

After beeing developed on Météo-France computers, the new version of ALADIN-Tunisia with SURFEX has been run successfully in Tunis on a HP research machine.



Parameter	Value
Iodel Version	CY38t1_bf.03
esolution	7.5 km
evels	70
rea	130 x 169
oundaries	ARPEGE
ime step	450 s
tarting times	00 HTC

Figure 1: Total 24h accumulative rain for September 19th 2013 ALADIN 7.5km



The AROME-Tunisia related activity made a new step by developping the 1.3 km version which is actually installed on Météo-France computers.

# version.

Table 2 : AROME-Tunisia Model Setup		
Parameter	Value	
Iodel Version	CY38t1op2	
Resolution	1.3 km	
Levels	90	
Area	1000 x 1400	
Boundaries	ARPEGE	
Time step	45 s	
Starting times	00 HTC	

### HARMONIE

A new version of HARMONIE model over Tunisian domain has been developed. The main characteristics of this version are summarized in the following table:

First successful experiments of the new version are being run in Tunisia on a HP research machine.

Tuesday 04 March 2014 00 UTC Forecast t+6 VT: Tuesday 04 March 2014 06UTC 2 metre temperature	Table 3 : HARMONI
Rome	Parameter
40'N	Model Version
	Resolution
Algiers	Levels
Valletta	Area
8	Boundaries
Tripoli	Physics
	Starting times
30'N 8 12	

Figure 3: 2 metre temperature over Tunisia domain HARMONIE 2.5km

## NWP Activities in TUNISIA

## **National Institute of Meteorology Department of Research and Development**

This version was considered to prepare the necessary Benchmark to dimension the future HPC at INM. The following table indicates the main caracteristics of the new AROME-Tunisie 1,3km





Figure 2: Total 24h accumulative rain for Mai 19<sup>th</sup> 2015 AROME 1.3km

IE-Tunisia Model Setup

_	
	Value
	CY38t1_bf.03
	2.5 km
	70
	600 x 720
	ALADIN
	AROME
	00 UTC











