

**Introduction : what is the goal of
consensus seasonal forecast?**

Why MedCOF?

- Recommendations given by RA VI Task Team on RCOF and supported by the RA VI Working Group on Climate and Hydrology targeting South Western Europe / Mediterranean basin as suitable for a RCOF implementation.
- Recommendation by the Scoping Workshop on Seasonal climate Prediction (Algeria, January 2012) of extending the existing RA I PRESANORD to the whole Mediterranean area involving thus RA I and RA VI.
- The 65th session of WMO Executive Council (May 2013) stressed the vital importance of collaboration and joint contribution of RAs in developing capacities for the Climate Services Information System, and welcome the initiative of RA VI and RA I of jointly launching an RCOF for the Mediterranean Region.

MedCOF Scoping Meeting

(Madrid, 12-14 June 2013)

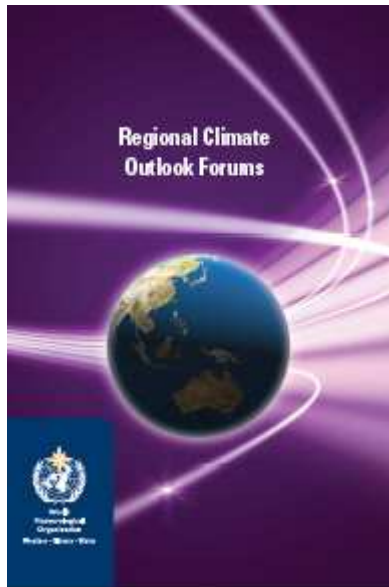
- Strong agreement in creating a single MedCOF for the whole Mediterranean region.
- Existing RCOFs –PRESANORD and SEECOF- will continue working and coordinated through the MedCOF umbrella.
- Possibility of creating a South Western Europe RCOF
- Network of Mediterranean RCOFs focusing in the most operational aspects of the RCOF responsibilities
- Focus MedCOF sessions initially on seasonal timescale
- Winter and summer emerged as the seasons for which the information is crucial
- Common climate/hydrological approach
- Highlight the synergetic and cooperation aspects of MedCOF.
- Nomination of an Interim Management Team (IMT) tasked with
 - preparation of the first MedCOF meeting,
 - preparation of a proposal of Terms of Reference for IMT and
 - preparation of any needed relevant document
- Seek sources of funding
- First MedCOF meeting in November with the option of holding it together the SEECOF meeting in Belgrad

First, large scales!

- From a scientific point of view, it seems more reasonable to look first at large-scales and then, regional ones.
- First, produce a MedCOF consensus seasonal forecast for the whole Mediterranean basin.
- Then SEECOF and PRESANORD refine the consensus forecast for their respective regions.
- Avoid overlaps and repetitions!

Why consensus forecast?

- Avoid contradictory messages
- Estimulate transfer of knowledge
- Develop and implement of GFCS at regional/national level



What is the main goal of the seasonal consensus forecast?

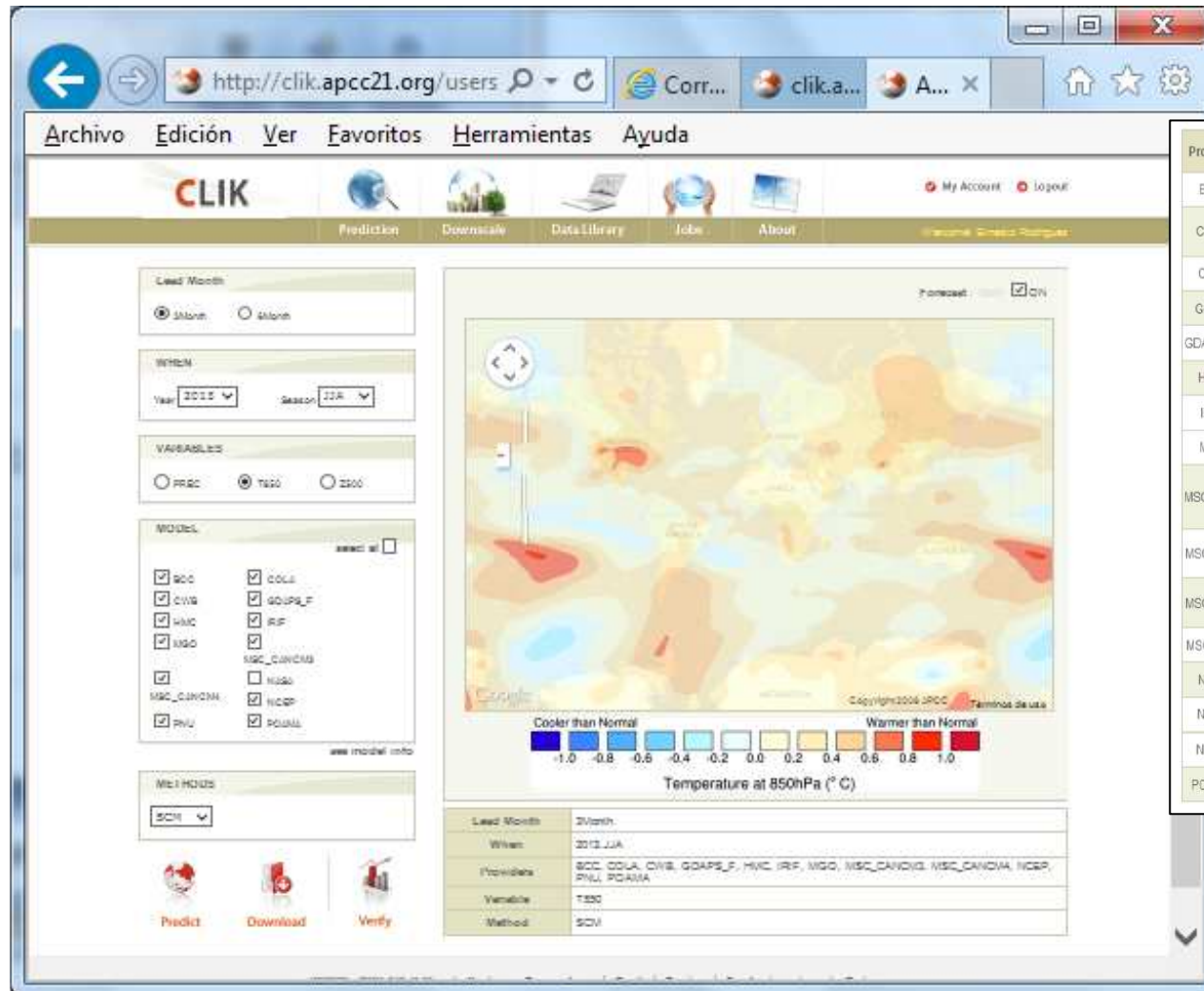
- To ensure the proper flow of information



- To analyse/diagnose the LS state of the system and its predictability
- To discuss and evaluate of pieces of available information and generate a probabilistic forecast

APCC

(<http://www.apcc21.org>)



Provider	Economy	Variables	Model Designation	SST Specification (Hindcast/Forecast)	Ensemble
BCC	China	PREC T850 Z500	NCC CGCM T63L16	Predicted SST/ Predicted SST	8
COLA	U.S.A	T2M PREC SLP T850 U850 V850 U200 V200 Z500 DLR	COLA AGCM v2.2.5 T63L16	OISSTv2/ IRI SST Forecast	10
CWB	Chinese Taipei	T2M PREC SLP T850 U850 V850 U200 V200 Z500	CWB T42L18	OPG SST from CWB/ OPG SST from CWB	10
GCPS	Republic of Korea	T2M PREC SLP T850 U850 V850 U200 V200 Z500	GCPS T63T21	KMA/SNU SST Forecast/ KMA/SNU SST Forecast	4
GDAPS_F	Republic of Korea	T2M PREC SLP T850 U850 V850 U200 V200 Z500	GDAPS T106L21	KMA/SNU SST Forecast/ KMA/SNU SST Forecast	20
HMC	Russia	T2M PREC SLP T850 Z500	SL-AV 1.125 x 1.405, L28	Persistent SST/ Persistent SST	10
IRIF	U.S.A	T2M SST PREC SLP T850 U850 V850 U200 V200 Z500 DLR	ECHAM4.5 T42L19	Observed SST/ Predicted SST	24
MGO	Russia	T2M SST PREC SLP T850 U850 V850 Z500 OLR	MGOA2 T42L14	Observed SST/ Persistent SST	10
MSC_GEM	Canada	PREC T850 Z500 T2M SLP U850 V850 U200 V200	RPN GEMCLIM v3.2.1 2.0 x 2.0, L50	Persistent ERA40 SST/ Persistent CMC SST	10
MSC_GM2	Canada	PREC T850 Z500 T2M SLP U850 V850 U200 V200	CCma AGCM2 T32 L10	Persistent ERA40 SST/ Persistent CMC SST	10
MSC_GM3	Canada	PREC T850 Z500 T2M SLP U850 V850 U200 V200	CCma AGCM2 T63 L32	Persistent ERA40 SST/ Persistent CMC SST	10
MSC_SEF	Canada	PREC T850 Z500 T2M SLP U850 V850 U200 V200	RPN SEF T95, L27	Persistent ERA40 SST/ Persistent CMC SST	10
NASA	U.S.A.	T2M SST PREC SLP T850 U850 V850 U200 V200 Z500 OLR	NASA-GSFC 2.5 x 2.0, L34	Predicted SST/ Predicted SST	8
NCEP	U.S.A.	T2M SST PREC SLP T850 U850 V850 U200 V200 Z500 OLR	NCEP DFS T62L54	Predicted SST/ Predicted SST	15
NIMR	Republic of Korea	PREC SLP T850 U850 V850 U200 V200 Z500	METRI AGCM 5.0 x 4.0, L17	Persistent OISST/ Persistent OISST	10
POAMA	Australia	T2M SST PREC SLP T850 U850 V850 U200 V200 Z500 OLR	POAMA 1.5 T47L17	Predicted SST/ Predicted SST	15

WMO LC LRFMME

(<https://www.wmolc.org>)

The screenshot shows the website for the WMO Lead Centre for Long-Range Forecast Multi-Model Ensemble. The browser address bar displays <https://www.wmolc.org/#>. The page header includes the WMO logo and the text "WMO Lead Centre for Long-Range Forecast Multi-Model Ensemble". Below the header is a navigation menu with links for "Home", "About us", "News", "Data & Plot", and "Related Sites". A secondary menu includes "Introduction", "Deterministic MME", "Probabilistic MME", and "References".

The main content area is titled "Latest Forecast data" and features a world map with several data points. Each point is labeled with a city name, a model name, and a forecast period. The data points are:

- ECMWF 2013 DJF
- Moscow 2013 DJF
- Exeter 2013 NDJ
- Toulouse 2013 DJF
- Pretoria 2013 DJF
- Beijing 2013 DJF
- Seoul 2013 DJF
- Tokyo 2013 NDJ
- Melbourne 2013 DJF
- Montreal 2013 DJF
- Washington 2013 DJF
- CPTEC 2013 DJF

Below the map are two sections: "Latest PMME plot" and "Latest Individual Forecast plot", each with a "View all" link. The "Notice / News" section contains the following items:

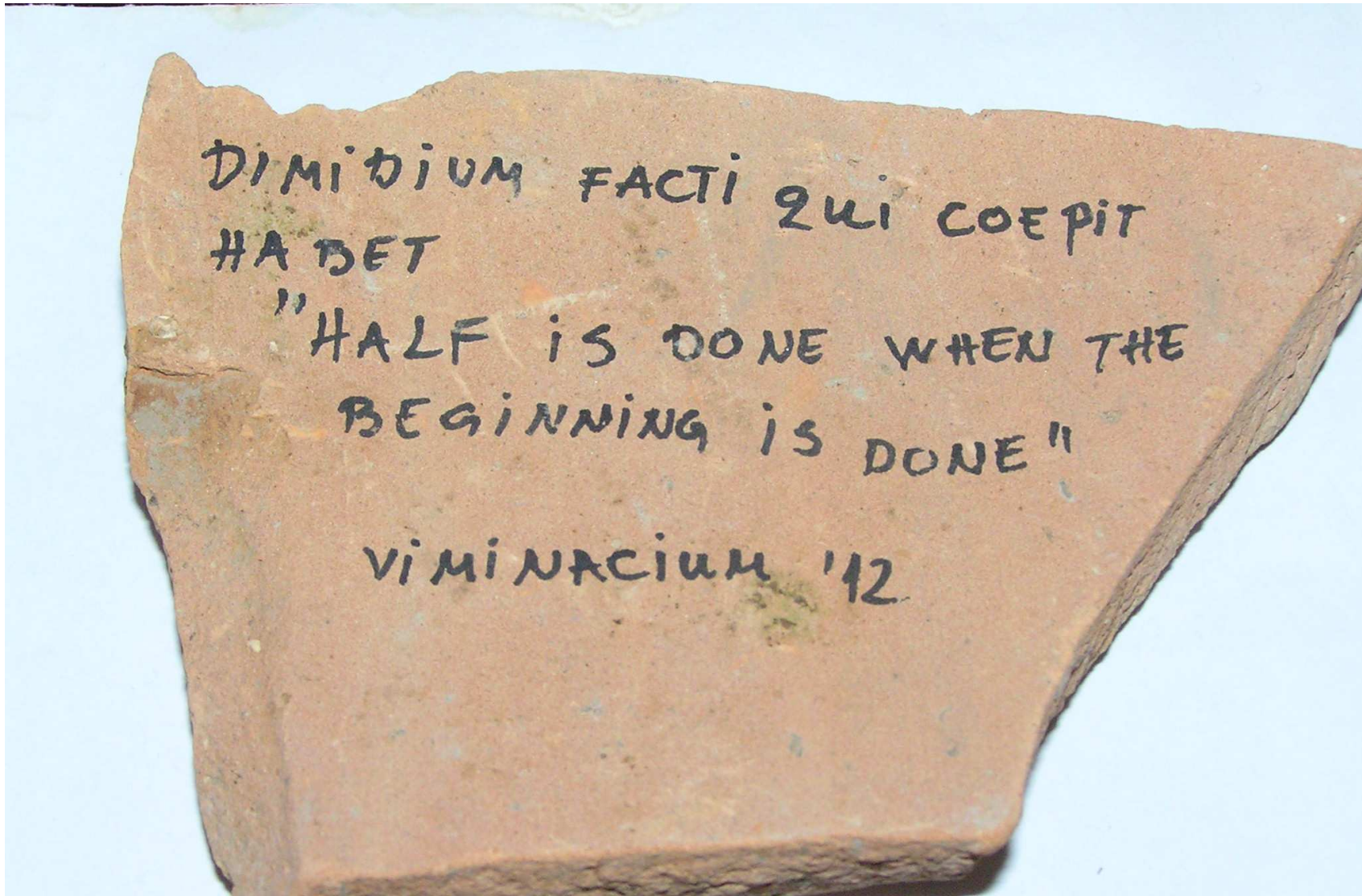
- Check! System Requirements**
- All GPCs(12) for NDJ 2013 are uploaded **new** 2013.10.25
- All GPCs(12) for OND 2013 are uploaded **new** 2013.10.07
- All GPCs(12) for SON 2013 are uploaded 2013.10.07
- All GPCs(12) for ASO 2013 are unloade 2013.10.07

The "WMO Global Producing Centres" section displays logos for various centers: Canada, Montreal, BCC, Beijing, ECMWF, International Centre of Russia, Moscow, Seoul, Tokyo, Toulouse, and Washington.

Careful with

- Models → some are fully couple atm/ocean (others 2-tier models)
- Caution with ensemble averages → better look models individually
- Caution with models not providing info on verification scores
- Caution with non robust/significant empirical relationships
- Caution with schedule. RCOFs should accomodate to the availability of information from GPCs, RCCs, etc.
- RCOFs success depends critically on the good functioning and support of the respective RCCs

A good omen!



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HABET

"HALF IS DONE WHEN THE
BEGINNING IS DONE"

VIMINACIUM '12