return to Room 8246)	
2:30 PM (75 mins)	Seminar H: CONOPS feedback and discussion (available via GoTo Meeting to RFC Test Team) <ul style="list-style-type: none"> • Test RFCs provide update on HEFS use and opinions • RFC Feedback on draft CONOPS • Discussion of CONOPS issues • Review CONOPS schedule 	Mark and RFC Test Team
3:45 PM (45 mins)	Seminar I: HEFS project status and plans (available via GoTo Meeting to all RFCs)	Mark and all RFCs
4:30 PM (15 mins)	End of workshop feedback and discussion <ul style="list-style-type: none"> • Complete feedback form and discuss • Overall feedback on HEFS workshops in advance of rollout 	Mark and James