

8th NAEFS Workshop Program/Agenda
8e Atelier SPENA/Programma Séptimo taller NAEFS
 June 15-17, 2016
 NCWCP, College Park, MD

	Day1 - Joint session with 8th NCEP Ensemble Users Workshop	
	Joint Session 1 – International Ensemble	Chair : Zoltan Toth
10.20	NAEFS review	Yuejian Zhu (NWS), Andre Methot and Peter Houtekamer (MSC)
10.40	NAEFS application at CMC	Stephane Gagnon (CMC)
11.00	Ensemble development at CWB	River Chen (CWB)
11.20	Preliminary results of GEFS at IITM	Medha/Deshpande (IITM)
11.40	CMA's global ensemble	Jing Chen (CMA)
12.00	Lunch	
	Joint Session 2 – Ensemble Application II	Chair : Jun Du
13.00	Prediction of extratropical and tropical cyclones by TIGGE ensemble Prediction Systems	Huiling Yuan (NJU – China)
13.15	The application of GFS ensemble at Taiwan CWB	Jong-Gong Chen (CWB)
13.30	Ensemble forecast application at Met office	Piers Buchanan (UKMet)
13.45	Recent progress on ensemble application at CMA/NMC	Jian Tang (CMA)
14.00	Open Discussion on Improving International Collaboration	
14.45	Break	
	Joint Session 3 – Ensemble Application III	Chair : Isidora Jankov
15.00	GEFS reforecast and its application	Hong Guan (EMC)
15.15	NAEFS/NUOPC application at NAVY	Mike Sestak/Kevin Yeh (FNMOC)
15.30	Delivering decision superiority to the Warfighter	Evan Kuchera (AFWA)
15.45	NMME/IMME for seasonal forecast	Malaquias Pena (EMC)
16.00	Open Discussion on Improving the Research-to-operations-to-Research loop	
17.00	Day 1 closing	

Day 2		
9.00	Welcome remarks	NCEP/EMC directors
9.05	Introduction Welcome MSM (Héctor) to join workshop remotely	S. Gagnon and Y. Zhu
9.15	Current and future plan for global ensemble development <ol style="list-style-type: none"> 1. CMC (Normand Gagnon and Peter Houtekamer - 15-20min) 2. FNMOC (Kevin Yeh – 15min)/AFWA (Evan Kuchera – 15min) 3. EMC (Xiaqiong Zhou – 20min) 	Chair: Stephane Gagnon
10.25	Break	
10.40	Verification presentation <ol style="list-style-type: none"> 1. CMC (Normand Gagnon - 15min) 2. FNMOC (Kevin Yeh – 15min)/AFWA (Evan Kuchera – 5min) 3. EMC (Yan Luo – 15min), CPC (Mike Charles – 15min) 	Chair: Dan Collins
11.40	Products beyond week 2 (discussion on the expansion of predictions) <ol style="list-style-type: none"> 1. CMC (Bertrand Denis 10-15min) 2. CPC (Dan Collin – 20min) and EMC (Wei Li – 10min) 	Chair: Hong Guan
12.20	Lunch	
13.20	Current Regional Ensemble Systems and future plans <ol style="list-style-type: none"> 1. CMC (Amin Erfani and Martin Charron - 20min) 2. EMC (Jun Du – 20min) 3. AFWA (Evan Kuchera – 15min) 	Chair: Norman Gagnon
14.15	Group Photo	
14.30	Break	
14.45	Regional Ensemble Discussion <ul style="list-style-type: none"> • Next steps for having regional ensemble data available for exchange • Presentations on recent verification • Path forward for having common products derived from Can-US regEns Systems 	Co-Chair: Amin Erfani and Jun Du
16.00	Wave Ensemble <ol style="list-style-type: none"> 1. Status and future data exchange (Henrique Alve) 2. CMC – (Stephane Gagnon – 5-10min) 3. Discussion (FNMOC staffs will attend remotely) 	Chair: Yuejian Zhu
17.00	Day 2 closing remarks	
18.00	Group dinner	

Day3		
9.00	Introduction	S. Gagnon and Y. Zhu
9.05	Post-processing: Bias correction and calibration <ol style="list-style-type: none"> 1. ESRL/GSD – BMP (Zoltan Toth – 20min) 2. CMC – Ensemble reforecast and bias correction – (Stéphane Beaugard – 20min) 3. EMC – NAEFS product upgrade and plan – (Bo Cui/Yan Luo – 20min) 	Chair: Dingchen Hou
10.05	Potential use of reforecast data <ol style="list-style-type: none"> 1. CPC – Qing Zhang (10-15min) 2. EMC – Hong Guan (10-15min) 	Chair: Bo Cui
10.35	Break	
10.50	Verification of Aviation and other products <ol style="list-style-type: none"> 1. CMC - Aviation products for NAEFS-LAM exchange (Ronald Frenette 15-20min) 2. EMC - Aviation application for SREF (Binbin Zhou - 15-20min) 3. EMC - RMOP products (Bo Cui – 10min) 4. EMC - Verification of ANF and EFI (Hong Guan – 20min) 	Chair: Stéphane Beaugard
12.00	Lunch	
13.30	Working group ----- Parallel session ----- 1). Future Data Exchange Discussion <ul style="list-style-type: none"> • Bandwidth limitation and quality of derived products (contingency purposes or products with plus value?) • Data exchange: 0.5 degrees and 3 hrly data • Data exchange of week 3 & 4, reforecast data • Data exchange of regional ensemble data <ul style="list-style-type: none"> ○ REPS/SREF GRIB2 encoding, issues and potential solutions – Benoit Archambault (10min) 2). Future Products Discussion <ul style="list-style-type: none"> • Regional • Global • Weather • Week-2 • Sub-seasonal • Aviation • Waves 	Co-Chair for session 1): Dick Wobus and Benoit Archambault Co-chair for session 2): Stephane Gagnon and Dingchen Hou
15.00	Break	
15.15	NAEFS open discussion : <ol style="list-style-type: none"> 1) Past, present and future of NAEFS 2) Review of previous plans 	Co-Chair: S. Gagnon and Y. Zhu
16.15	Closing remarks	