

Thanks to GFCM for welcoming us



















First Regional Symposium on Sustainable Small-Scale Fisheries 27 – 30 November 2013, St. Julian's Malta



How CLS may help in Small Scale Fisheries Challenge?

http://www.cls.f







Created in 1986 – Branch of CNES & IFREMER
International network: 16 offices and subsidiaries
Above 470 employees at different points around the world







1



Collecte Localisation Satellites (CLS)

• Created: 1986 - Operator of the Argos System

- Shareholders: CNES (57%) and Ifremer (15%)
- Locations: Toulouse, France + 16 offices & subsidiaries worldwide
- Staff: 480 people worldwide
- *Turn-Over*: 85 M€ (2012)
- ·Core activities:
 - Commercial operation of satellite systems for positioning, data collection, ocean observation and radar surveillance
 - Developing added-value applications and services based on satellite remote-sensing data:
- · Sectors of activity:
 - · environmental surveillance,
 - sustainable management of marine resources,
 - · maritime security,
 - · oil and gas;

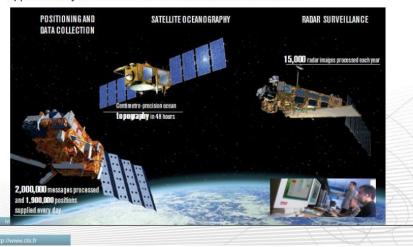


Satellites data

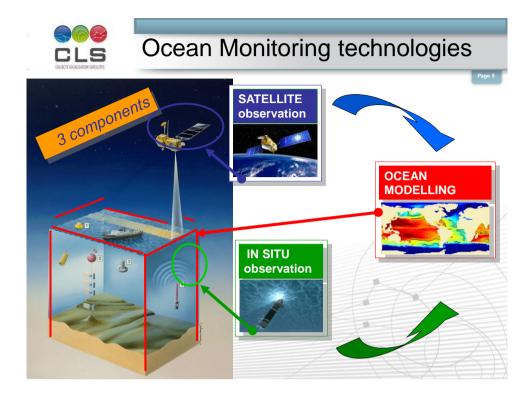
24/7 operations

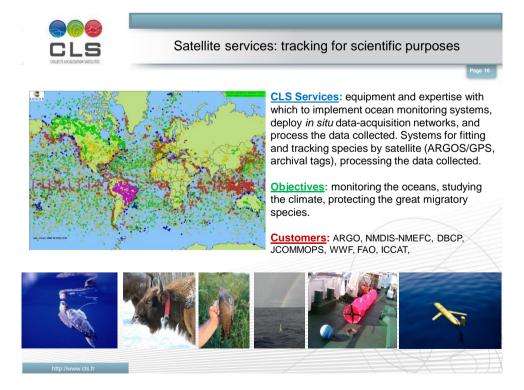


Receiving, processing, validating, distributing and archiving data from approximately 80 instruments carried on almost 40 satellites



2





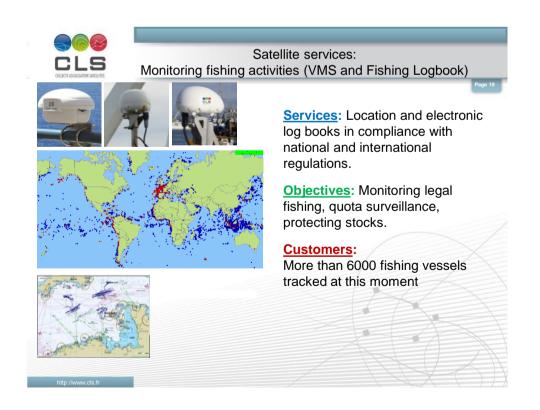


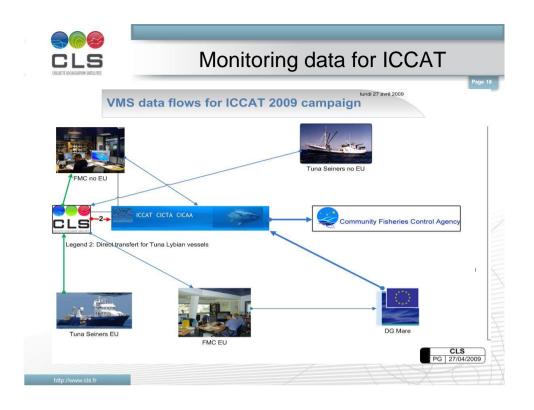
VMS: Vessel Monitoring System

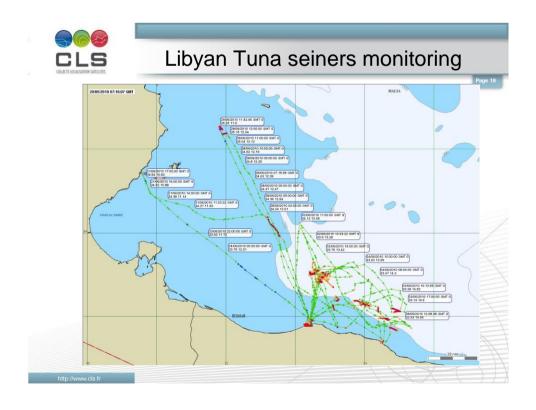
Most of the world countries have or will imposed their industrial fishing fleet to equip their vessels with a satellite transponder, which emits a GPS location with speed and heading at fixed interval.

Fisheries Monitoring Centres (FMC) receive, process and display this information so to monitor and control the fishing activity.







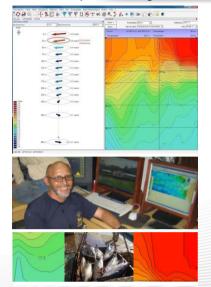








Satellite services: supporting local fishing activities, preserving fish resources and economic development



Service:

Provision of real time and very accurate ocean and weather data, directly on board.

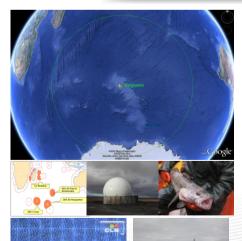
Objective:

Improving safety for sea-borne operations,



Satellite services: combating illegal fishing





Services: high-resolution satellite-based radar imagery.

<u>Objectives</u>:, reducing the cost of sea-borne monitoring operations.

<u>Success story</u>: Patagonian Toothfish (Chilean sea bass) saved.



Satellite services: operating the Cospas/Sarsat alarm system for the French authorities

Page 19



<u>Services</u>: Since 1997, CLS has been responsible for issuing alerts on behalf of the Cospas-Sarsat French Mission Control Centre (FMCC).

Objectives: The State's mission to provide search and rescue services on land, sea and in the air.

Customers:

The French Maritime Affairs Directorate (DAM).

The French Civil Aviation Authority (DGAC).

1/ TYPE D'ACCIDENT/ MARITHE

28/05/2012 à 1849 UTC
ANTE ET HEURE DE ETETCITOR BALISS:
ANTE ET HEURE DE JETC-LOCALISATION BALISS: 28/05/2012 à 1849 UTC
ANTE ET HEURE DE JETC-LOCALISATION BALISS: 28/05/2012 à 1852 UTC
ANGLE 3004 PAR GOSPÁGI-SARATI PREMIERE ET SEULE ALERE.

3/ LIEU DE L'ACCIDENT (AT AND LONG): 49'29'N 001'05'N (Est Cotentin, St Marcouf)

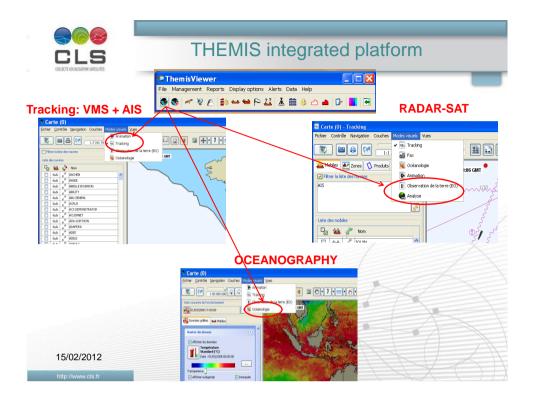
4/ IDENTIFICATION: FYF VIDENTET : C/S FF784'

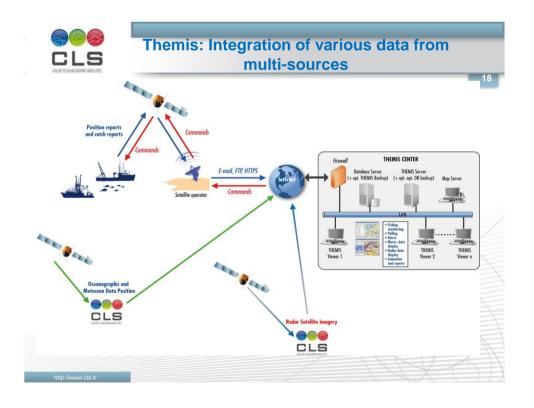
5/ CIRCONSTANCES DE L'ACCIDENT: NAMPRAGE proche des côtes du Cotentin.

6/ NOMERE DE PERSONNAS:
--ONTENUNCES: 1
--OCCIDENT: 1

7/ AUTRES INFORMATIONS UTILES: Balise enregistrée en base de données.
MECC Coordonnateur: MRCC GRIS MEZ.









MOVIMAR - Small Scale Fisheries project











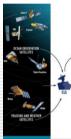


Services: Satellite-based fishery monitoring system and cyclone warnings,

Objectives: Improving the safety of Vietnamese fishing crews at sea and assisting with the sustainable management of marine resources.

Ministry of Agriculture and Sustainable Development.

3000 vessels carrying location and data collection transmitters.







Solutions for Small scale fisheries

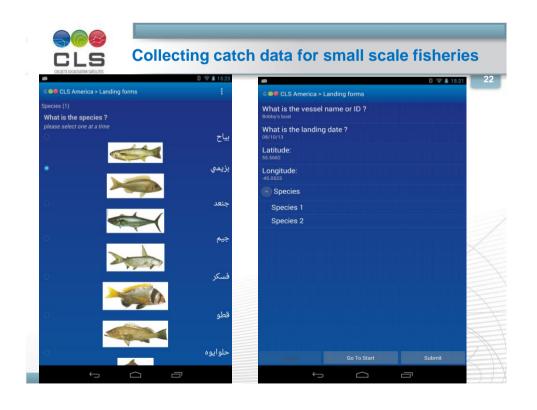
Small scale fisheries equipment is definitely our next decade challenge

VMS regulations & recommendations give a legal frame to fleets over 12 m

But Small scale fisheries keep today out of legal scope

Thanks to GFCM for allowing some trials in this environment







CLS aside **GFCM**

23

CLS is keen to participate actively in this major challenge, with Small Scale Fisheries actors, in: (no limitative)

- Data collecting platform
- Trial periods
- Consultancy
- Types of Terminal

http://www.cis.fr



Thank you for your attention



Any question or note will be very welcome at:

pgirard@cls.fr

In case of emergency...or not...feel free to call,



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