



The Forecasting Committee

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Plan

- **Introduction : A Forecasting Committee:
Why ?**
- **Historical**
 - 1999 : *Erika*
 - 2002 : *Prestige*
 - 2006 : 11 January 2006 Prime Minister
Instruction

Locate the spill to treat it



Erika feed back

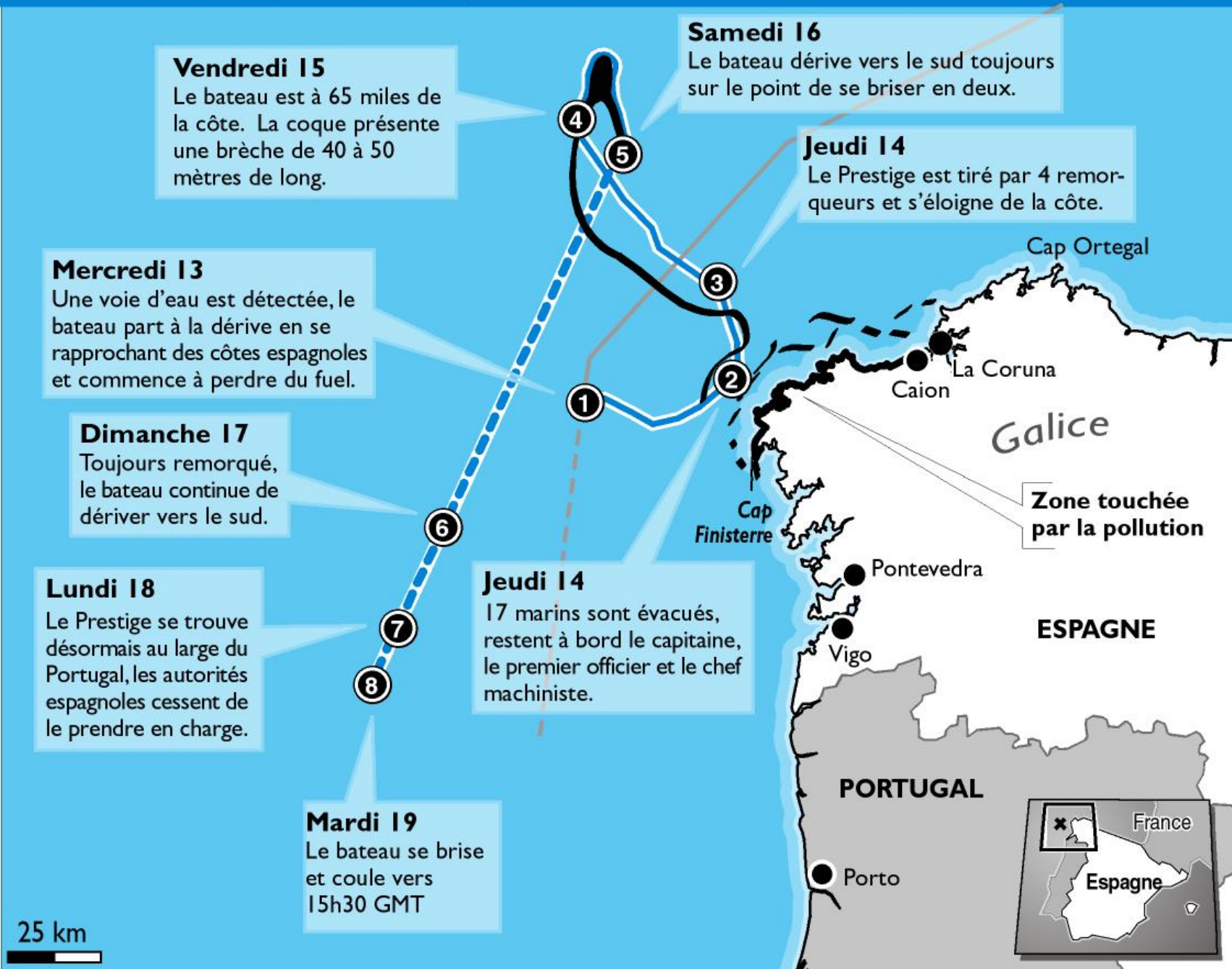


- Uncompleted prediction
- An insufficiently controlled communication

Prestige : adaptation of the system

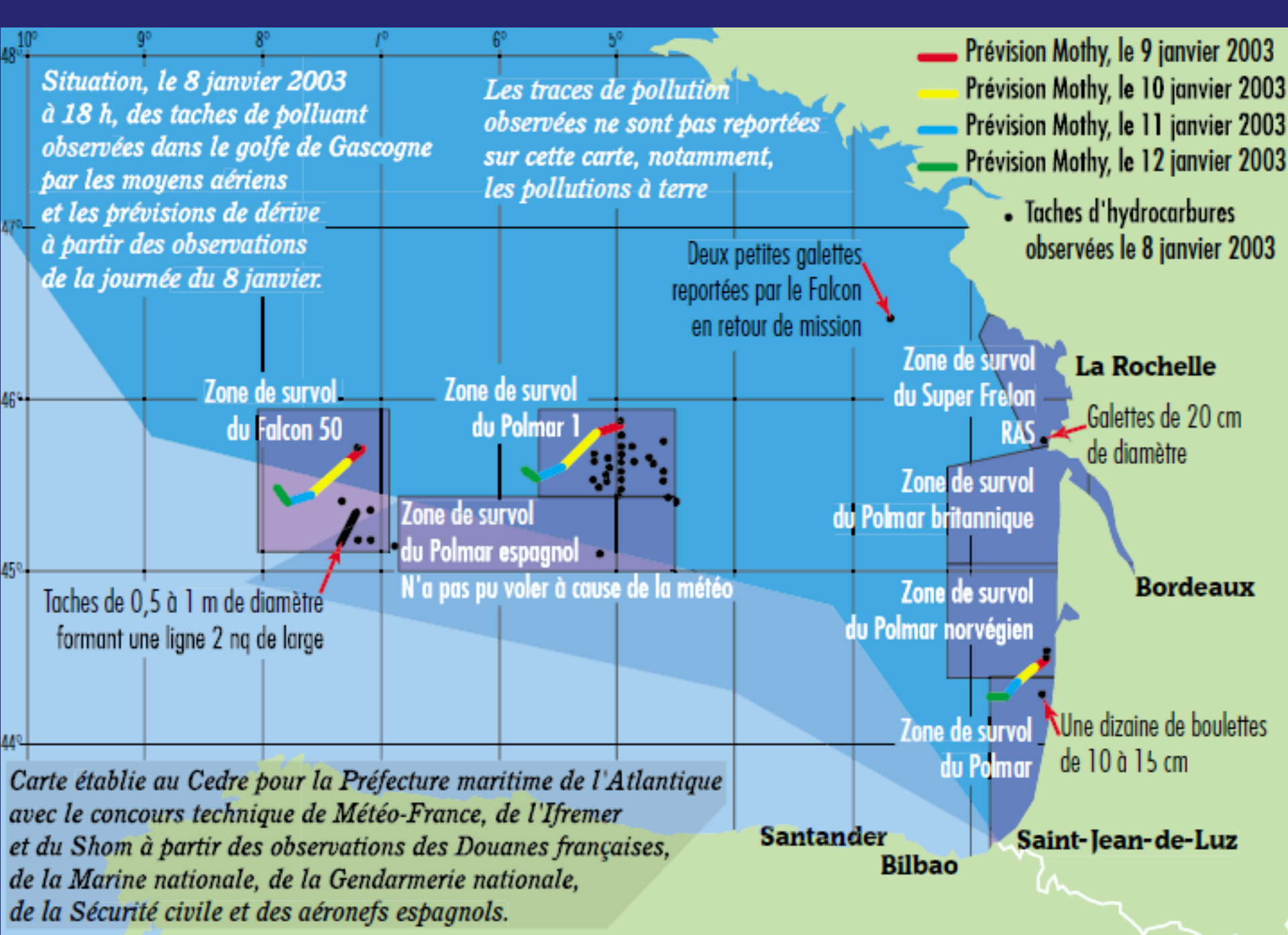


Sept jours de dérive pour le "Prestige"



21 November 2002 : the Secretariat General of the Sea asked to :

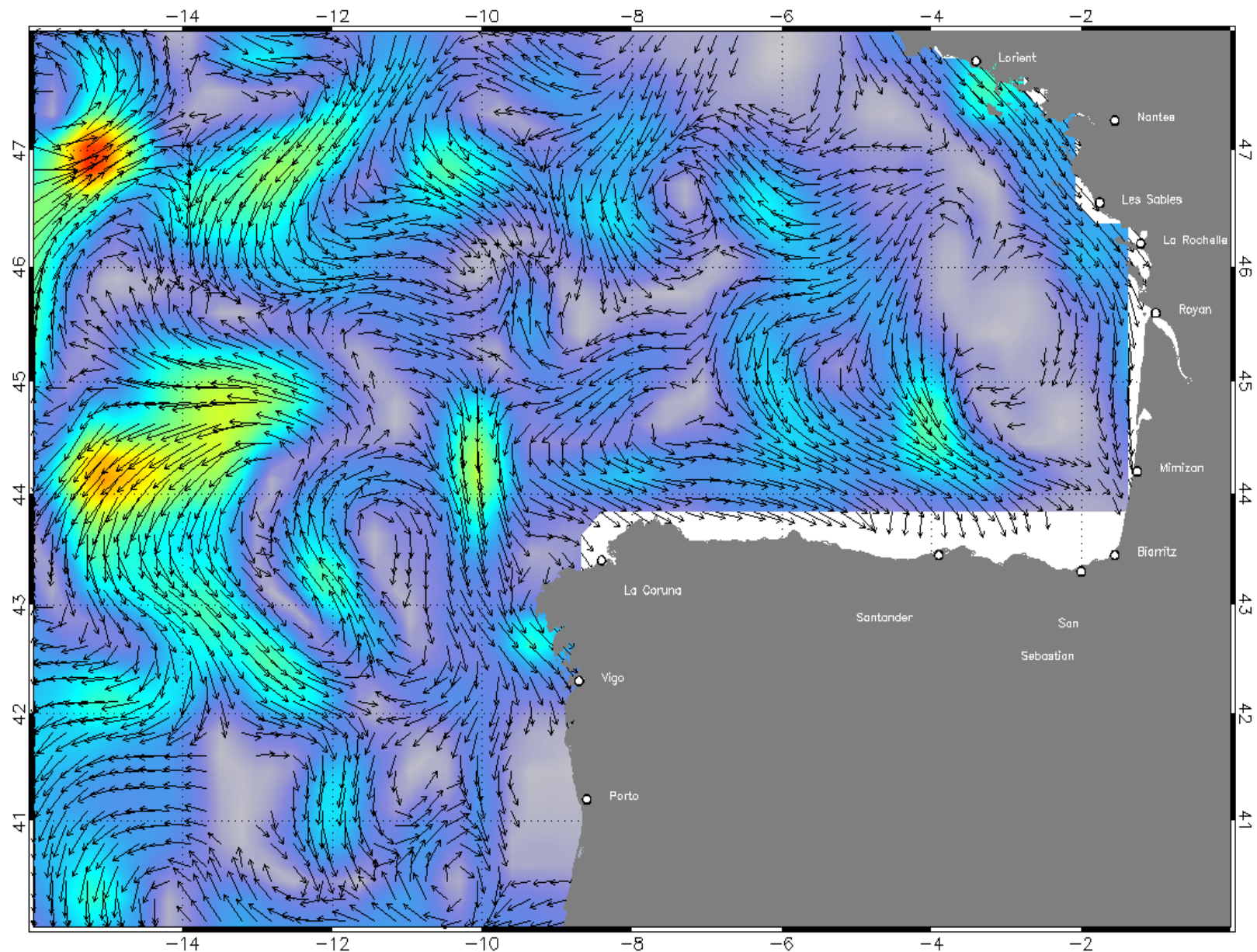
- IFREMER ;
- SHOM ;
- METEO France ;
- CEDRE
- « *to detach a liaison officer to CEDRE in order to provide daily to Atlantic Maritime Authorities the drift data concerning the heavy oil released from the Prestige* »



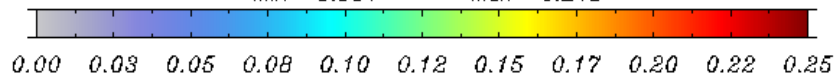
The Tools of the committee

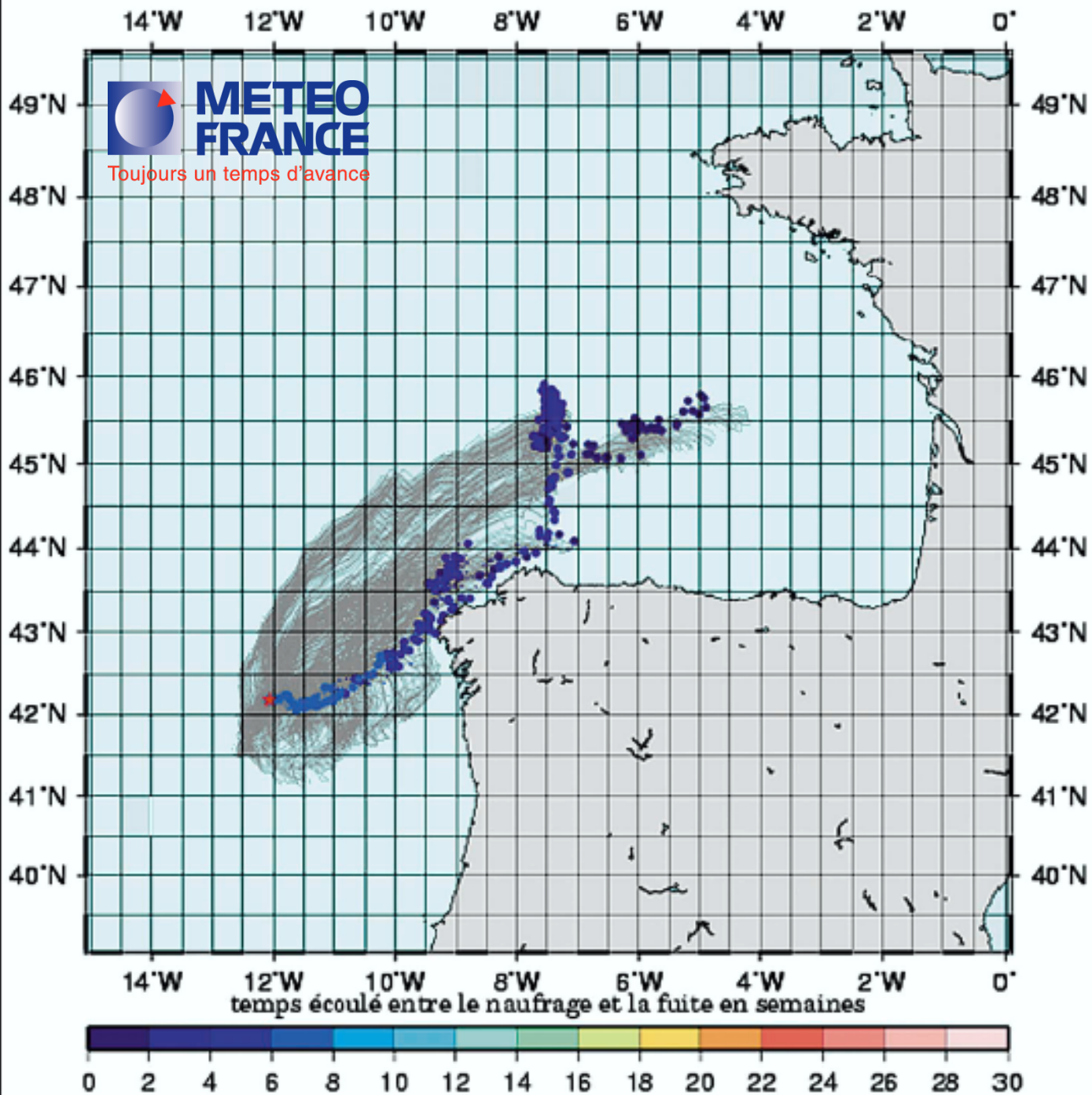
- Mathematical models
- Aerial observation
- Drifting buoys
- Satellite imagery

PSY1v1 Mean Surface Current : 12-2002



Min = 0.001 m/s Max = 0.213





Aerial Survey



2 to 7 flights/day
> 1200 h of observation flights

The drifting buoys



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Satellite imagery

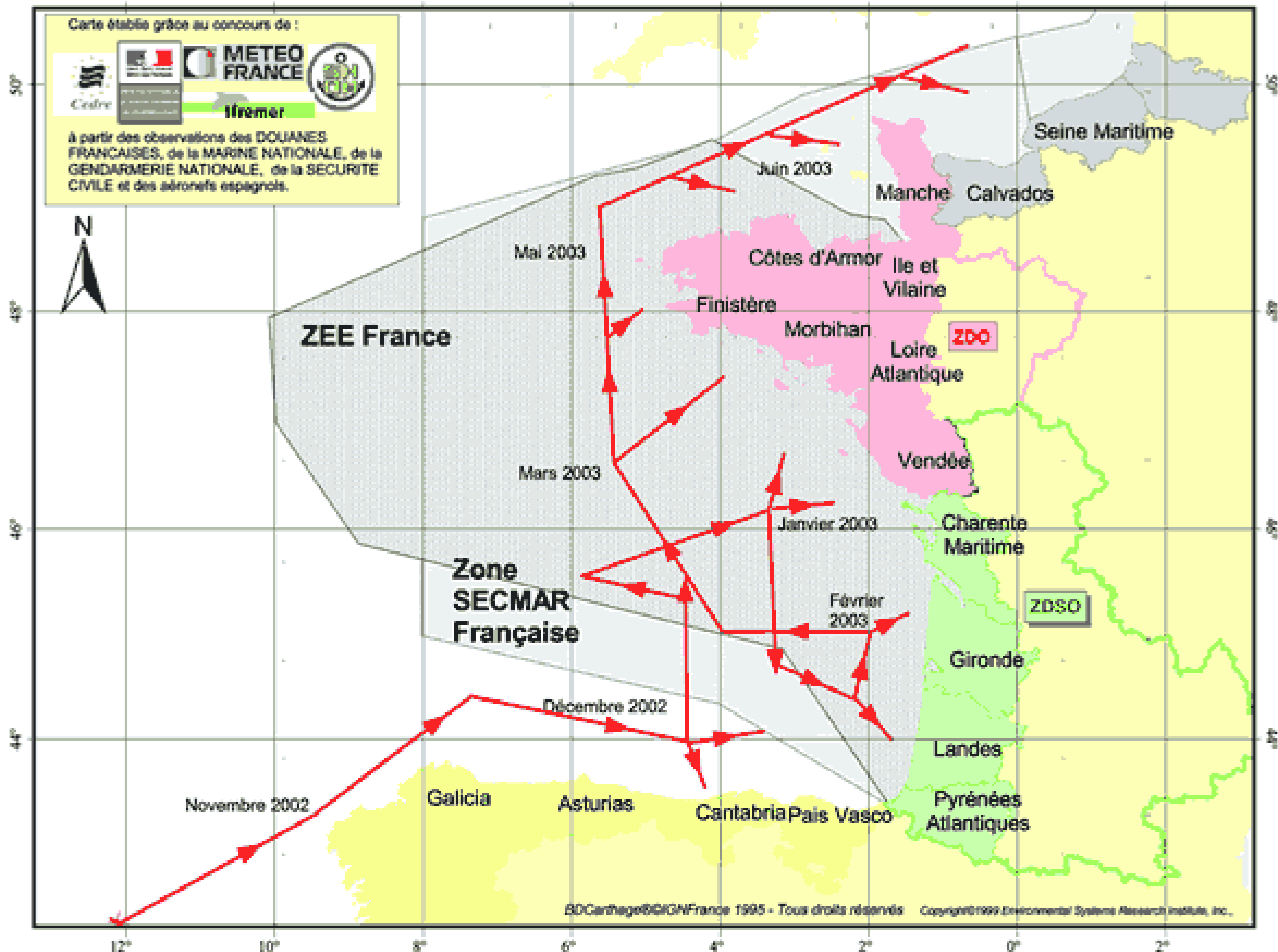
50 km



Carte établie grâce au concours de :



à partir des observations des DOUANES FRANÇAISES, de la MARINE NATIONALE, de la GENDARMERIE NATIONALE, de la SECURITE CIVILE et des avions espagnols.



An encouraging result:

- Greater volume of oil recovered at sea during an oil spill (53 000 t of emulsion in Spain and France)
- Due to :
 - the progressive release and drift conditions of the spill
 - numerous aerial observations
 - drifting buoys data
- Which helped to improve mathematical model of prediction
- Still to improve : nearshore drift prediction

11 January 2006 Instruction adapting the regulation related to maritime oil spill response (POLMAR)

- « A committee in charge to analyse the observation and to forecast slick drift is created beside the maritime prefect or the delegate of the Government, representing the State at sea in overseas communities. Animated by the Centre of documentation, research and experimentation on accidental water pollution (CEDRE), this committee consisted of representatives from Météo-France, French Research Institute for exploitation of the sea (IFREMER) and Hydrographic and Oceanographic French Navy Department (SHOM). Other national or foreign competent institutions can also join the committee as necessary