

**I2C**  
**Integrated System for Interoperable sensors**  
**& Information sources**  
**For**  
**Common abnormal vessel behaviour detection**  
**& Collaborative identification of threat**

**LA FORCE ET LA MER**



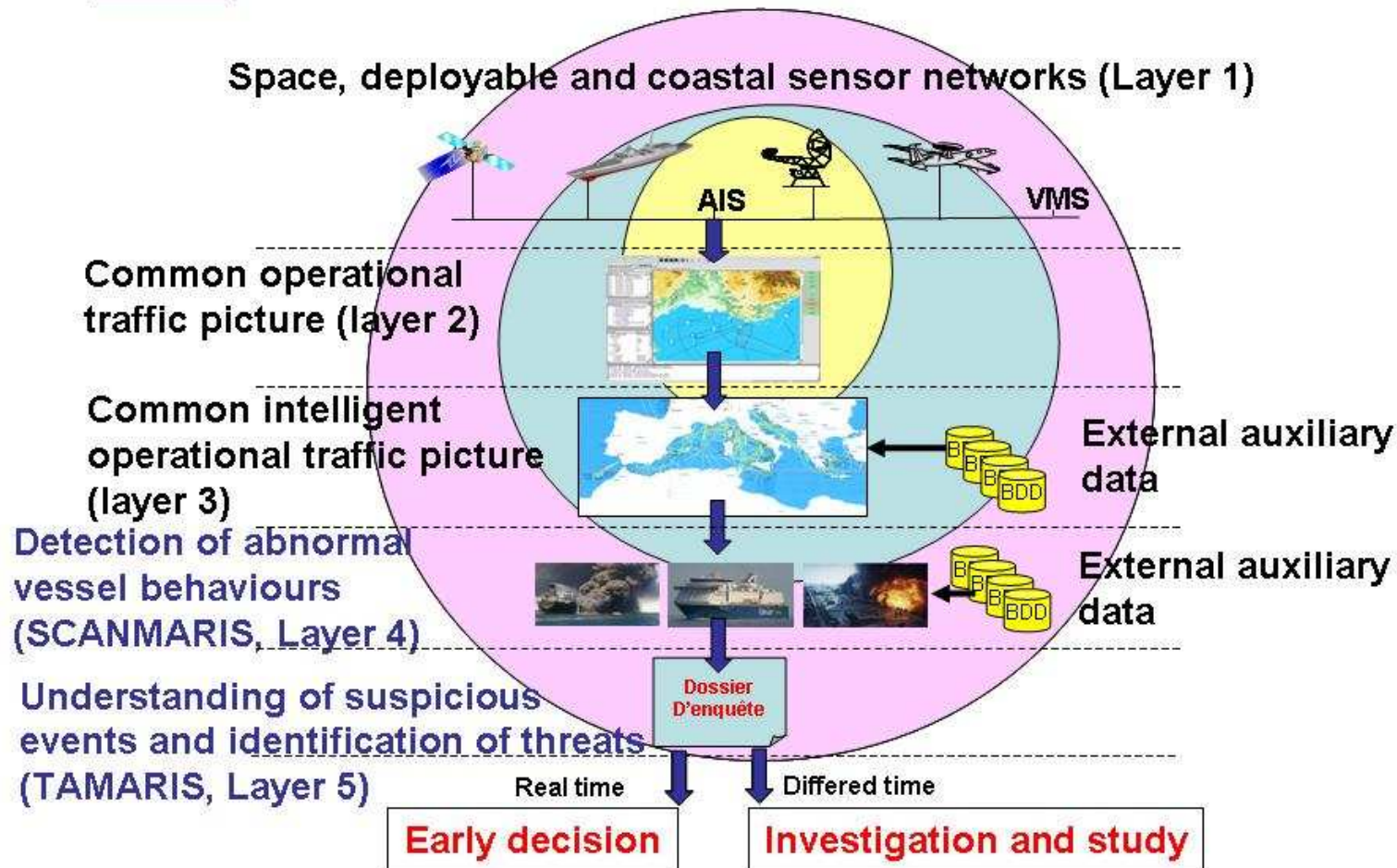
**Project in negotiation**  
**2010, May**

# I2C DATA

- **I2C** is a proposal to the FP7-SEC-2009-1, Intelligent surveillance and border security 3.2 Integrated project, Topic SEC-2009.3.2.2 Sea border surveillance system.
- **I2C** is in negotiation with EU and kick-off is anticipated before summer 2010.
- **I2C** is coordinated by DCNS (France) with 19 European beneficiaries (ROCKWELL COLLINS, FURUNO, SES-ASTRA TECHOM, KONGSBERG, SPACETEC, CLEAR PRIORITY, ZEPPELIN, METEOSIM, AJECO, AIRSHIPVISION, ECOMER, INTUILAB, SOFRESUD, HOOYDOOK Advocaten, ARMINES, IRIT, ONERA, JRC & DZR).
- **I2C** has a total budget of 15.962 M€ over 4 years.

# I2C LAYERS ARCHITECTURE

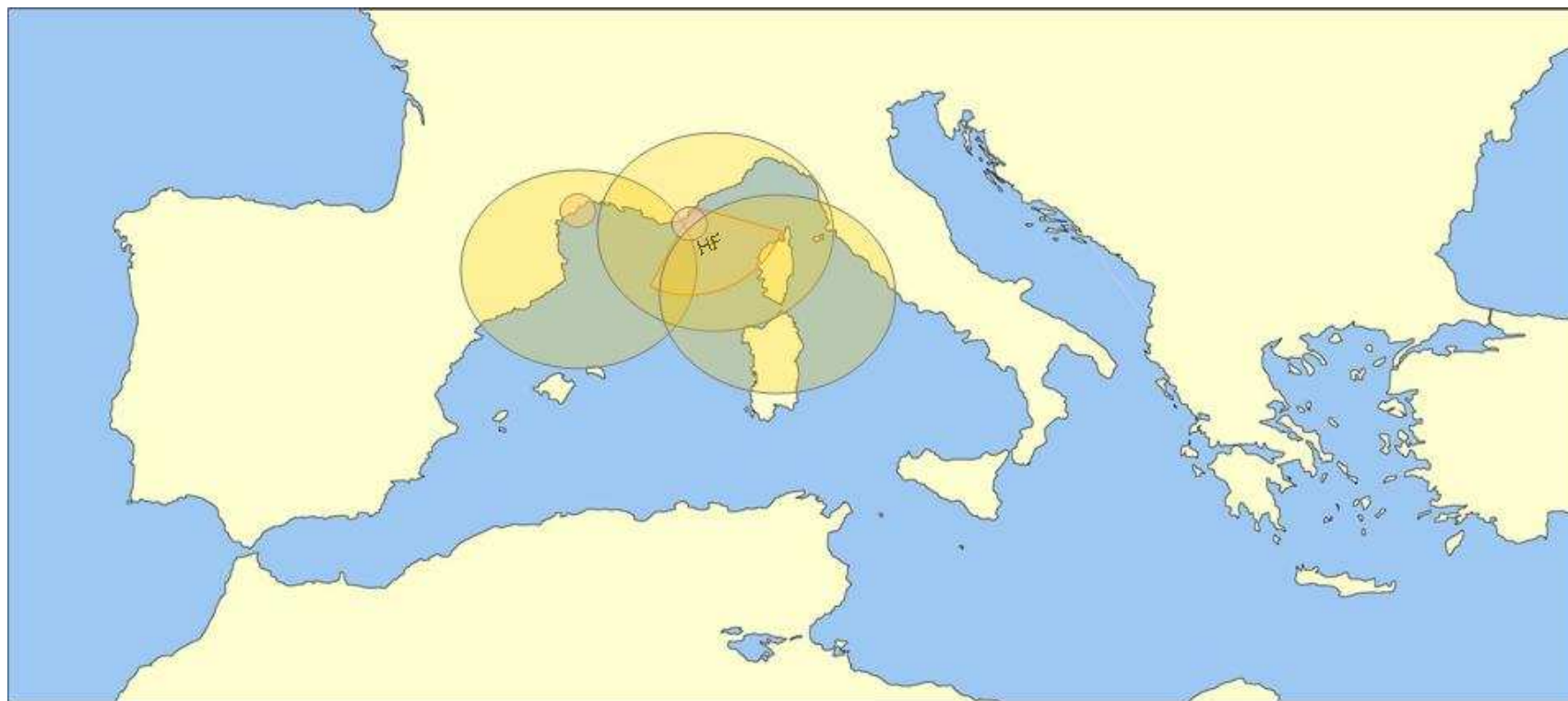
- SYSTEM IN OPERATION
- PLANNED IMPROVMENT
- FUTUR GENERATION IN 2015





## I2C INNOVATIVE CAPACITIES (2/2)

- **Capacity for common intelligent operational traffic picture** appending to vessel tracks information on performed activities, owners and flags, meteorological forecasts, regulations, black lists, etc.
- **Capacity to detect abnormal vessel behaviours** and issue automatically alarms to operator for validation. Detection bases on operational multi-criteria rules and inference engines.
- **Capacity** to understand suspicious event, **early identify threat** and issue periodically electronic standardised interpretation files to authorities for decision.
- **Capacity to transfer useful data** sets (i.e.; documented alarms, interpretation files, etc.) through communication network (VPN) based on Distributed Systems intercommunication Protocol (DSiP) and satellite Digital Video Broadcast technologies (DVB).

# I2C DEPLOYMENT & COVERAGE



-  I2C Radars (HF, conventional, FMCW) in St Mandier, Sete & Levant island sites
-  I2C AIS stations (Neoulos, Pic de l'Ours & Piana)



# I2C EXAMPLE OF COMMON INTELLIGENT OPERATIONAL TRAFIC PICTURE & ALARMS

