Models from MeteoGalicia used in the SEPRISE demonstration

Institution	MeteoGalicia
Model Name	WaveWatch III
Characteristics	Third generation spectral wave model. Wave generation and propagation. Finite difference grid.
Area Covered	Sea Area: Three nested grids: 1st North Atlantic
Variables Predicted	Significant wave height, peak and mean period, peak and mean direction, wave length, directional spread.
Operational / Pre-operational	Operational
Source of Atmospheric Forcing	NCEP GFS model 10-m over sea surface wind forcing.
Length of Forecast	4 days.
How many forecast cycles per day, i.e. how often is the model run?	Twice per day in 00Z and 12Z cycle

Additional Information		
Numerical basis of the model	Model Area	Lon -89.5 Lat 4.5 Lon 15.5 Lat 74.5
	Number of grid points in X-Y axis	191 121
	Number of vertical levels	
Resolution (° or km)	0.5º	
Computer used	CESGA (Centro de supercomputacion de Galicia) facilities (HPC320)	
Validation method	Statistical analysis vs buoy data from Puertos del Estado	

Use of model		Research	X	Public
	X	Governmental		Commercial
		Private		

Institution	MeteoGalicia. Xunta de Galicia
Model Name	MOHID
Characteristics	3D baroclinic model. Finite volume. Arakawa-C, suitable for the modelling of baroclinic processes on coastal areas.
Area Covered	Sea Area: Galician Coast. North Western Coast of the Iberia Peninsula.
Variables Predicted	Sea Level, Current field.
Operational / Pre-operational	Pre-operational
Source of Atmospheric Forcing	Operational Forecast from MM5 and ARPS model run daily at MeteoGalicia
Length of Forecast	Three days
How many forecast cycles per day, i.e. how often is the model run?	One cycle per day. The model is run daily.

Additional Information		
Numerical basis of the model	Model Area	Lon -12E Lat 40 N Lon -6E Lat 45 N
	Number of grid points in X-Y axis	300X250
	Number of vertical levels	17
Resolution (° or km)	0.02º	
Computer used	PC-AMD Athlon 64 bit a 2.2 GHz. 2 Gb de Ram.	
Validation method	Statistical analysis vs oceanographic buoys data from Puertos del Estado.	

Use of model		Research	x	Public
	x	Governmental		Commercial
		Private		