









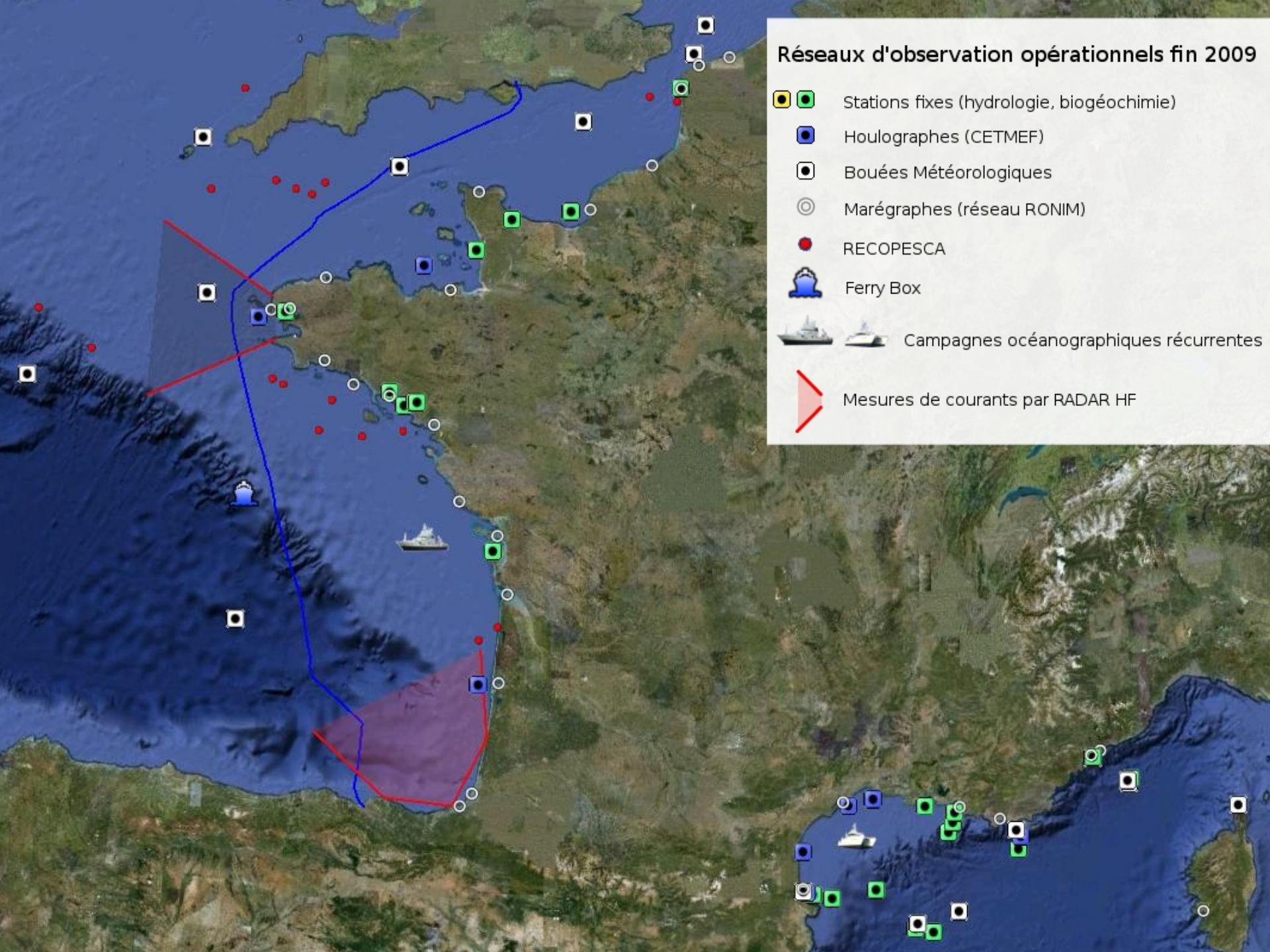


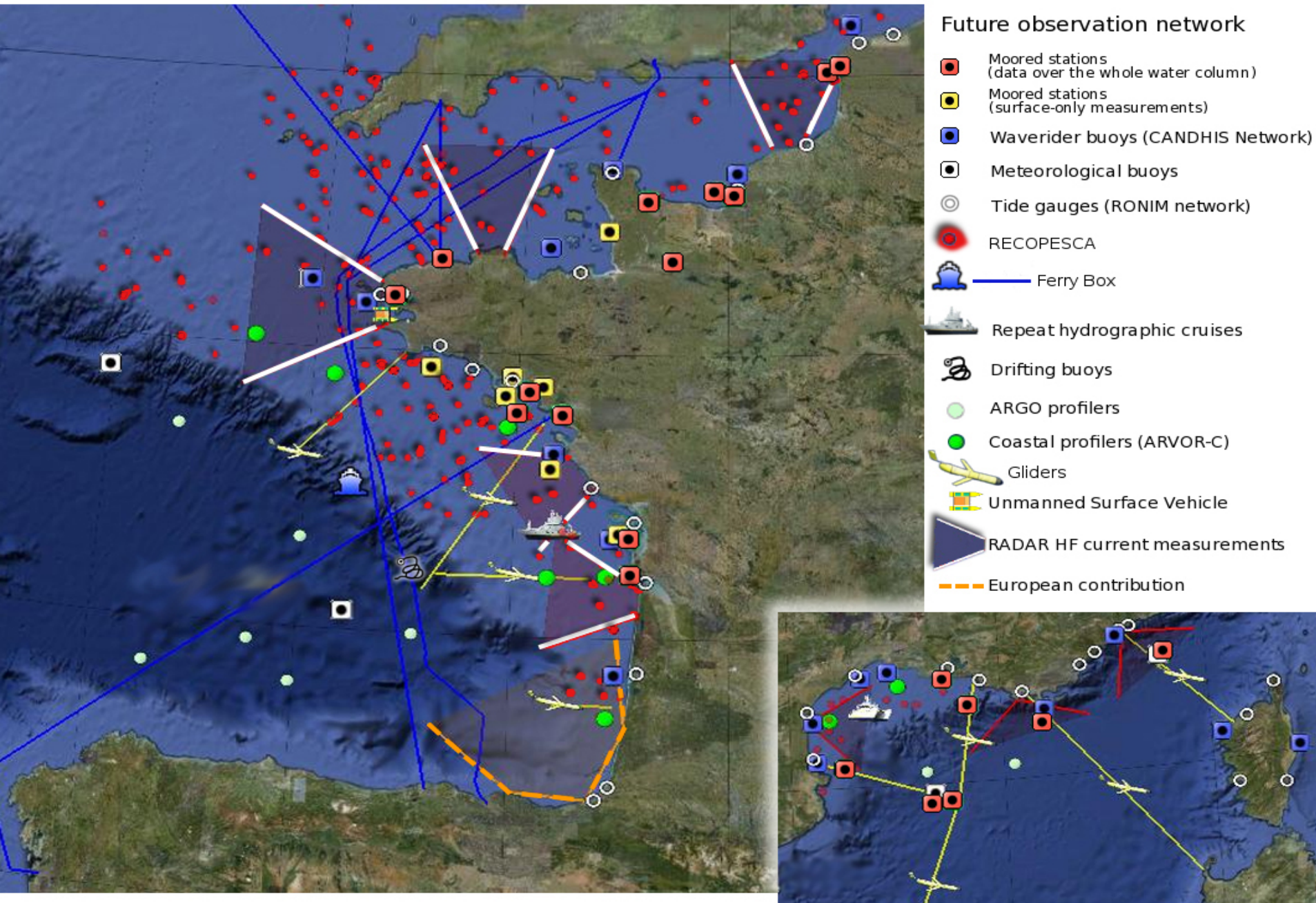
# Potential AirSWOT & CalVal French oceanography sites

## Réseaux d'observation opérationnels fin 2009

-   Stations fixes (hydrologie, biogéochimie)
-  Houlographes (CETMEF)
-  Bouées Météorologiques
-  Marégraphes (réseau RONIM)
-  RECOPECA
-  Ferry Box
-   Campagnes océanographiques récurrentes
-  Mesures de courants par RADAR HF



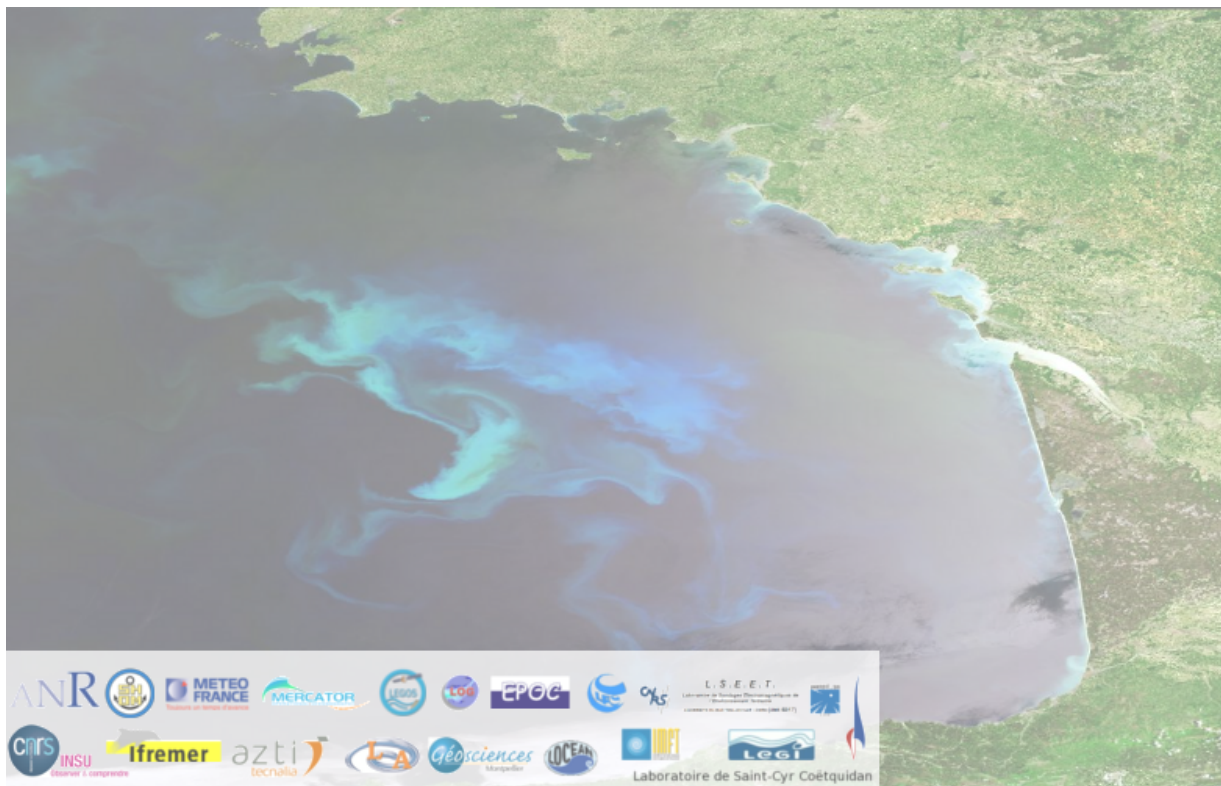
# French Coastal Observation Network : planned for post 2012



# EPIGRAM

## Etudes Physiques Intégrées en Gascogne et Région Atlantique- Manche

Bay of Biscay  
coastal processes  
Observational  
program finishes  
end 2012 – possible  
extension of in-situ  
observations



### 5 major work tasks, grouping 30 different studies

1. Effects of tides
2. Internal Tides
3. Seasonal large-scale processes & coastal-offshore exchange
4. Influence of atmospheric forcing and river runoff on the coastal dynamics
5. Influence of waves on the coastal circulation

### Studies are based on

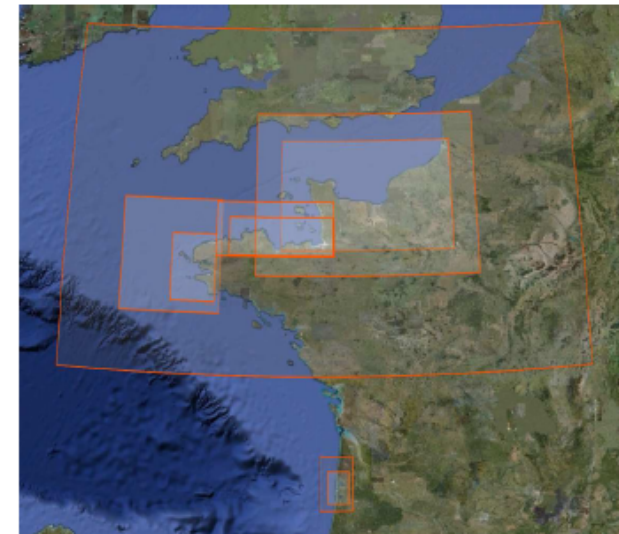
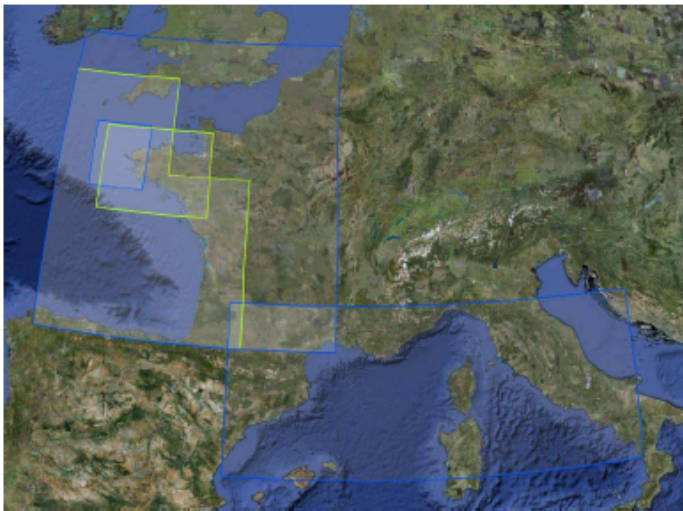
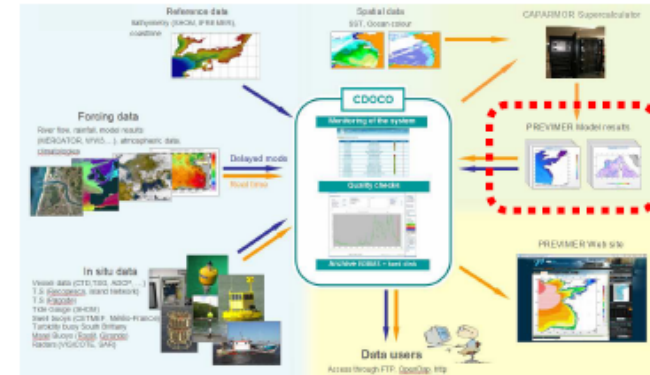
- In-situ campaigns, by IFREMER, CNRS/INSU & SHOM, in the Bay of Biscay and the Channel
- Realistic numerical simulations & process studies

# ❖ Data inventory

## Previmer Model results

10 forecasting models characterized by

- parameters (temperature, salinity, currents, sea-level, waves, ...)
- geographical area



# In addition :

Assimilation projects (nested models & in-situ obs) planned post 2012

AirSWOT : Possible joint interest with SMOS cal-val (late spring or summer cruises to detect freshwater signal).

+ Spanish contribution :

- 3 slope moorings (on the Basque and spanish side)
- IEO Santander group runs monthly cruises along  $3^{\circ}47'W$