First MedCOF Training Workshop on Seasonal Forecasting

Madrid, 26-30 October 2015

Venue:
Colegio Mayor Aquinas, Madrid, Spain

Hosted by
Agencia Estatal de Meteorología (AEMET)
Madrid, Spain

Tentative programme (as 19/10/2015)

Day 1

Mon 26 Oct	**Registration and opening**	
0830 – 0900	Registration of participants	
0900 – 0915	Opening	
0915 – 0930	Self-introductions of participants and available resource persons	
0930 – 1000	**Coffee break**	
	Session: Monitoring of the climate system **Resource persons: P. Bissolli, C. Photiadou, C. Viel, S. Ben Rached, B. Rodríguez-Fonseca, E. Rodríguez-Camino**	
1000 – 1100	B. Rodríguez-Fonseca	Basic aspects of climate and climate variability over the Mediterranean region
1100 – 1200	C. Photiadou	Overview of available data and tools for monitoring of the climate system
1200 – 1300	E. Rodríguez-Camino	Monitoring in MedCOF: observed temperature and precipitation anomalies over the region
1300 – 1400	**Lunch break**	
1400 – 1500	P. Bissolli, S. Ben Rached, C. Viel	Monitoring in MedCOF. Step 2 report. Discussion session
	Session: Visualization **Resource persons: Grahame Niles, Courney Forde, Soumaya Ben Rached, Elena Flórez**	
1500 – 1600	G. Niles/ C. Forde	An overview of GIS, the associated data types (Vectors and Rasters) and its application in climate analysis
1600 – 1630	**Coffee break**	
1630 – 1730	G. Niles/ C. Forde	LAB instructions (I) - Introduction to QGIS
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Day 2

Tue 27 Oct	Session: Liaising with research to improve RCOFs. Experiences from other RCOFs Resource persons: Andre Kamga, Rodney Martínez	
0900– 1000	R. Martínez	The implementation of RCOFs in South America: lessons learnt and remaining challenges
1000 – 1100	A. Kamga	RCOFs in RAI
1100 – 1130	**Coffee break**	
	Session: Visualization (cont.) **Resource persons: Grahame Niles, Courney Forde, S. Ben Rached, , Elena Flórez**	
1130 – 1230	All resource persons for this session	LAB instructions (II) – QGIS handling procedures for vector, raster and ASCII data
1230 – 1300	All resource persons for this session	LAB instructions (II) – QGIS handling procedures for vector, raster and ASCII data
1300 – 1400	**Ice breaker**	
1400 – 1530	All resource persons for this session	LAB instructions (II) – QGIS handling procedures for vector, raster and ASCII data
1530 – 1630	All resource persons for this session	LAB instructions (III) – A lesson in map creation with QGIS, using temperature forecast data
1630 – 1700	**Coffee break**	
1700 – 1800	All resource persons for this session	LAB instructions (III) – A lesson in map creation with QGIS, using temperature forecast data

Day 3

Wed 28 Oct	Session: Verification of consensus forecasts and models Resource persons: Simon Mason	
0900 – 1000	S. Mason	Introduction
1000 – 1100	S. Mason	CCl WMO guidelines
1100 – 1130	**Coffee break**	
1130 – 1230	S. Mason	Available software for verification
1230 – 1330	S. Mason	WMO LC-SVSLRF web portal for models verification
1330 – 1430	**Lunch break**	
1430 – 1530	S. Mason	Objective verification of consensus forecasts. Hands-on session
1530 – 1630	S. Mason	Objective verification of consensus forecasts. Hands-on session
1630 – 1700	**Coffee break**	
1700 – 1800	S. Mason	Verification in MedCOF. Discussion session

Day 4

Thu 29 Oct	**Session: Predictability at seasonal timescale Resource persons: F.J. Doblas-Reyes, J. García-Serrano, C. Prodhomme, S. Materia, J. Eden, S. Mason**	
0900 – 1000	F.J. Doblas-Reyes	Introduction and fundamentals of seasonal prediction
1000 – 1100	J. García-Serrano	Drivers/empirical predictors of mid-latitude seasonal forecasts
1100 – 1130	**Coffee break**	
1130 – 1230	J. Eden	Introduction to empirical models including relevant statistical concepts
1230 – 1330	S. Mason	Data requirements for seasonal to interannual climate prediction: Introduction to IRI data library (hands-on session)
1330 – 1430	**Lunch break**	
1430 – 1530	S. Materia	Seasonal predictability in the MedCOF region and windows of opportunity
1530 – 1630	J. Eden	The Climate Explorer as a tool for seasonal prediction (hands-on session)
1630 – 1700	**Coffee break**	
1700 – 1800	C. Prodhomme	Seasonal prediction of seasonal extremes

Day 5

Fri 30 Oct	**Session: Interpretation of seasonal model outputs. How to organize/reach consensuated forecast? Resource persons: Jean-Pierre Ceron, Christian Viel, Fatima Driouech**	
0900 – 1000	C. Viel	Overview of available data and tools for seasonal forecast production.
1000 – 1100	C. Viel	WMO LC-LRFMME web portal for GPC data products. Hands-on session.
1100 – 1130	**Coffee break**	
1130 – 1230	C. Viel/ F.Driouech	Introduction to RCC LRF Bulletins
1230 – 1330	**Lunch break**	
1330 – 1430	J.-P. Ceron	Downscaling.
1430 – 1530	J.-P. Ceron/S.Mason	Climate information: What to do when predictability is poor?
1530 – 1630	J.-P. Ceron	Panel Discussion session: panelists (all resource persons – 5 min each, followed by the discussion) Consensual seasonal forecast in MedCOF.
1630 – 1640	Closure	
1640 – 1700	**Coffee break**	