Investing in Opportunities
This project has received European Regional Development Funding through INTERREG IV B.
INTERREG IVB

Comparison of two radar data

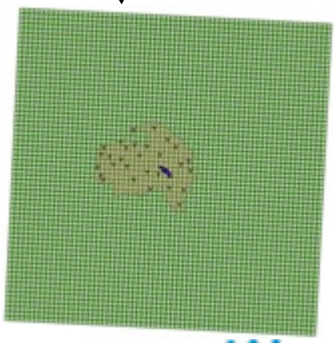
Comparison of two radar data

C_band_radar

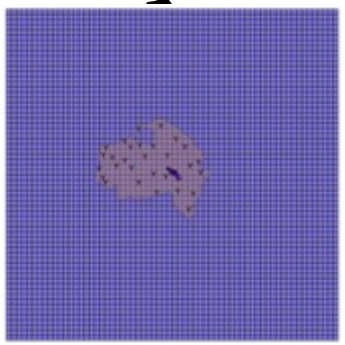
Treatments
Meteo France

Treatments operated by
CALAMAR???

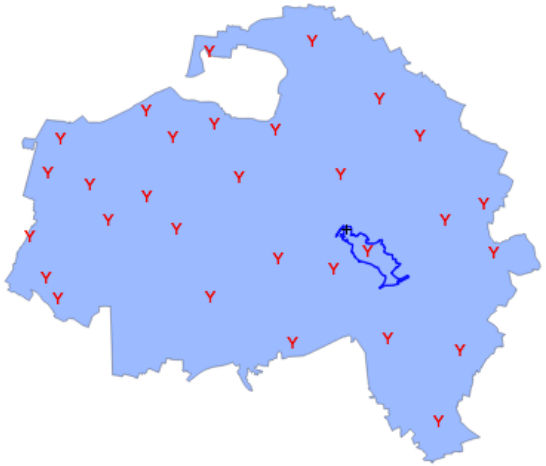
MF



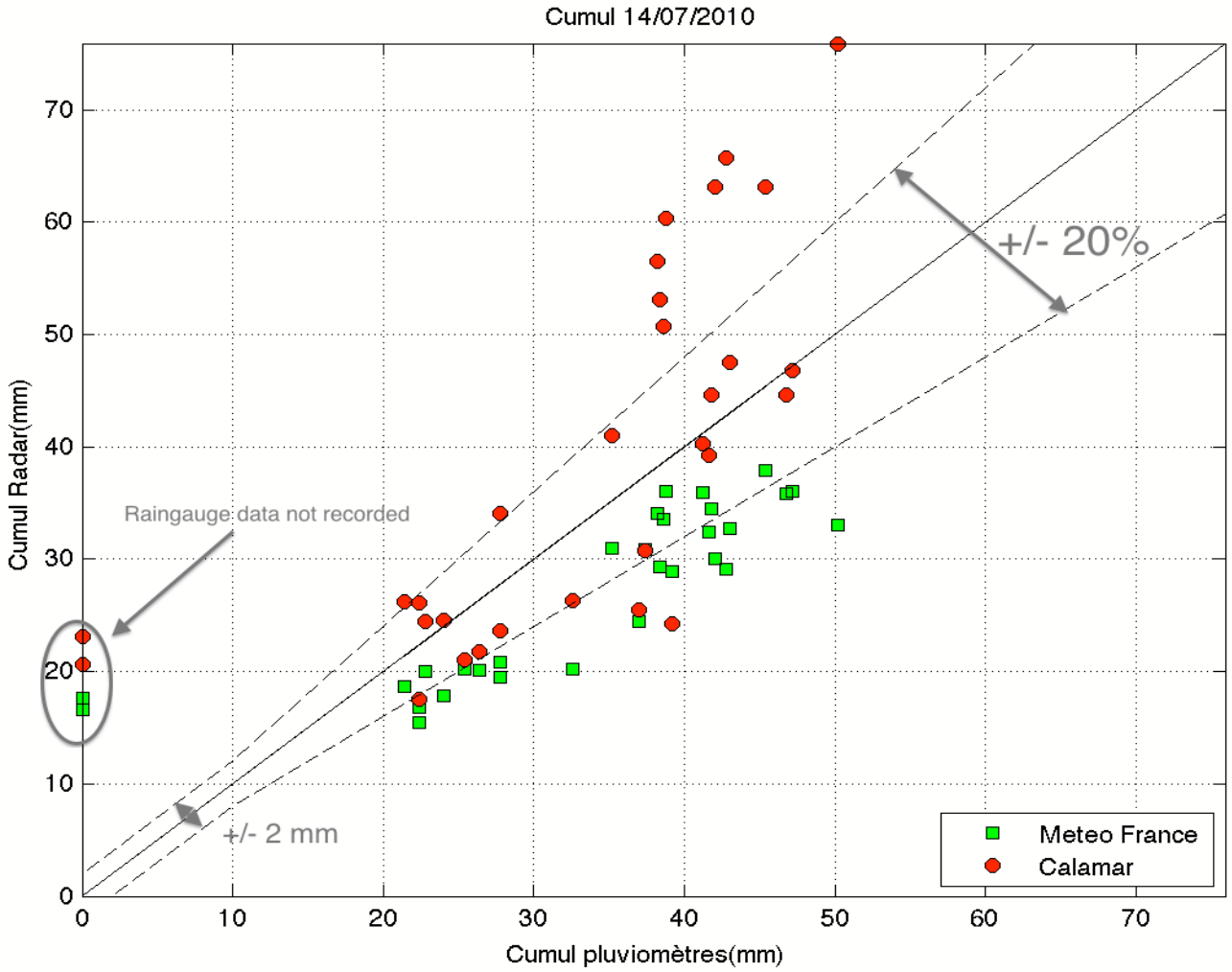
CALAMAR

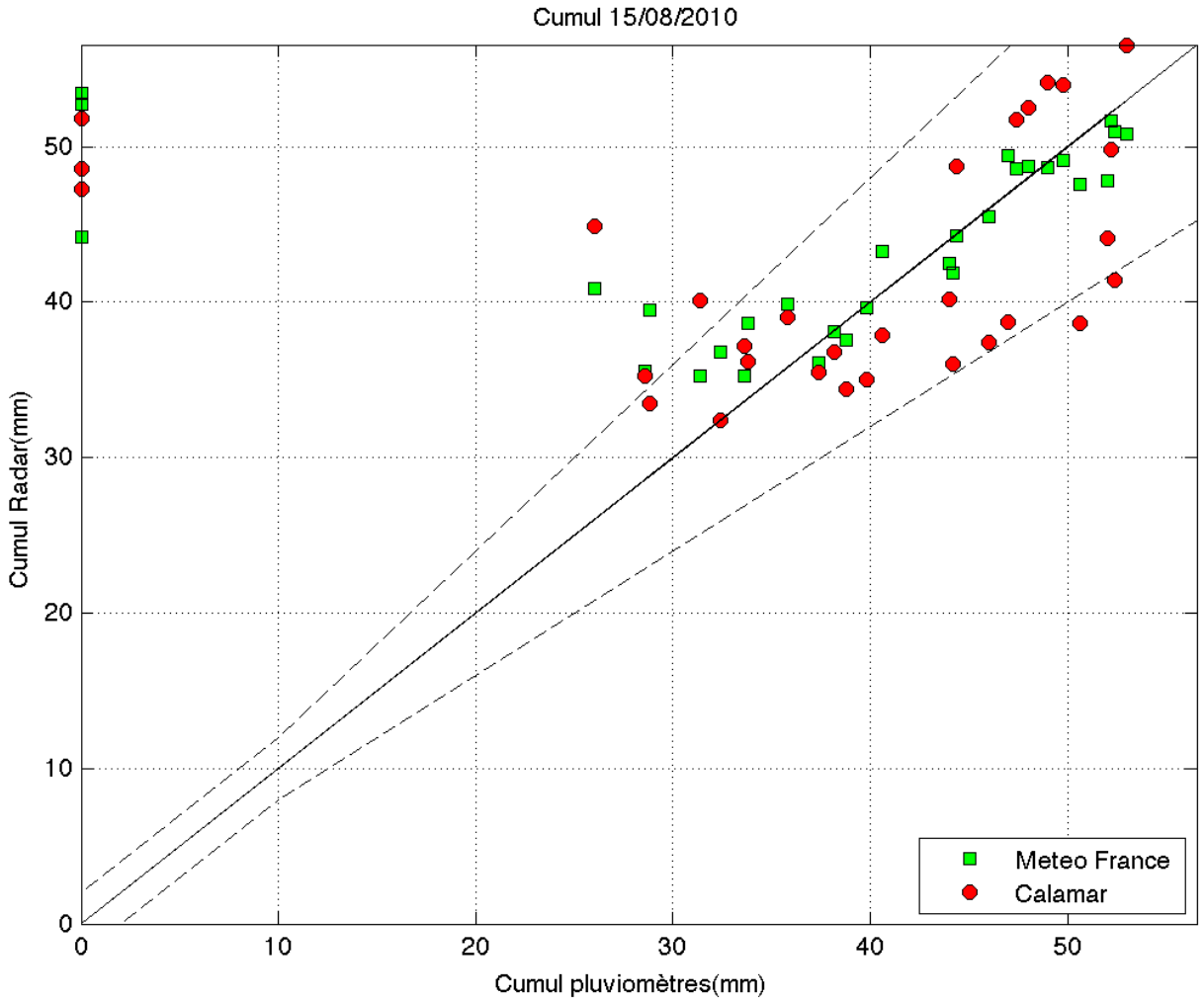


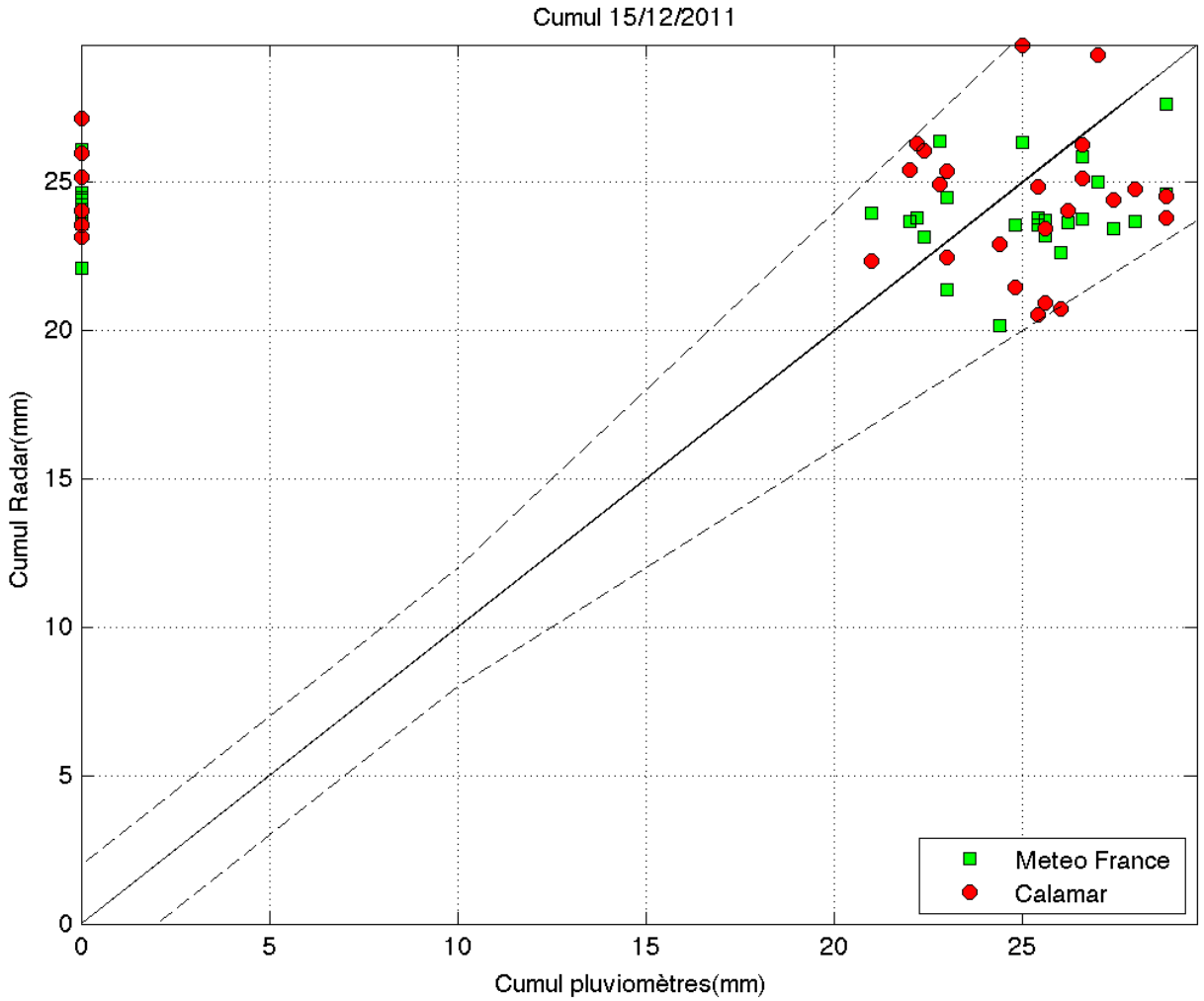
Rain gauge Network



1-


Cumul 14/07/2010
Cumul Radar(mm)
Cumul pluviomètres(mm)
0
10
20
30
40
50
60
70
+/- 20%
Raingauge data not recorded
+/- 2 mm
Meteo France
Calamar


Cumul 15/08/2010
Cumul Radar(mm)
Cumul pluviomètres(mm)
0
10
20
30
40
50
Meteo France
Calamar


Cumul 15/12/2011
Cumul Radar(mm)
Cumul pluviomètres(mm)
0
5
10
15
20
25
Meteo France
Calamar

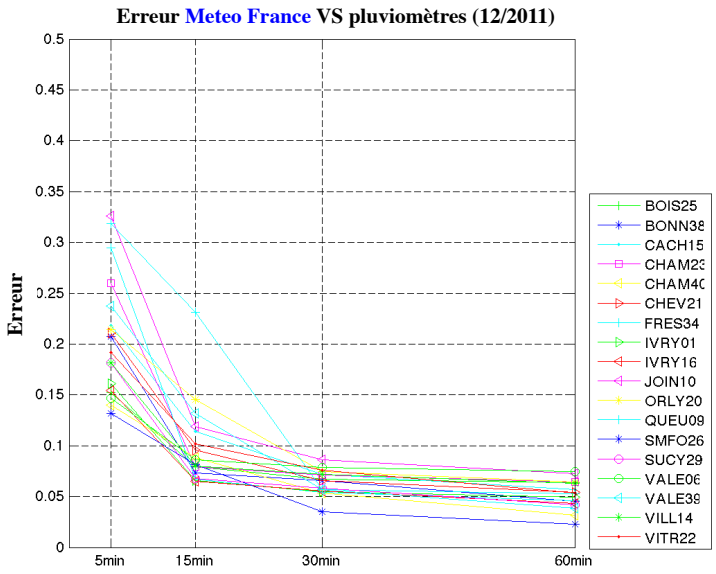
2- We calculate for each rain gauge three parameters:

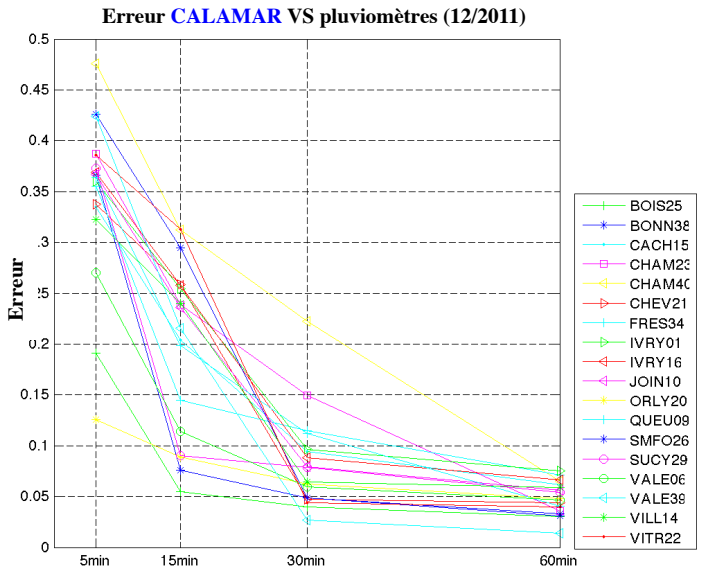
Nash coefficient

Correlation coefficient

RMSE coefficient

Using the cumulative rainfall at 5, 15, 30 and 60 min





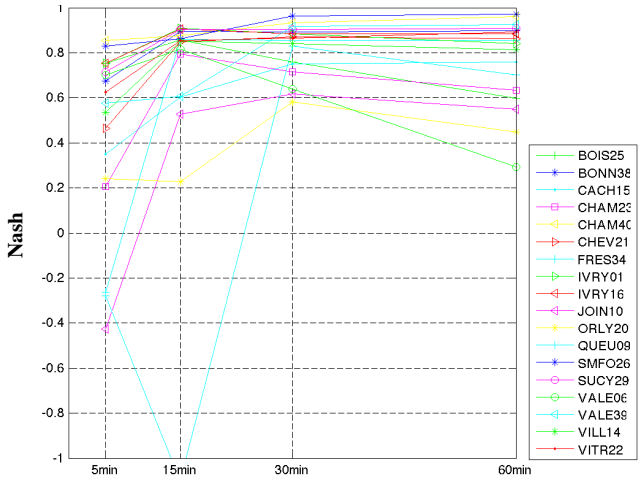
Rain Gain

Investing in Opportunities

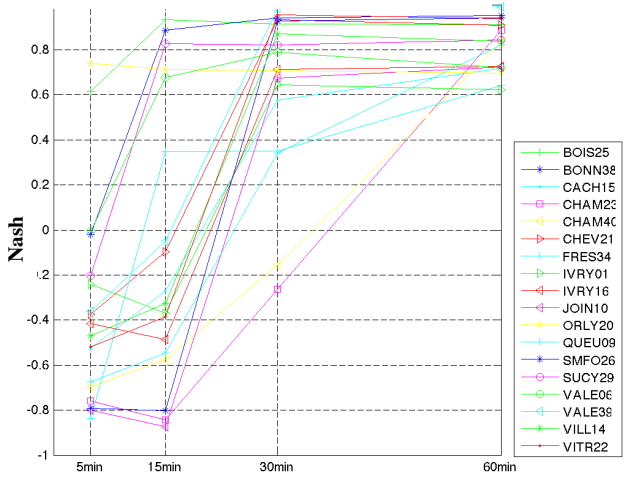
This project has received European Regional Development Funding through INTERREG IV B.

INTERREG IVB

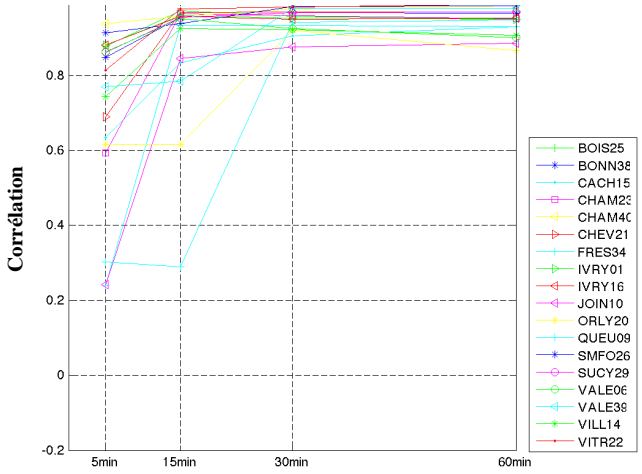
Nash Meteo France VS pluviomètres (12/2011)



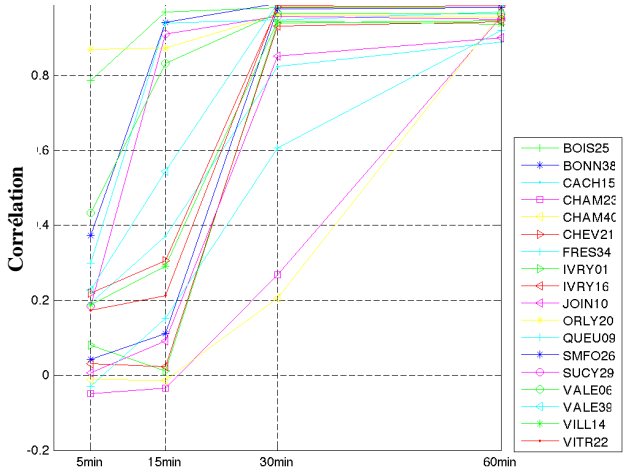
Nash CALAMARVS pluviomètres (12/2011)



Corrélation Meteo France VS pluviomètres (12/2011)

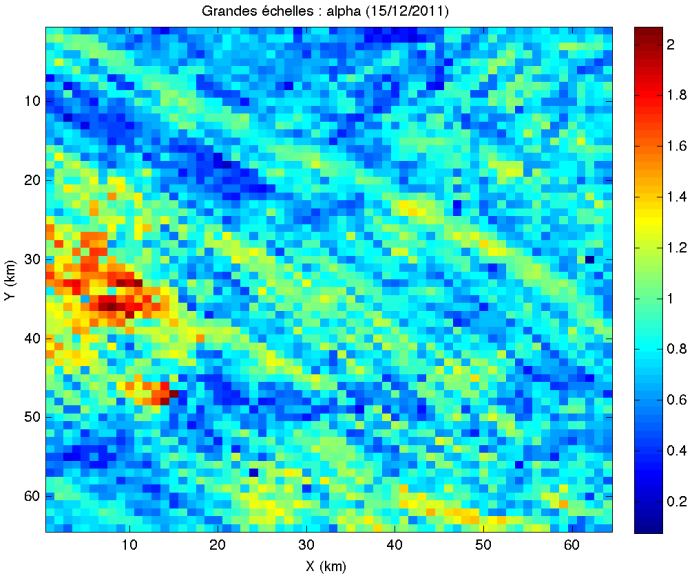


Corrélation CALAMAR VS pluviomètres(12/2011)

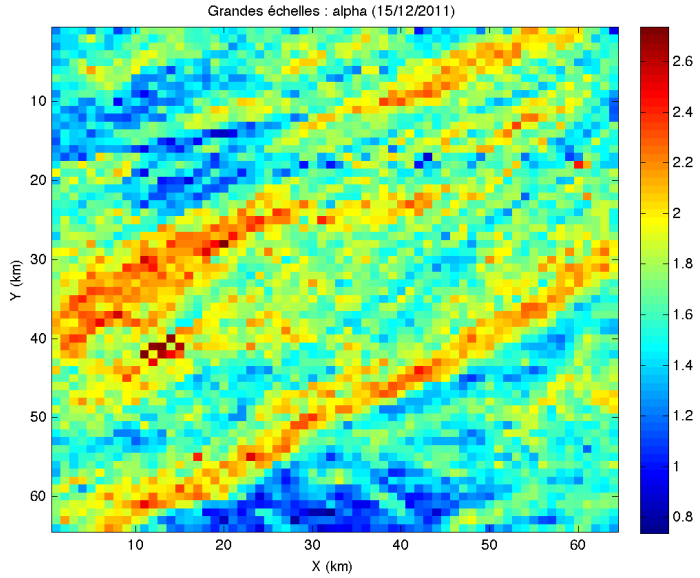


3- Multifractal theory to compare the structure of the two fields by calculating UM parameters (Alpha, C1) for each pixel.

CALAMAR

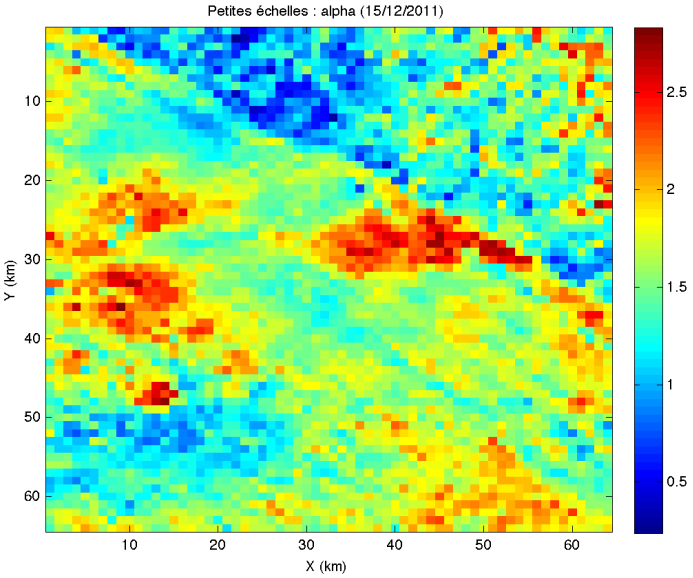


Meteo France

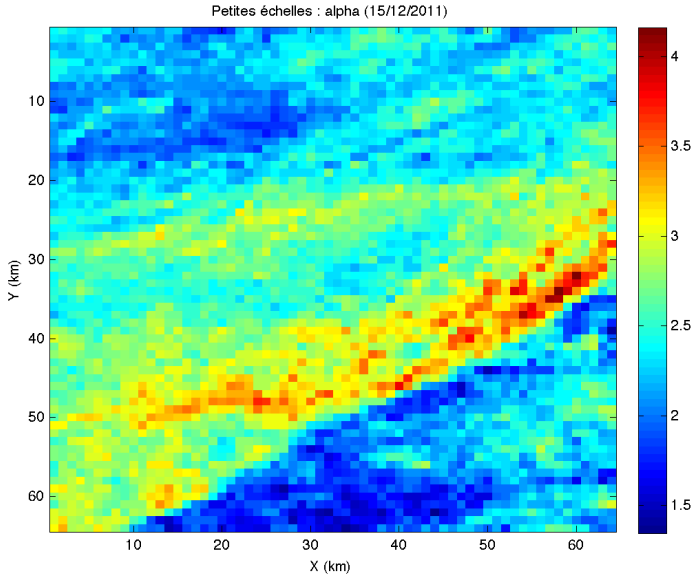


3- Multifractal theory to compare the structure of the two fields:

CALAMAR

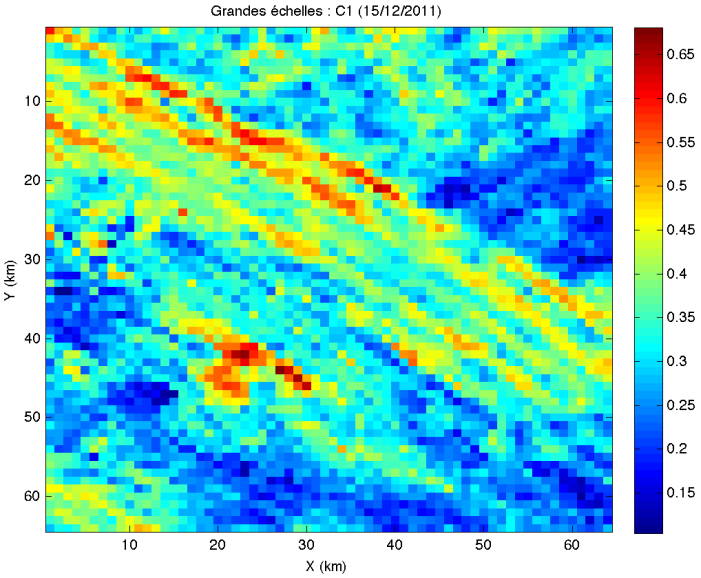


Meteo France

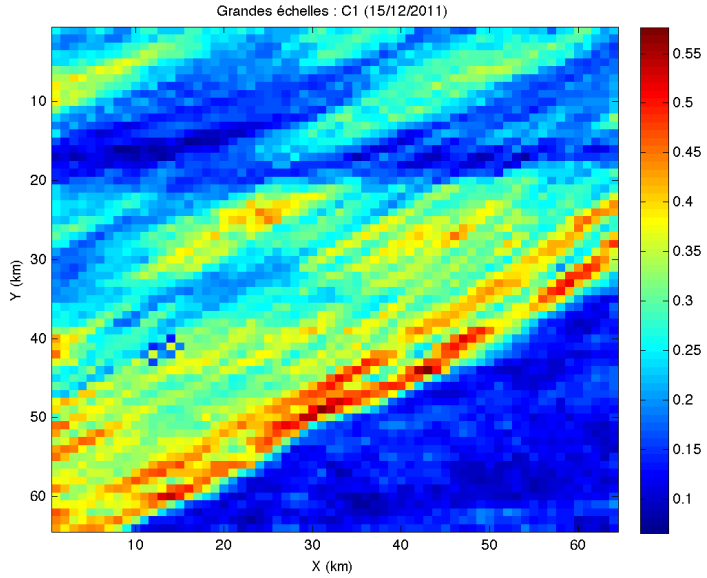


3- Multifractal theory to compare the structure of the two fields:

CALAMAR

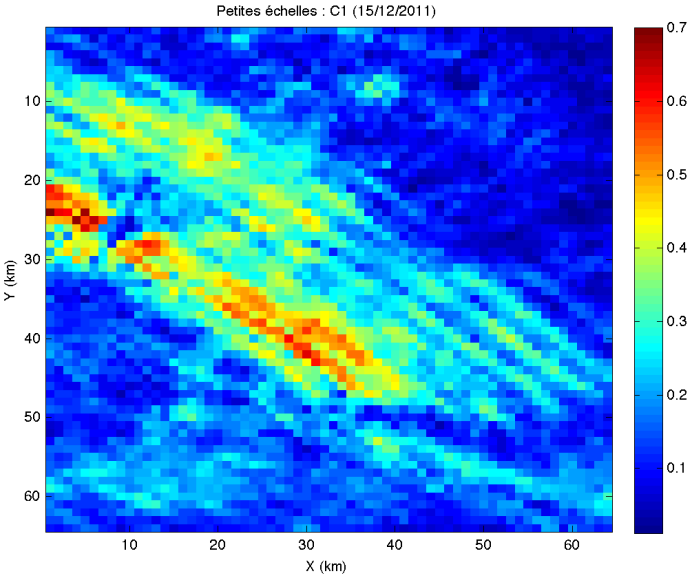


Meteo France

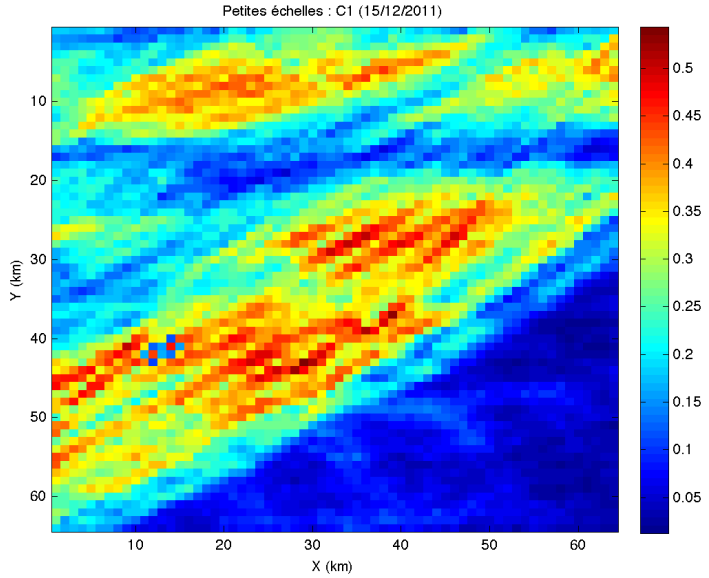


3- Multifractal theory to compare the structure of the two fields:

CALAMAR



Meteo France



3- Multifractal theory to compare the structure of the two fields:

		Meteo France		CALAMAR	
		Alpha	C1	Alpha	C1
Grandes échelles	moyen	1.69	0.24	0.81	0.33
	Ecart type	0.04	0.006	0.06	0.009
Petites échelles	moyen	2.48	0.22	1.56	0.19
	Ecart type	0.04	0.015	0.05	0.022