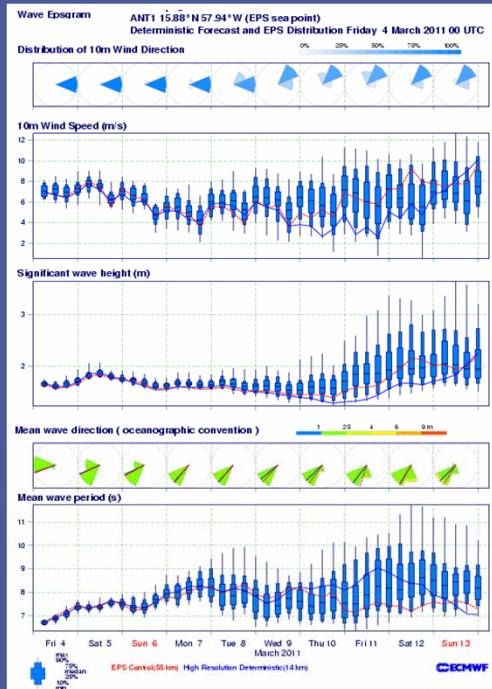
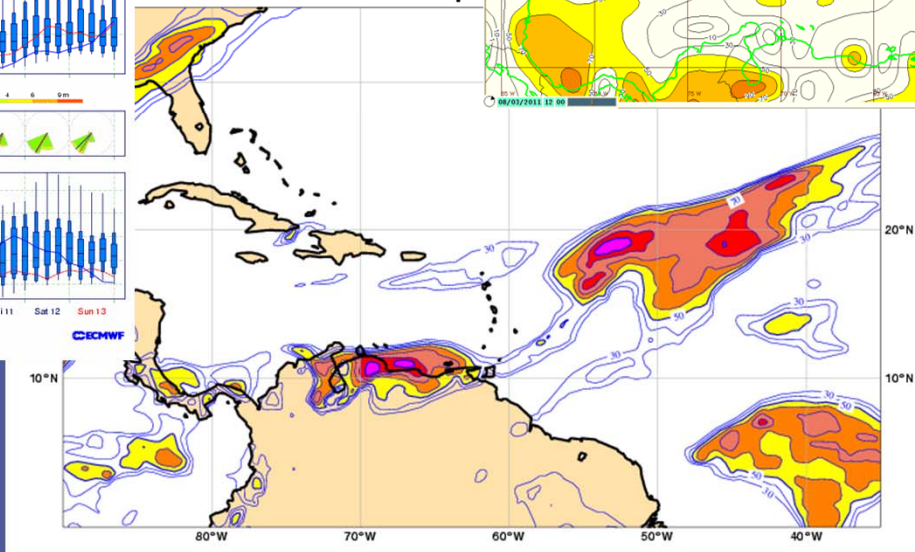
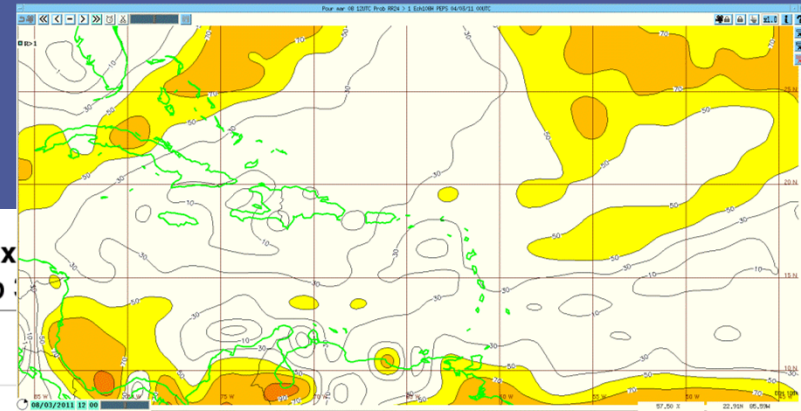


# Numerical Product from ECMWF (Ensemble system and others ...)

Jean-Noel DEGRACE (MétéoFrance Antilles-Guyane)



Extrem Forecast Index  
from 02/01/2011 0h step



# Executive Summary

- ▶ **EPS products on the « Synergie » workstation**
  - ▶ **Probabilities charts**
  
- ▶ **EPS products on internal webpage**
  - ▶ **Complementary probability charts**
  - ▶ **« Spaghettis »**
  - ▶ **Meteo-grammes and Vag-grammes**
  
- ▶ **Sharing process**

# EPS products on the forecaster workstation

Prevision d'ensemble

Probabilites & Moyennes

Prob RR	T Moy	Z Moy
Pmer Moy	Prob H1/3 Vagues	Prob Periode Vagues

Seuil : 1 mm/jour 5 mm/jour 10 mm/jour 20 mm/jour

Niveau : SOL

Seuil : 2 m 2.5 m 3 m 4 m 6 m 8 m 9 m

Niveau : MER

Echeance : 12 H 24 H 36 H 48 H 60 H 72 H 84 H 96 H 108 H 120 H 132 H 144 H 156 H 168 H 180 H 192 H

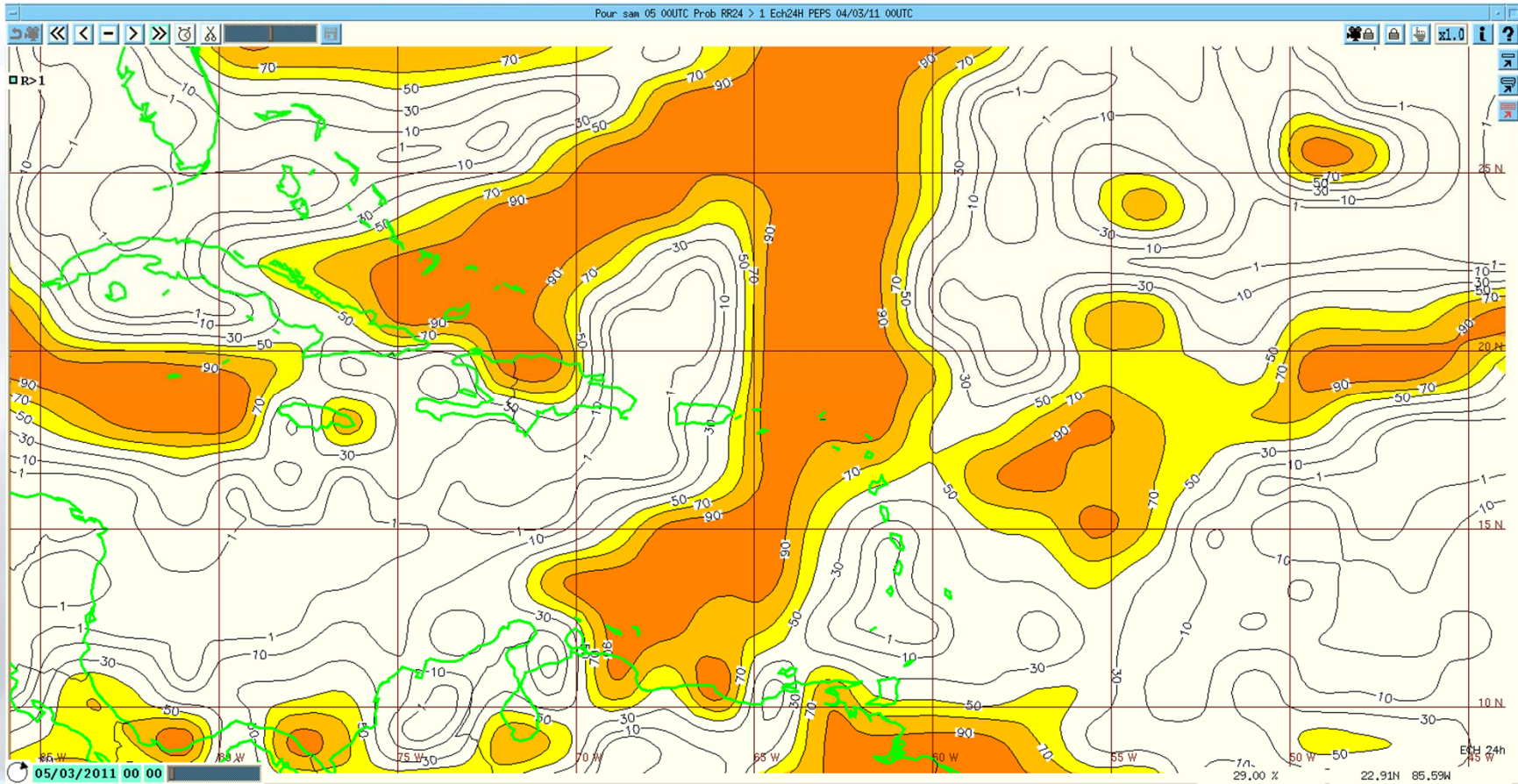
Reseau 04/03/2011 00:00

Antilles1Km  
ANTILLES  
Antilles\_Guyane  
Vagues\_Atlantique

OK Quitter Reset

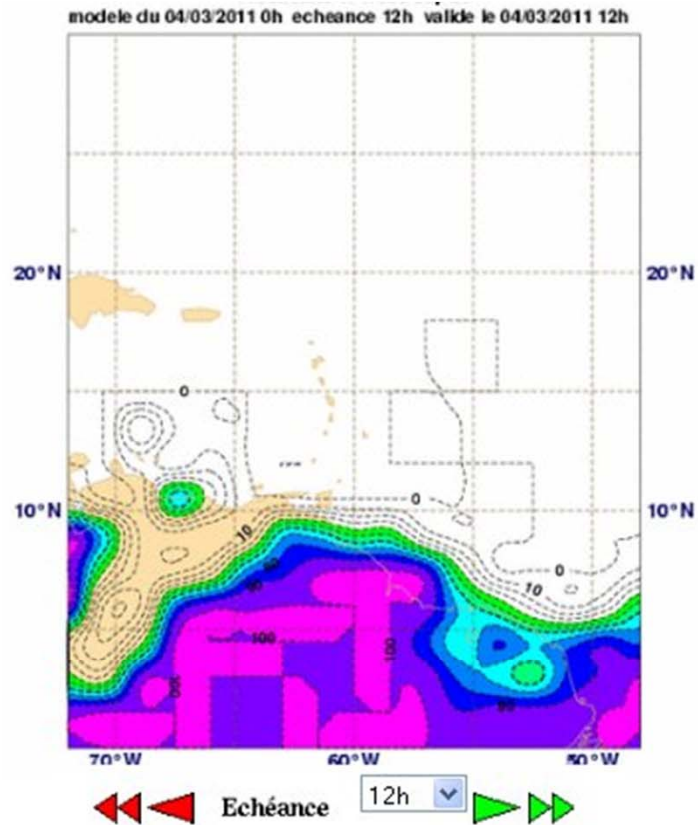


# EPS products on the forecaster workstation

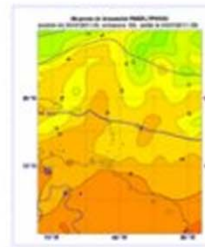


Example : probability of 24 hours rain accumulation to be above 1mm (from NWP point of view ...)

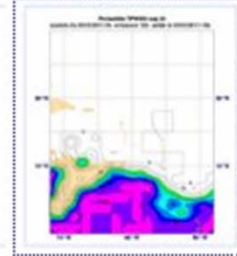
# EPS products on internal WEB page



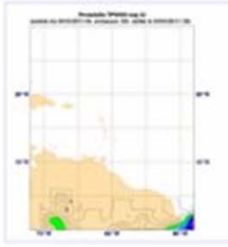
Pmer/TPW850



proba TPW850>20



proba TPW850>22



← TPW 850

proba CAPE>1000

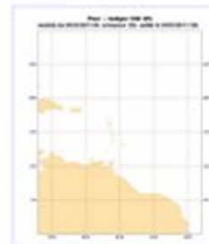


proba CAPE>2000

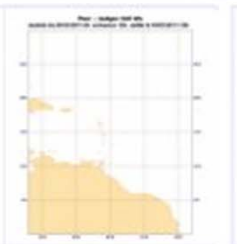


← CAPE

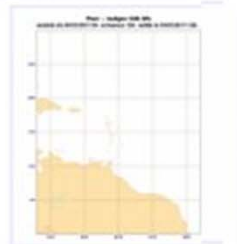
spag Pmer 1000



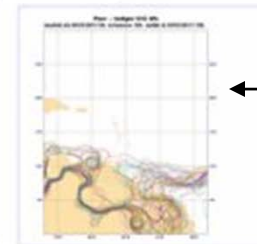
spag Pmer 1004



spag Pmer 1008



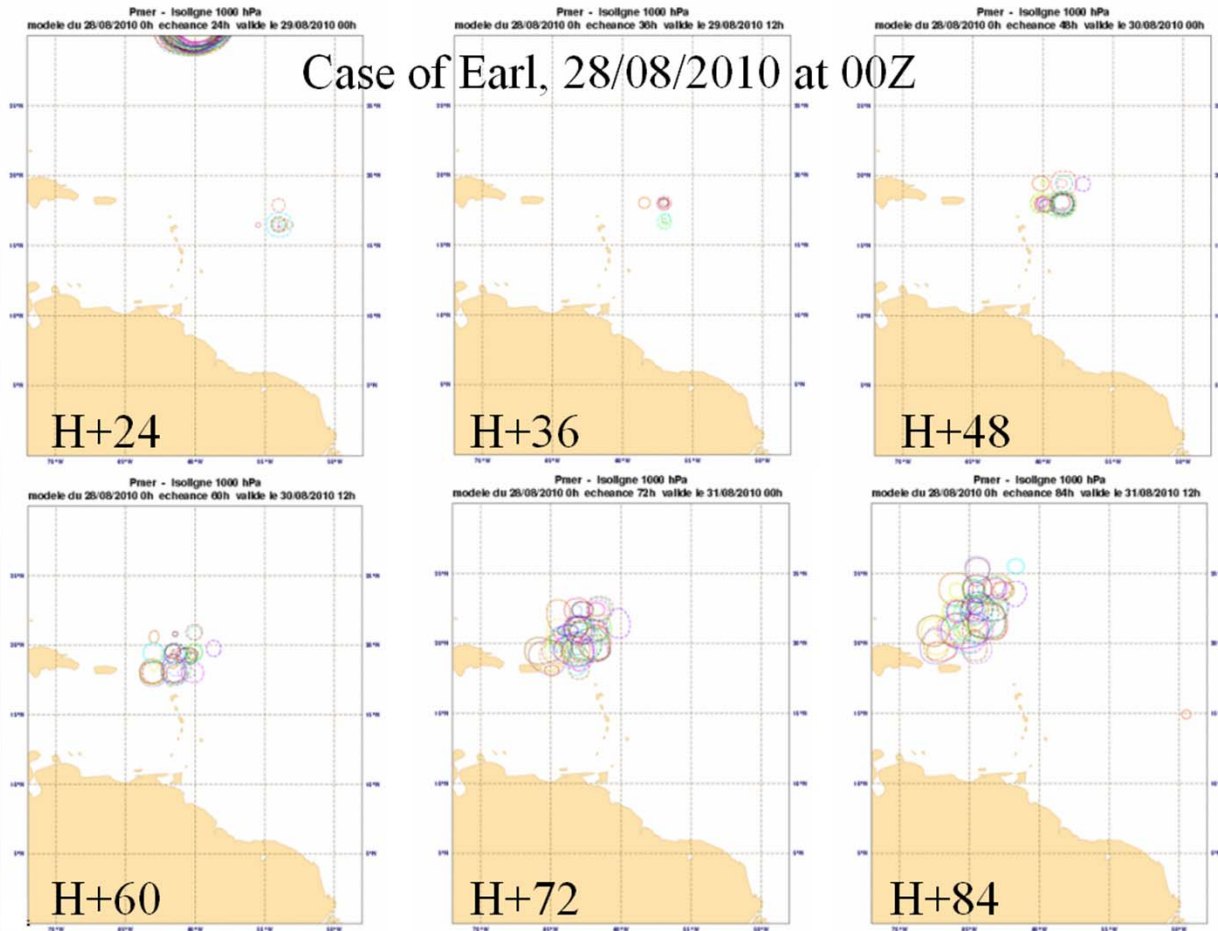
spag Pmer 1012



← PMER

# EPS products on internal WEB page

Case of Earl, 28/08/2010 at 00Z

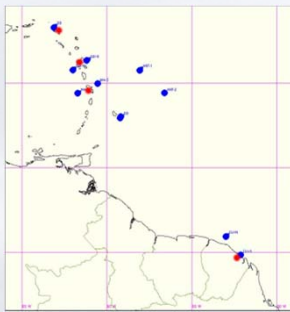


Spaghettis «mslp» from ECMWF-EPS (4 different thresholds in hpa are available) :  
→ 1012 (for TD), 1008 (TD to TS), 1004 (TS to Hur), 1000 (Hur)



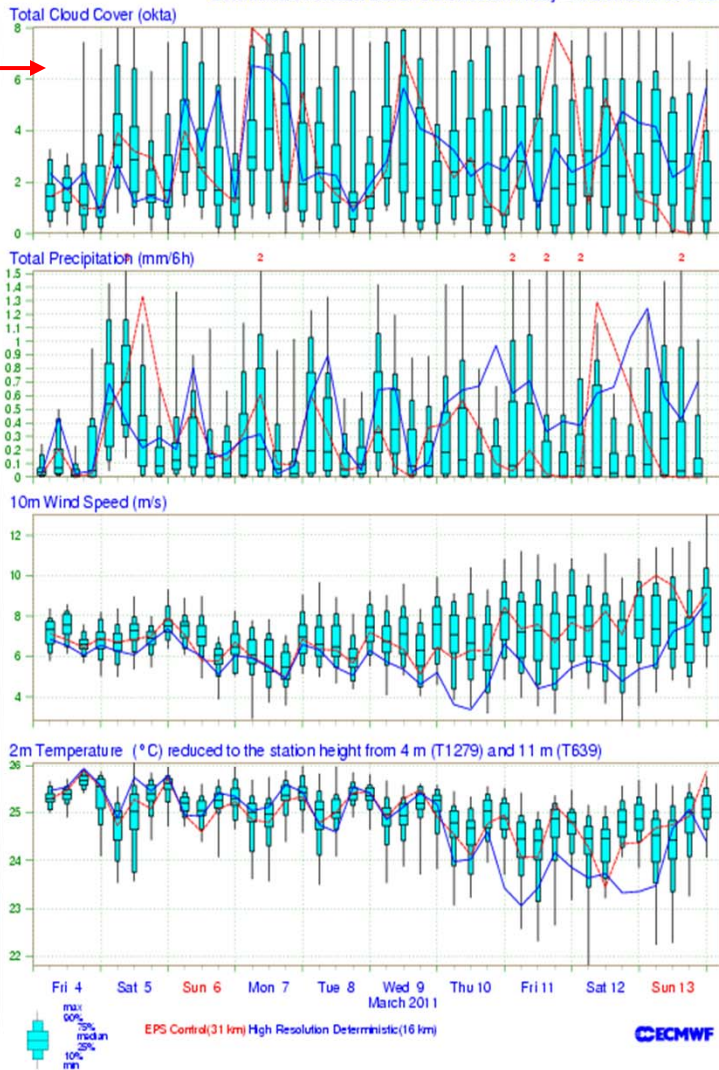
# EPS products on internal WEB page

● Atmo-grammes

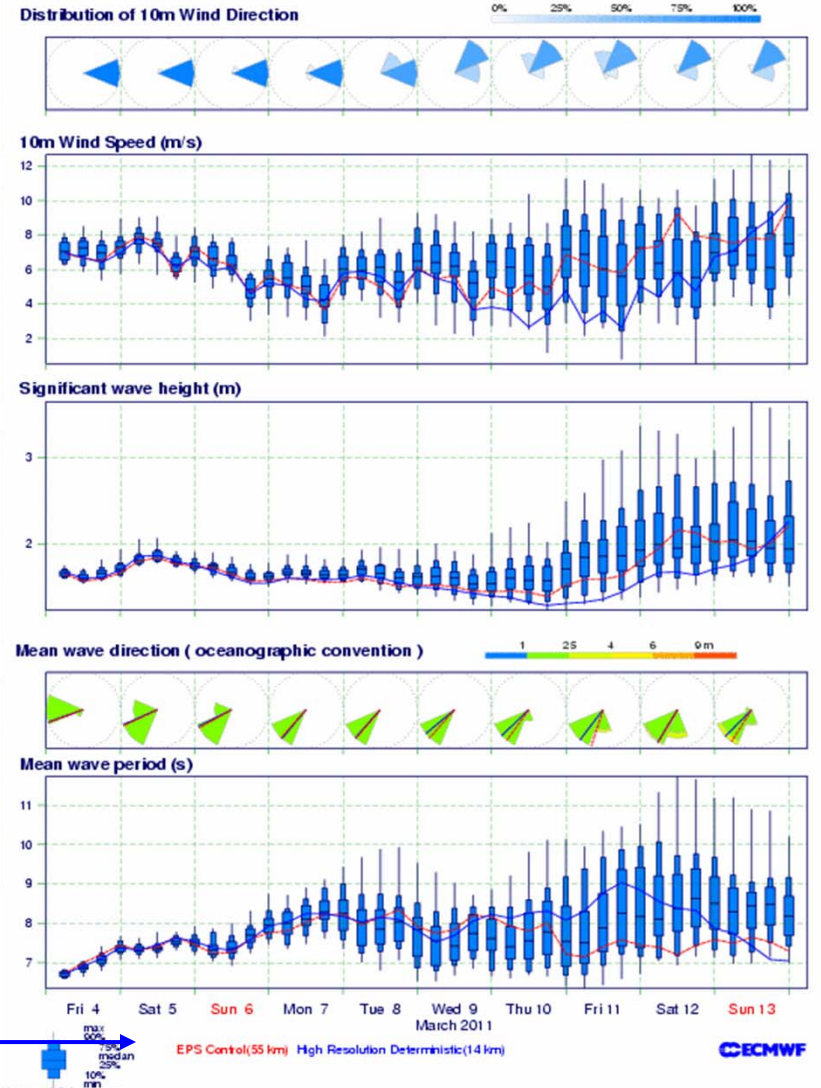


● Vag-grammes

EPS Meteogram  
Fort de France 14.47°N 60.75°W (EPS sea point) 4 m (T1279)  
Deterministic Forecast and EPS Distribution Friday 4 March 2011 00 UTC

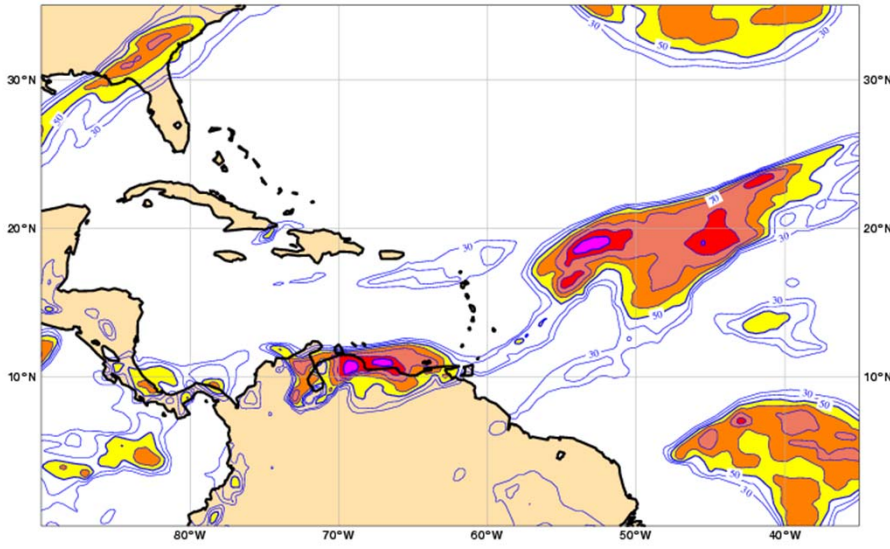


Wave Epsgram  
ANT1 15.88°N 57.94°W (EPS sea point)  
Deterministic Forecast and EPS Distribution Friday 4 March 2011 00 UTC



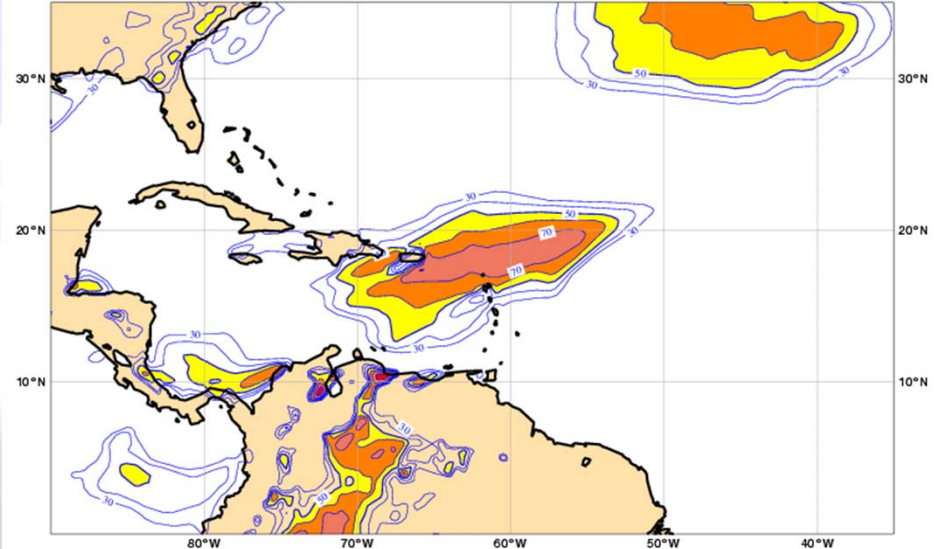
# Extreme Forecast Index

**Extrem Forecast Index - 24h\_Precipitations**  
EPS from 02/01/2011 0h step 30h valid on 03/01/2011 06h



EFI for 24hours rain accumulation

**Extrem Forecast Index - 10m\_Windspeed**  
EPS from 02/01/2011 0h step 12h valid on 02/01/2011 12h



EFI for 10m wind speed



# Sharing process

Example 1 : Extranet for Haïti

<http://www.meteo.fr/extranets/page/index/affiche/id/59825>

Example : Extranet for Indian ocean (CMRS La Réunion)

<http://www.meteo.fr/extranets/page/index/affiche/id/76040>

A MF-FWI project (called « SHERPA », for « Synergie, Harmonisation et Echange Régional pour la Prévision aux Antilles ») is on the way and will need contributions and regional and international partnerships

