

5th HEFS workshop, 02/25/2014

Seminar A: Introduction to the 5th HEFS workshop

James Brown

james.brown@hydrosolved.com

Key people

- **Mark Fresch**
- **Lee Cajina**
- **Hank Herr**
- **Shaif Hussain**
- **James Brown (available throughout)**
- **Jim Ward**
- **Several others for individual topics**

Logistics

- 8:00am-4:30pm each day
- Please be on time and try to avoid distractions
- Mainly room 7349, but 8246 for some of the seminars
- Breaks: ~12-1pm (group lunch), 15 mins every ~2 hours
- Access to building
 - Mark: 301-713-0640 x121 (from 7am)
 - Hank: 301-713-0640 x166 (from 7am)
 - **To room 7349:** Haksu (cell): 240-413-1133
- Safety briefing from Mark coming up

Current/workshop HEFS build: 1.0.3

Next HEFS build: 1.1.1

- Mid-April: released to HEFS Test RFCs
- Includes fix to memory leak in hindcasting (also in 1.0.3)
- Improved hindcasting guide
- Several small fixes to MEFP and MEFPPE
- But no parameter re-estimation needed for MEFP/EnsPost
- Support of location sets for EnsPost
- Enhancement to EVS to allow .fi/.bin reading

Schedule of workshops

- **WS1:** initial ensemble training and introduction to components
- **WS2:** configuration of MEFP/EnsPost, first look at GraphGen
- **WS3:** advanced theory/issues, recoded MEFP, GraphGen
- **WS4:** science validation and CONOPS (remote)
- **WS5:** hindcasting & verification, MEFP diagnostics, CONOPS

Basic structure of workshops

1. Seminars: science and theory behind the software
2. Demos: how to use the software
3. Exercises: hands-on training with the software

Main goals of this workshop

1. Build on knowledge of hindcasting and how to configure it
2. Build on knowledge of verification to support use at RFCs
3. Build on knowledge of MEFP parameter diagnostics
4. Discuss the draft CONOPS

Assumptions

- Increasing understanding of HEFS & CHPS configurations
- Limited exposure to hindcasting and verification
- Continue on path to generic training (i.e. not RFC-specific)

- **Group 1:** Ned and Alaina
- **Group 2:** Eric and Bekki
- **Group 3:** Erick and Randy
- **Group 4:** Ashley and Dave
- **Group 5:** Brett

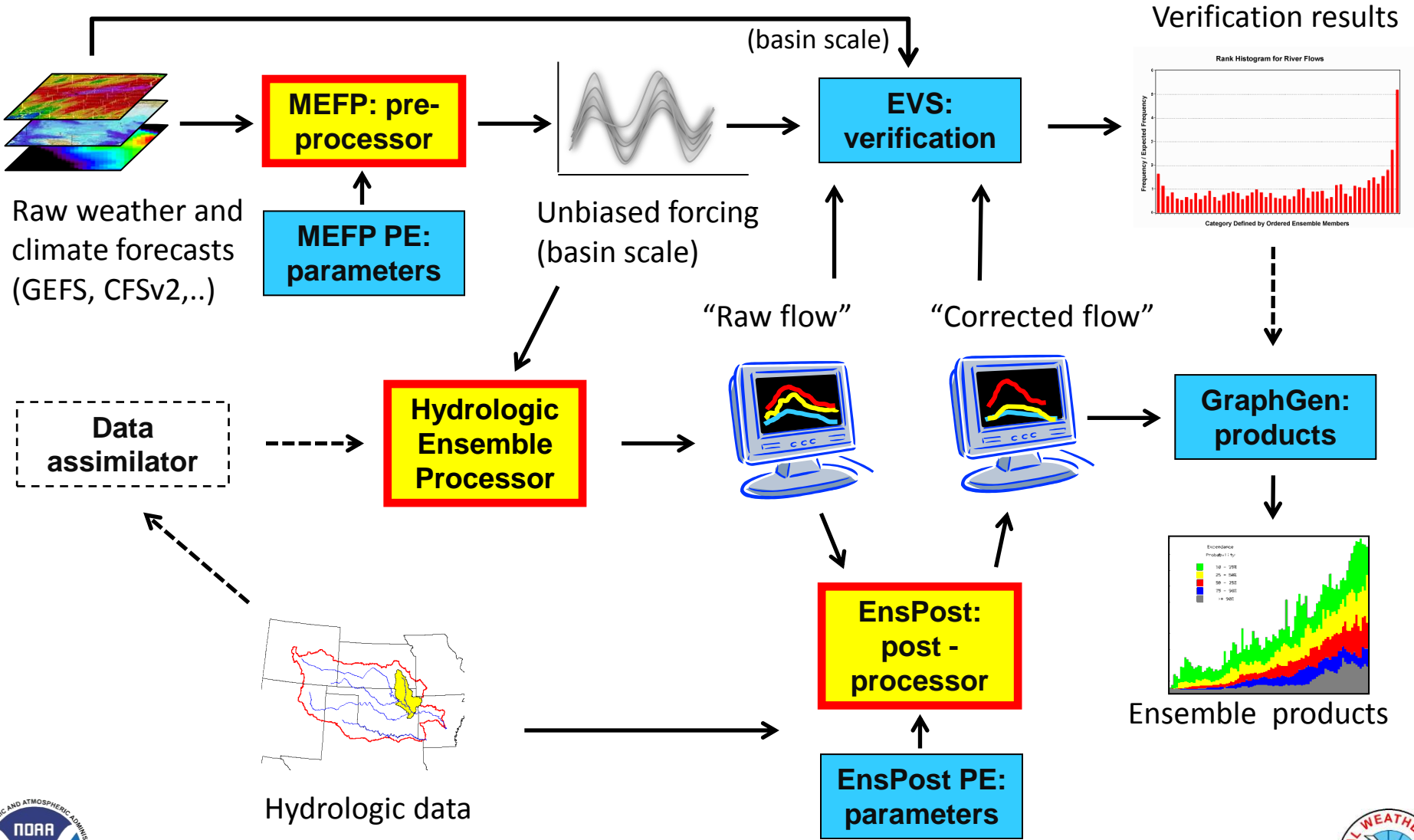
Binder

- Agenda
- Copies of seminar presentations
- Copies of exercises
- List of acronyms used throughout
- Feedback forms
 - Feedback (and discussion) at end of each day
 - Final feedback at end of workshop
 - **But please provide informal feedback at any time!**

- **See binder for workshop agenda**

HEFS components

= Forecast tool (real-time/hindcast)
 = Supporting tool
 - - - - = Future capability



???