



**First WMO RCC-Washington Training Workshop
Washington DC, USA, 30 September 2019 – 4 October 2019**

Local Host: NOAA’s Climate Prediction Center (CPC), WMO RCC-Washington

Venue: NOAA Center for Weather and Climate Prediction
Climate Prediction Center/National Centers for Environmental Prediction
5830 University Research Court
College Park, Maryland 20740

Dates: 30 September 2019 – 4 October 2019

Agenda

Day 1: Monday 30 September 2019		
08:30 – 08:55	REGISTRATION	
OPENING		
09:00 – 09:45	<ul style="list-style-type: none"> Welcoming Remarks, CPC Statements: NCEP, WMO, USAID Inaugural Address: NWS, USA Permanent Representative with WMO 	
09:45 – 10:00	GROUP PICTURE & HEALTH BREAK	
10:00 – 10:10	Tour de table	
10:10 – 10:15	<ul style="list-style-type: none"> Logistical arrangements Objectives of training workshop and expected outcomes 	<i>Wassila M. Thiaw, CPC/NOAA</i>
Session I – The WMO Regional Climate Centers and WMO Initiatives		
10:15 – 11:00	WMO infrastructure for long-range forecasts	<i>Arun Kumar, CPC/NOAA</i>
11:00 – 11:45	WMO Climate Services Information Toolkit	<i>Marina Timofeyeva, NWS/CSD</i>
11:45 – 12:00	Introduction to the WMO RCC-Washington	<i>Wassila M. Thiaw, CPC/NOAA</i>

12:00 – 12:15	Introduction to the WMO RCC-Caribbean	<i>Cédric Van Meerbeeck, CIMH</i>
12:15 – 13:15	LUNCH	
Session II – Interannual and Intraseasonal Modes of Variability		
13:15 – 14:15	The El Niño Southern Oscillation	<i>Michelle L'Heureux, CPC/NOAA</i>
14:15 – 15:15	The Madden Julian Oscillation and other equatorial waves	<i>Jon Gottschalck, CPC/NOAA</i>
15:15 – 15:30	HEALTH BREAK	
Session P1 – Computer Software Requirements		
15:30 – 17:00	Review of installation of software requirements for S2S	
17:00	END OF DAY 1	
Day 2: Tuesday 1 October 2019		
Session III – Tools for Sub-Seasonal to Seasonal Forecasting and Forecasts Operations		
09:00 – 09:45	Tools for sub-seasonal and seasonal forecasts, including model post-processing, calibration and consolidation	<i>Dan Collins, CPC/NOAA</i>
09:45 – 10:30	NOAA's procedures for operational sub-seasonal and seasonal forecasting	<i>Daniel Harnos, CPC/NOAA</i>
10:30 – 10:45	HEALTH BREAK	
10:45 – 11:30	Sub-seasonal and seasonal forecasting at Environment and Climate Change Canada	<i>Marko Markovic, ECCC</i>
11:30 – 12:15	Sub-seasonal and seasonal forecasting at CIMH	<i>Cédric Van Meerbeeck, CIMH</i>
12:15 – 13:15	LUNCH	
13:15 – 14:00	Regional hazards outlooks	<i>Miliaritiana Robjhon, CPC/NOAA</i>
Session P2 – Linux Tutorial and Shell Scripting		
14:00 – 15:15	Introduction to Linux and Shell scripting	<i>Pierre Kamsu-Tamo, CPC/NOAA</i>
15:15 – 15:30	HEALTH BREAK	
15:30 – 17:00	Practice Linux and Shell Scripting	
17:00	END OF DAY 2	

Day 3: Wednesday 2 October 2019		
Session P3 – GrADS Tutorial		
09:00 – 10:30	Introduction to GrADS	<i>Sarah Diouf, CPC/NOAA</i>
10:30 – 10:45	HEALTH BREAK	
10:45 – 12:00	Practice GrADS	
12:00 – 13:00	LUNCH	
Session P4 – Accessing and Post-Processing NCEP Data for Week-2 Forecasts		
13:00 – 15:00	Introduction to the use of NCEP GFS and CFSv2 for sub-seasonal forecasting	<i>Endalkachew Bekele, CPC/NOAA</i>
15:00 – 15:15	HEALTH BREAK	
15:15 – 17:00	Practice - Generating tools for week-2 forecasts	
17:00	END OF DAY 3	
Day 4: Thursday 3 October 2019		
Session P5 – Real-Time Week-2 Forecasting		
09:00 – 10:30	Practice – Generating real-time week-2 forecasts	
10:30 – 10:45	HEALTH BREAK	
10:45 – 12:00	Practice – Generating real-time week-2 forecasts	
12:00 – 13:00	LUNCH	
Session P6 – Break-out Groups for Real-Time Week-2 Forecasting		
13:00 – 15:00	Group Practice – Generating real-time week-2 forecasts	
15:00 – 15:15	HEALTH BREAK	
15:15 – 17:00	Group Practice – Generating real-time week-2 forecasts	
17:00	END OF DAY 4	



Day 5: Friday 4 October 2019	
Session IV – Group Presentations	
09:00 – 10:30	Group presentations
10:30 – 10:45	HEALTH BREAK
Session V – Discussions and Closing	
10:45 – 11:30	Discussions and recommendations
11:30 – 12:00	Closing remarks
12:00	END OF DAY 5 AND WORKSHOP