

### **SHOM MSDI**

## Hydrographic databases Portal & services

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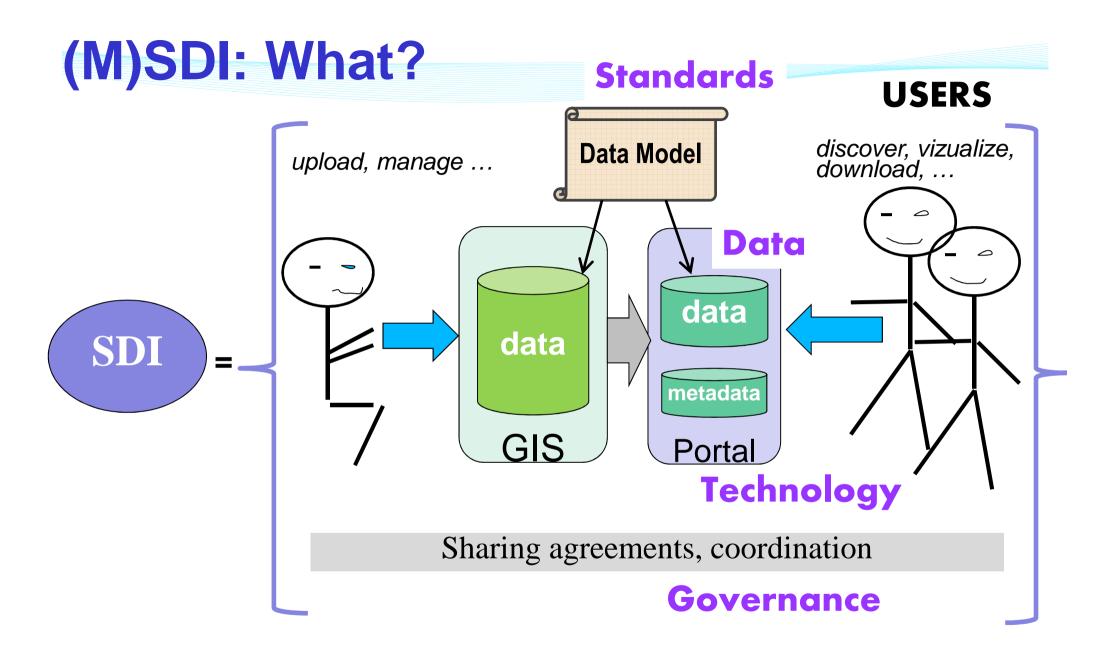
### From INSPIRE to SHOM MSDI

**SHOM MSDI – Hydrographic databases** 

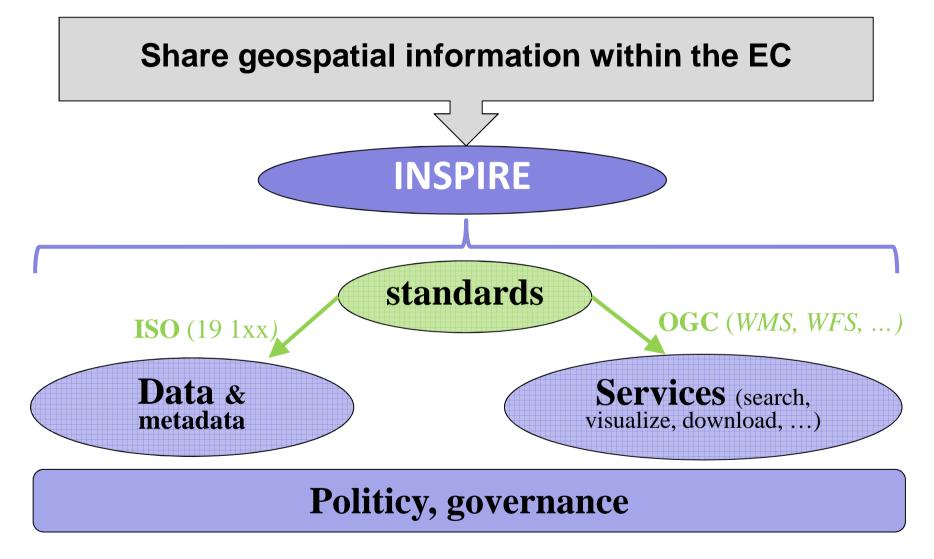
### SHOM MSDI – diffusion

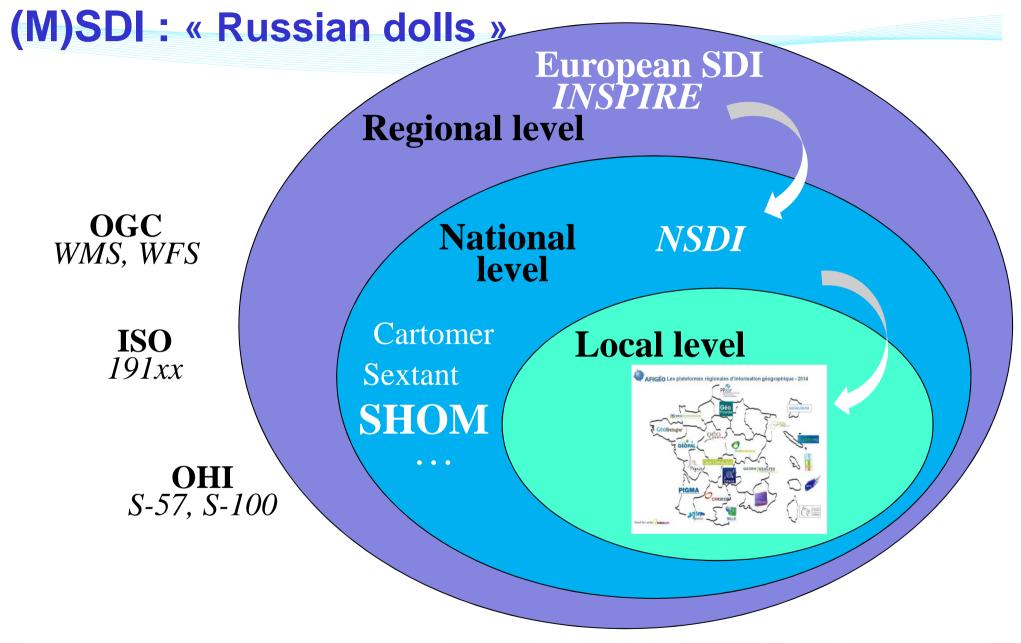
data.shom.fr portal: SHOM public platform for GIS data

- ✓ data.shom.fr : a platform for data dissemination
- ✓ Geographical web services
- ✓ Crowdsourcing and web mapping tools



### European SDI: INSPIRE





### From INSPIRE to SHOM MSDI

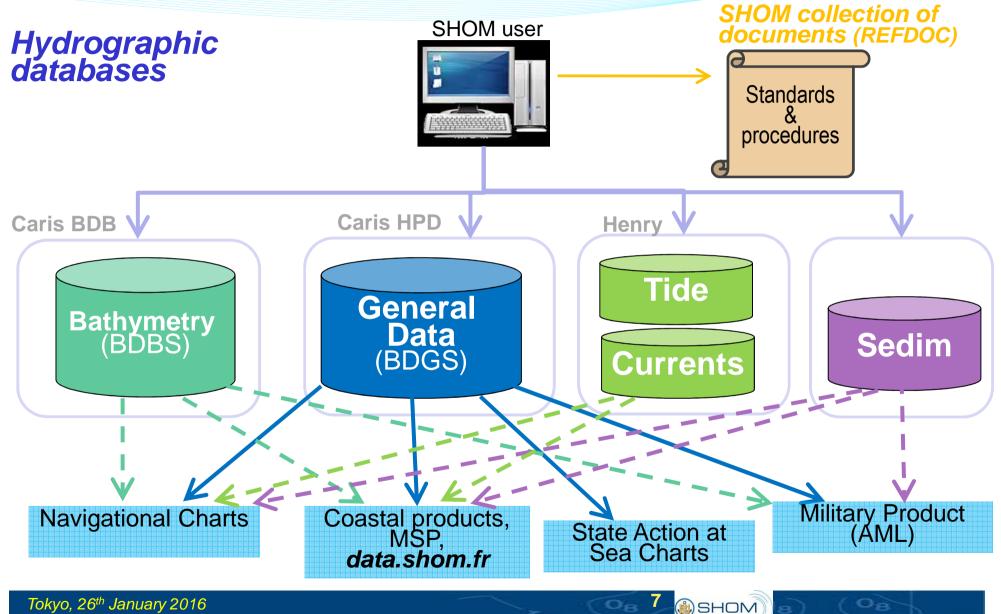
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SHOM MSDI – diffusion

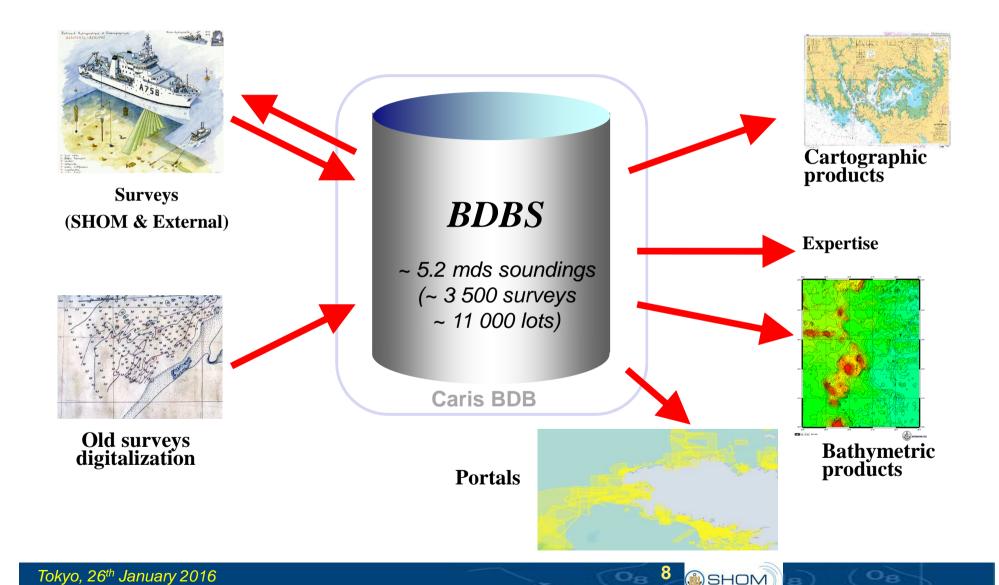
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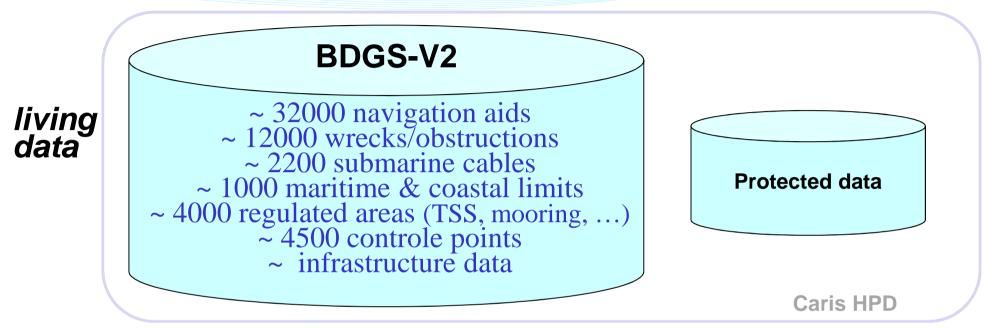
### SHOM MSDI: data centric (« make once use many »)



### The bathymetric database



## The General Hydrographic database (BDGS)



### A database managed as a product with specifications (within the SHOM collection of documents)

FAMBA	INFRA	<b>EPAVES</b>	CTRPNT	ZONREG	LIMAR	CABLES
Product Specifications						
NR2013-012	NR2013-016	NR2015-008	NR2015-004	NR2015-010	NR2015-019	NR2015-009

Exemple of data handled in the BDGS (1/3)
Regulated areas<sup>275</sup><sub>R</sub> <sup>39</sup> **General** data Chenal d'accès ZONREG Human activities areas: 36 Product Specifications - duming areas 42 - mooring NR2015-010 - incineration military areasoffshore production 16<sub>8</sub>R 97 41 \$ VQ(3)5s YB161 185 Navigational ways: 93 R TSS, fairways, ... 24 138 O.R 13<sub>2</sub> No 2 116 Depôt d'explosifs Ile:Ti Saoson Réservé Le Pot de Fer 138 Réservé 10g (6<sub>2</sub>)<sub>R</sub> Bloscon

Q(9)WR.15s Le Menk+ 6m6/4M YBY 02 3 \*

Pareau des Du 146

Notre-Dame de Bon Secours

Bloscon

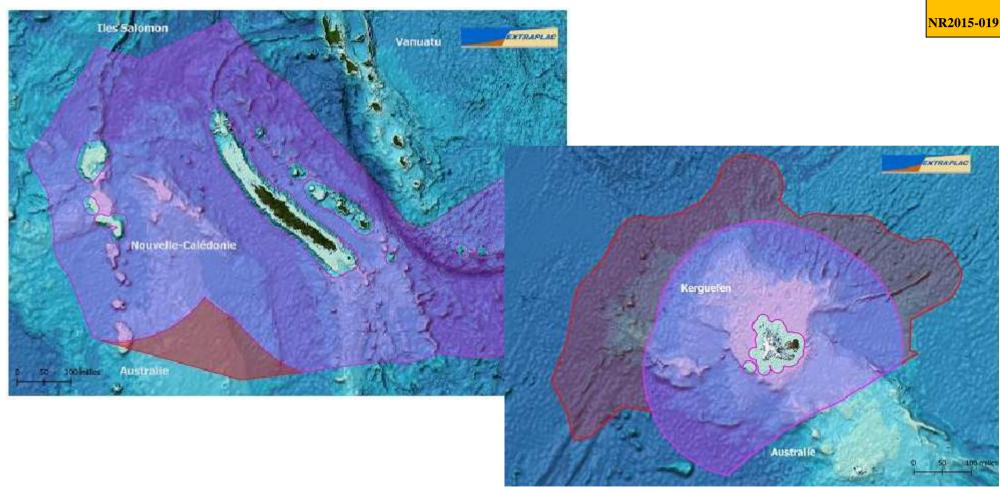
FI.WG.4s9m 2s(par brume)

## Exemple of data handled in the BDGS (2/3)

### General data

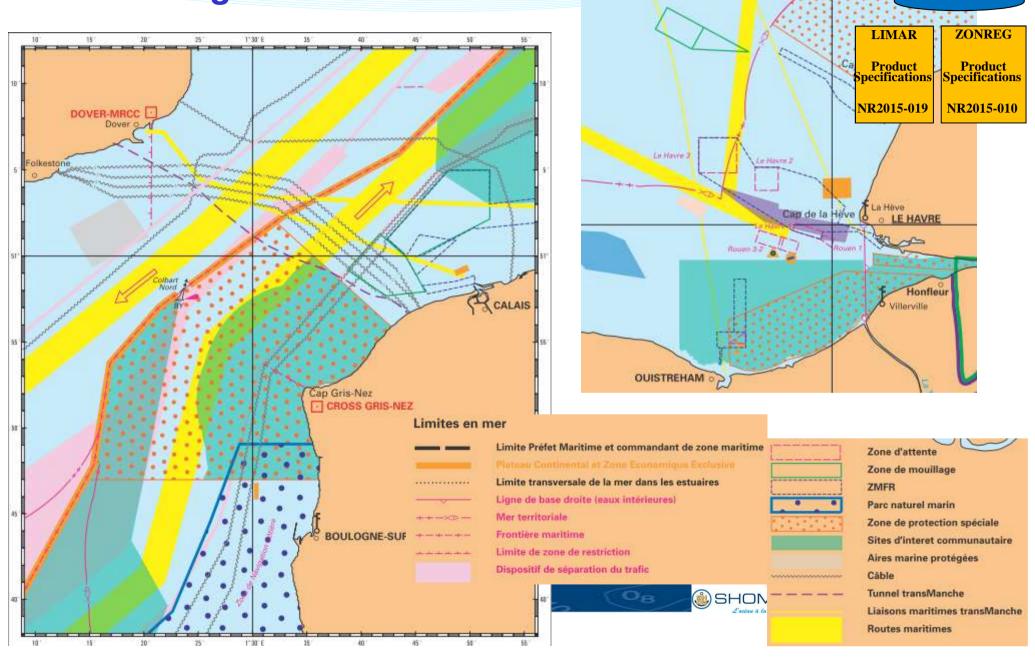
### Limits of the French continental shelf





Exemple of data handled in the BDGS (3/3)

Human usages and activities



General data

### From INSPIRE to SHOM MSDI

SHOM MSDI – Hydrographic databases

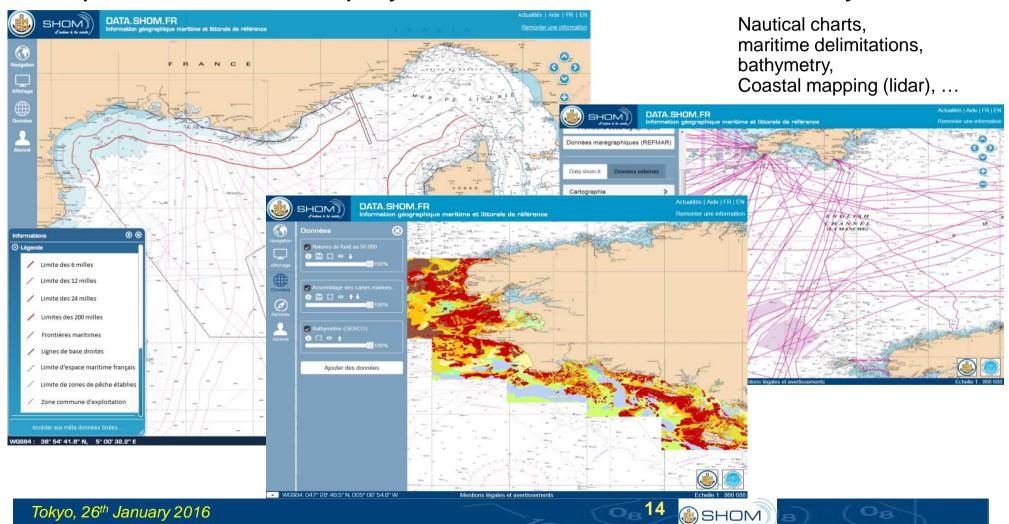
## **SHOM MSDI – diffusion**data.shom.fr portal : SHOM public platform for GIS data

- √ data.shom.fr: a platform for data dissemination
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### data.shom.fr: a platform for data dissemination (1/2)

### → Maritime and littoral geographical information on-line

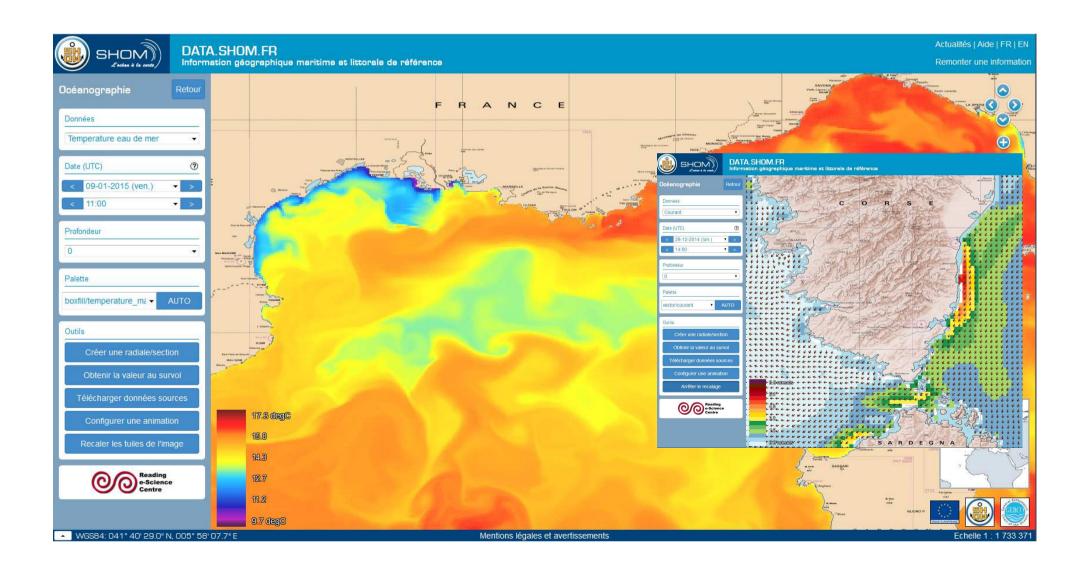
The portal allows to display and download more than 50 layers



### data.shom.fr: a platform for data dissemination (2/2)

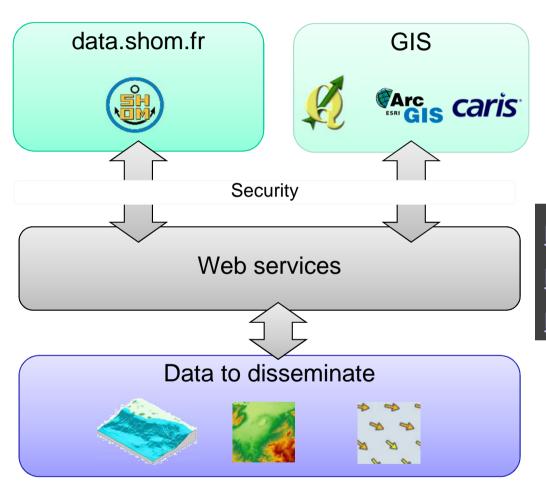
### → Oceanic forecast

Temperature, salinity, waves, currents (ncWMS) in Open Data



### **Geographical Web Services** (1/2)





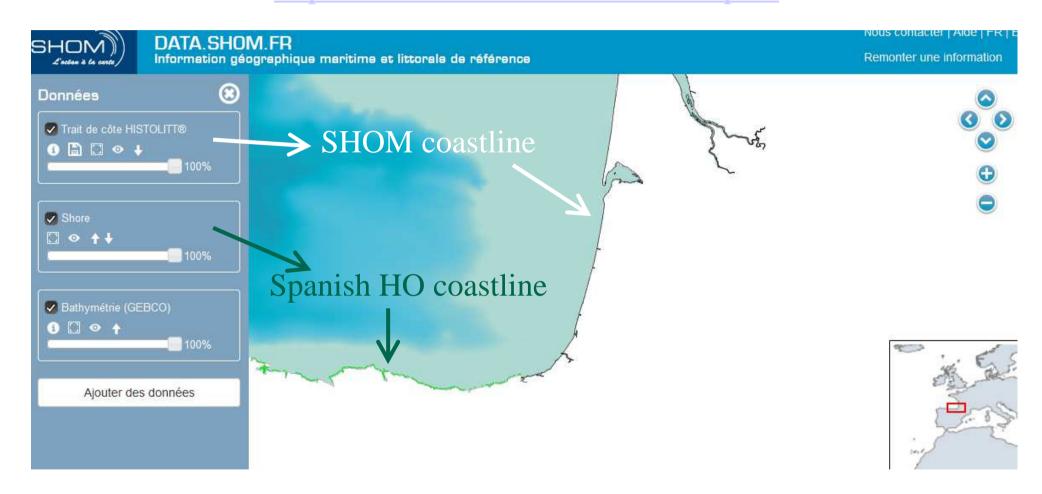
### http links:

http://services.data.shom.fr/INSPIRE/wms/r
http://services.data.shom.fr/INSPIRE/wmts
http://services.data.shom.fr/INSPIRE/wfs

### **Geographical Web Services** (2/2)

### Co-visualizing external data on data.shom.fr

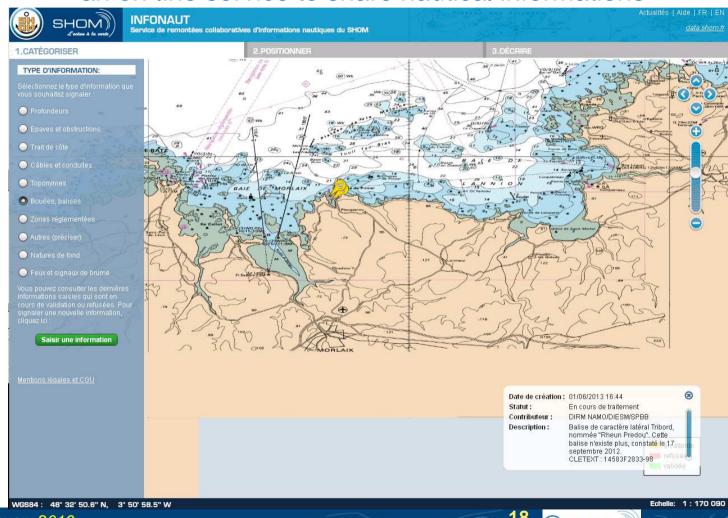
Example: vizulazing the spanish coastline from the spanish HO service at <a href="http://ideihm.covam.es/wms/costaspain">http://ideihm.covam.es/wms/costaspain</a>



### Crowdsourcing and web mapping tools (1/2)

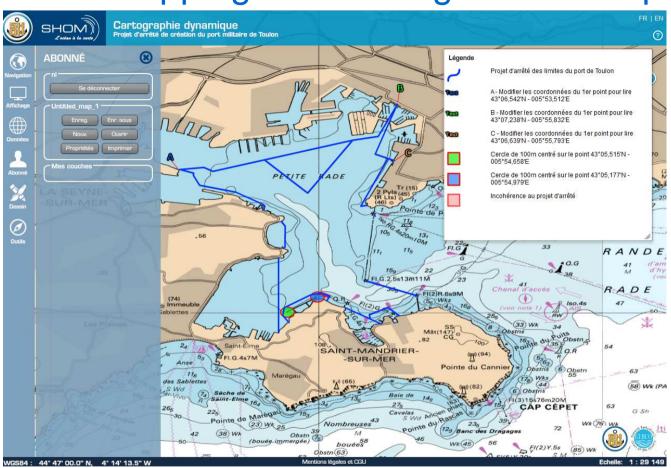
## Crowdsourcing service: INFONAUT infonaut.data.shom.fr

an on-line service to share nautical informations



### Crowdsourcing and web mapping tools (2/2)

# Cartodyn (cartodyn.data.shom.fr) A web mapping service to generate maps



discuss.data.shom.fr: composing your own map together

## Thank you for your attention