Numerical Product from ECMWF (Ensemble system and others …)

Jean-Noel DEGRACE (MétoFrance Antilles-Guyane)

METEO FRANCE
Toujours un temps d'avance
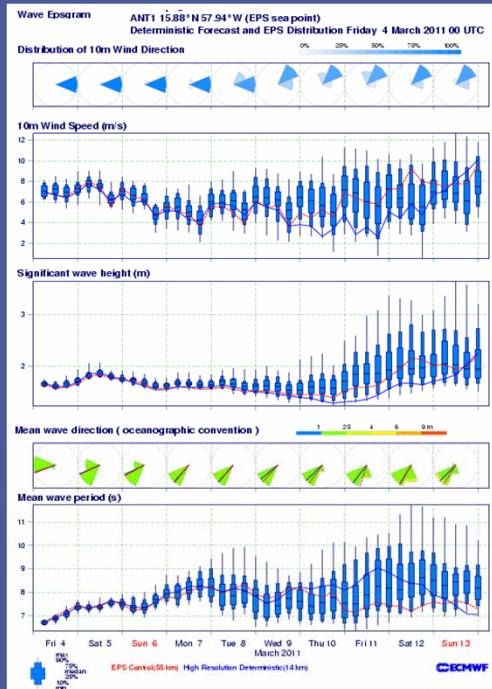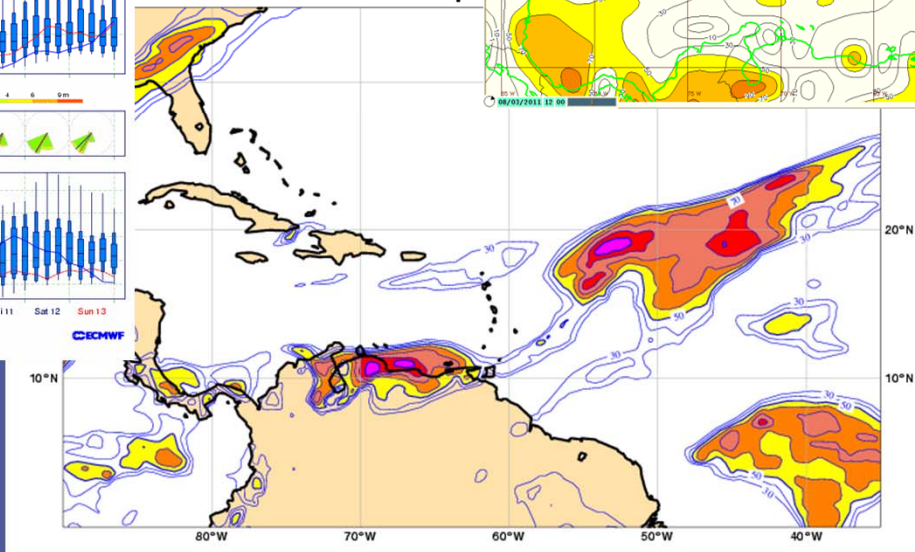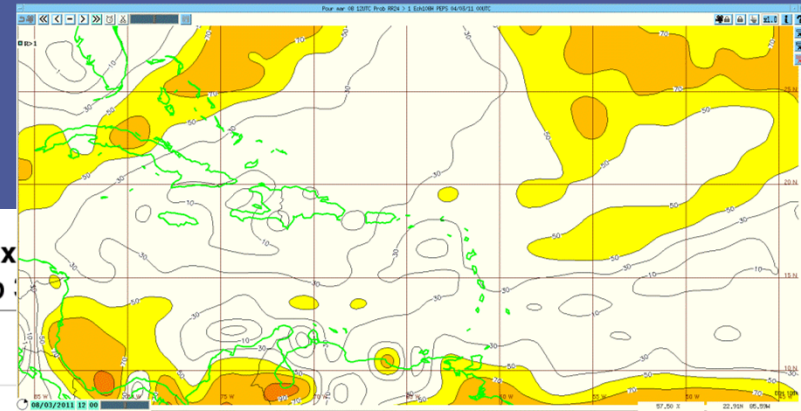
Executive Summary

- **EPS products on the « Synergie » workstation**
  - **Probabilities charts**

- **EPS proudcts on internal webpage**
  - **Complementary probability charts**
  - **« Spaghettis »**
  - **Meteo-grammes and Vag-grammes**

- **Sharing process**

METEO FRANCE
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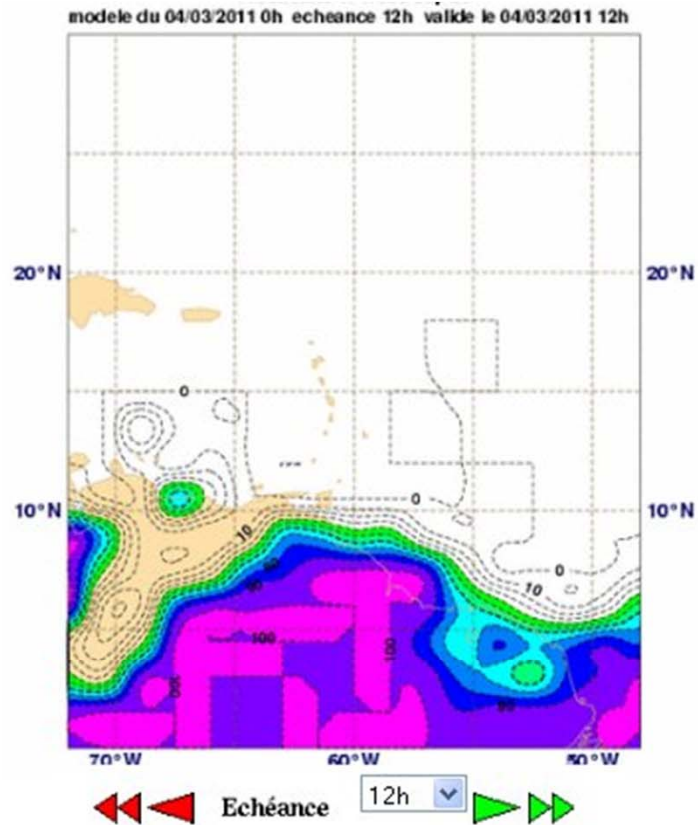
EPS products on the forecaster workstation
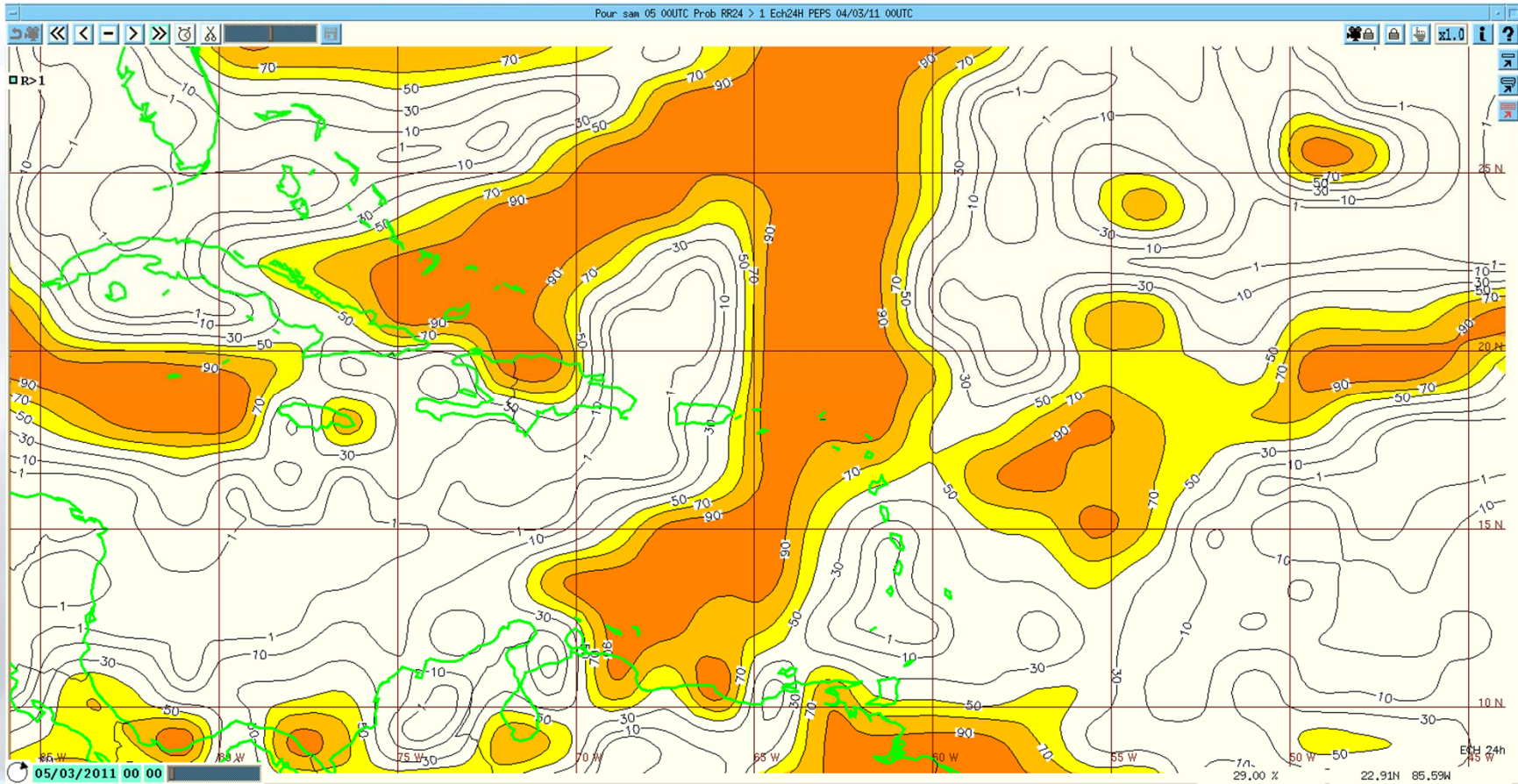
Example : probability of 24 hours rain accumulation
to be above 1mm (from NWP point of view …)

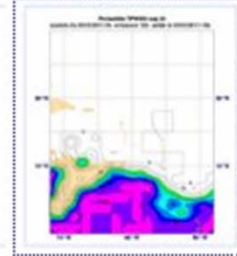**METEO FRANCE**
Toujours un temps d'avance

modele du 04/03/2011 0h echeance 12h valide le 04/03/2011 12h

Echéance 12h
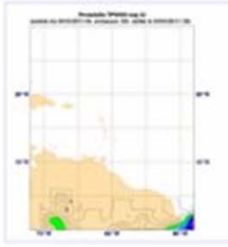
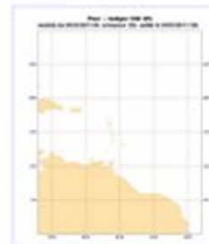Pmer/TPW850   proba TPW850>20   proba TPW850>22   TPW 850
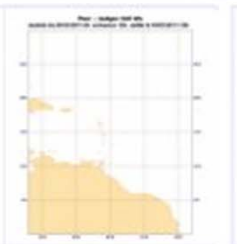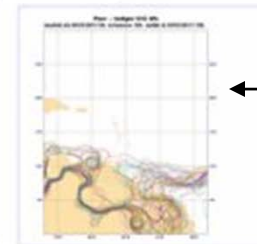
proba CAPE>1000   proba CAPE>2000   CAPE

spag Pmer 1000   spag Pmer 1004   spag Pmer 1008   spag Pmer 1012   PMER
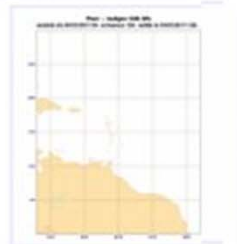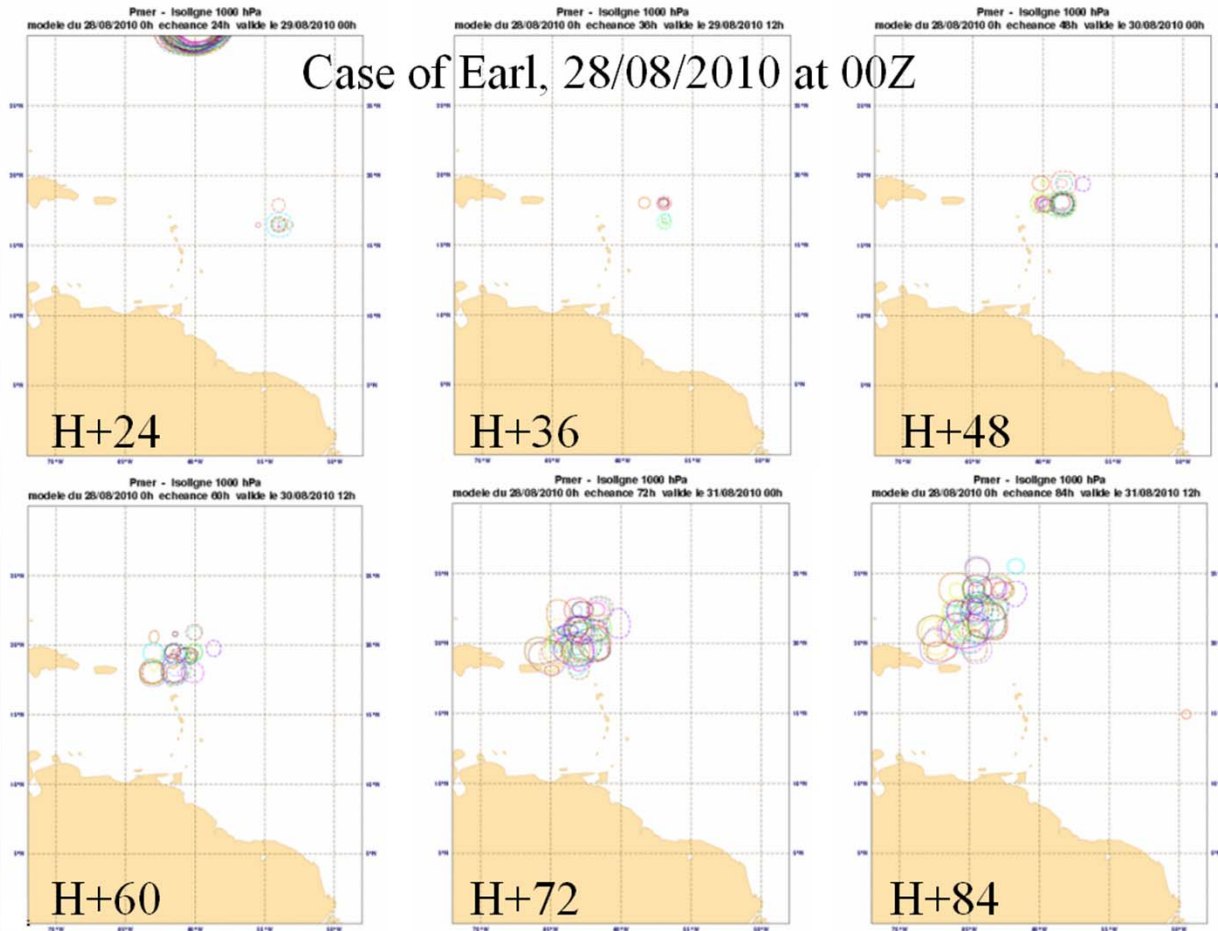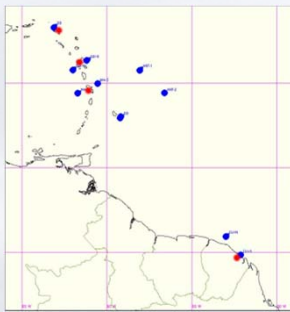
Case of Earl, 28/08/2010 at 00Z

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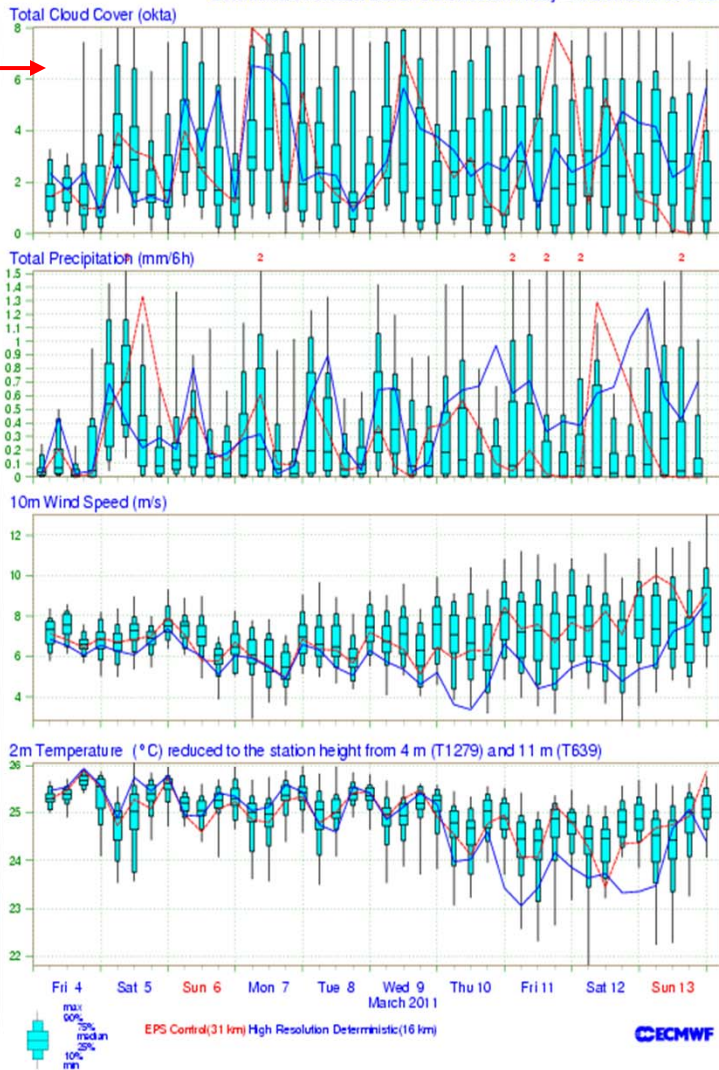→ 1012 (for TD), 1008 (TD to TS), 1004 (TS to Hur), 1000 (Hur)

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Toujours un temps d'avance

EPS products on internal WEB page

- **Atmo-grammes**

- **Vag-grammes**
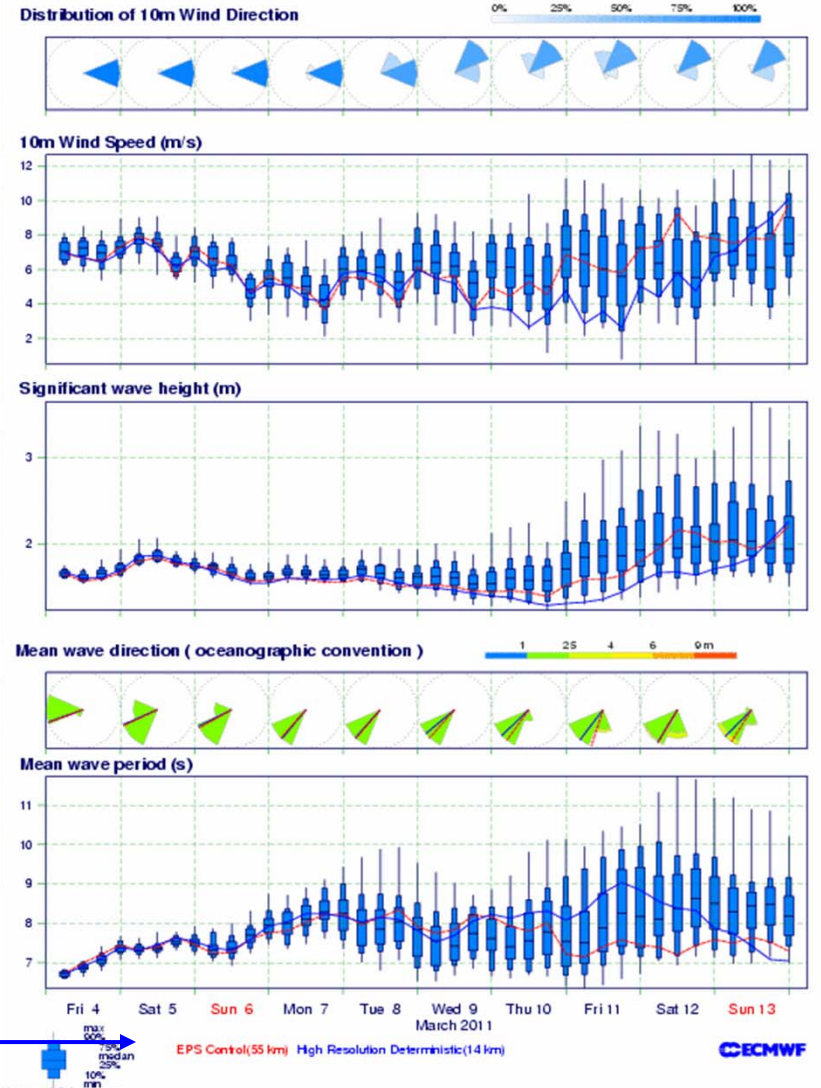
Extreame Forecast Index

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

Extrem Forecast Index - 10m_Windspeed
EPS from 02/01/2011 0h step 12h valid on 02/01/2011 12h
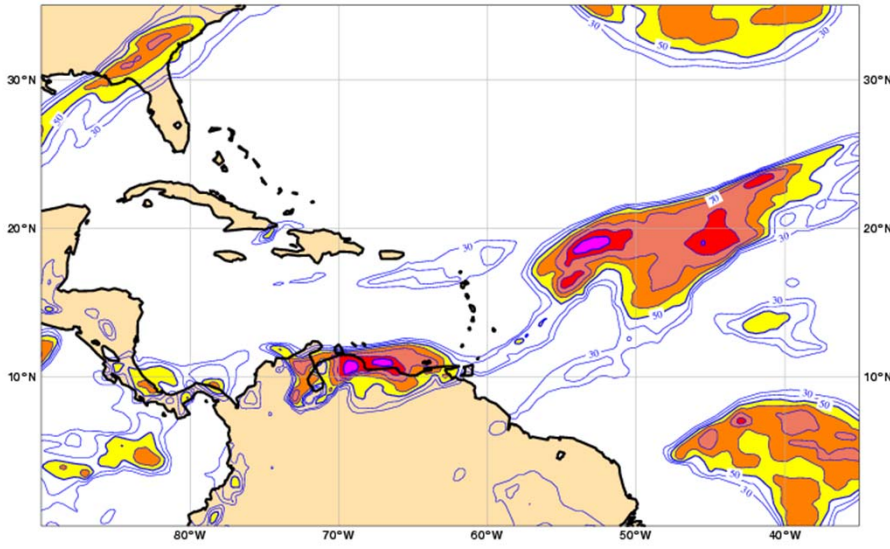
EFI for 24hours rain accumulation

EFI for 10m wind speed

Sharing process

Example 1 : Extranet for Haïti

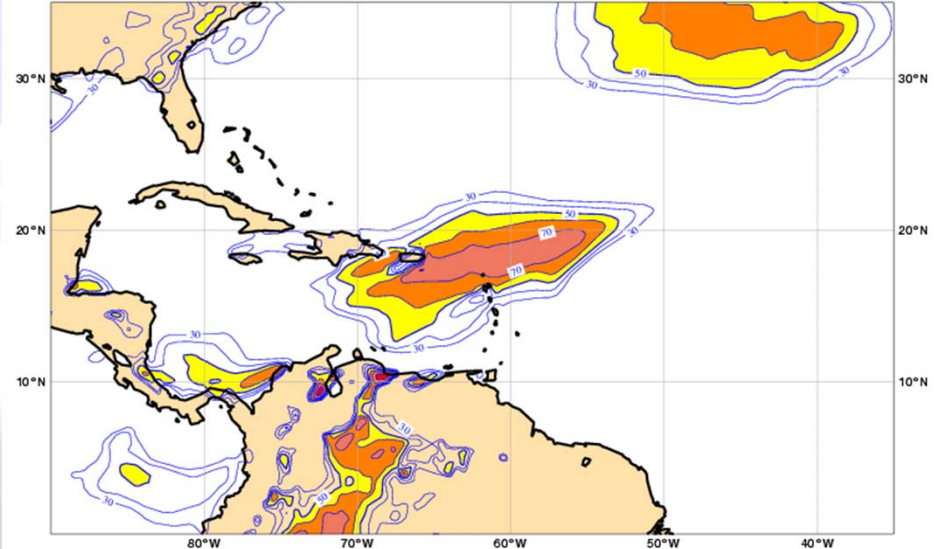http://www.meteo.fr/extranets/page/index/affiche/id/59825

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

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