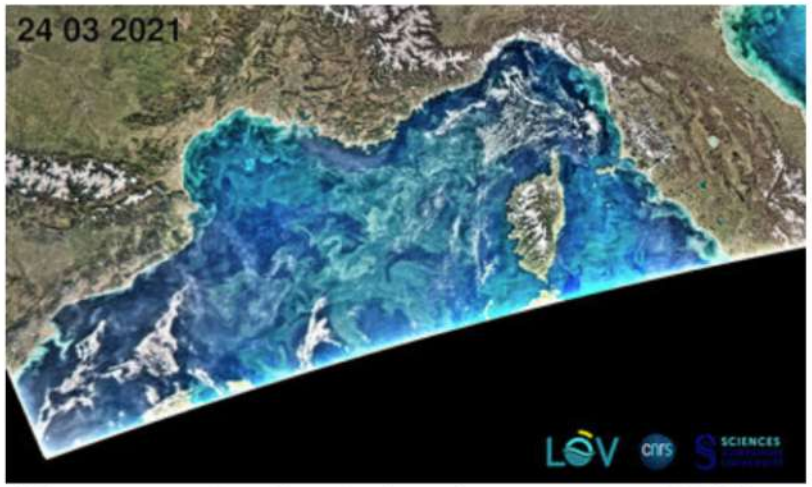
https://www.odatis-ocean.fr/activites/consortium-dexpertise-scientifique/ces-couleur-de-locean

➔ Atelier#1 2019

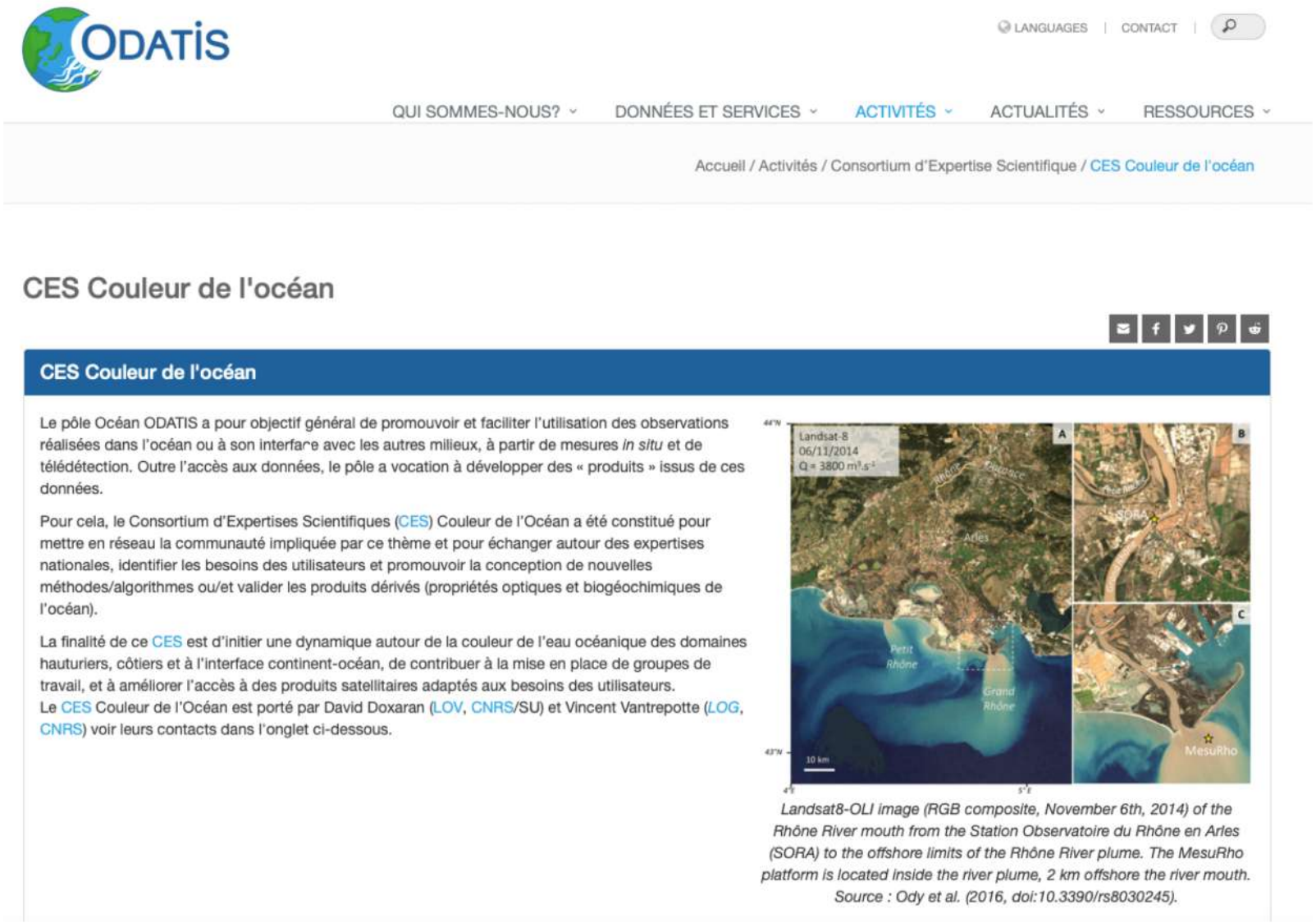
➔ Atelier#2 2020

➔ Atelier#3 2022



Efflorescence printanière de phytoplancton, capteur MODIS, en mer Méditerranée, le 24 mars 2021. Crédits F. D'Ortenzio, LOV.

➔ **Expression des besoins HR & MR**



Landsat8-OLI image (RGB composite, November 6th, 2014) of the Rhône River mouth from the Station Observatoire du Rhône en Arles (SORA) to the offshore limits of the Rhône River plume. The MesuRho platform is located inside the river plume, 2 km offshore the river mouth. Source : Ody et al. (2016, doi:10.3390/rs8030245).

Expression des besoins HR (30 m)

Rrs (multi-AC), IOPs, MES, Chla, POC, CDOM, DOC (+ paramètres forçages)

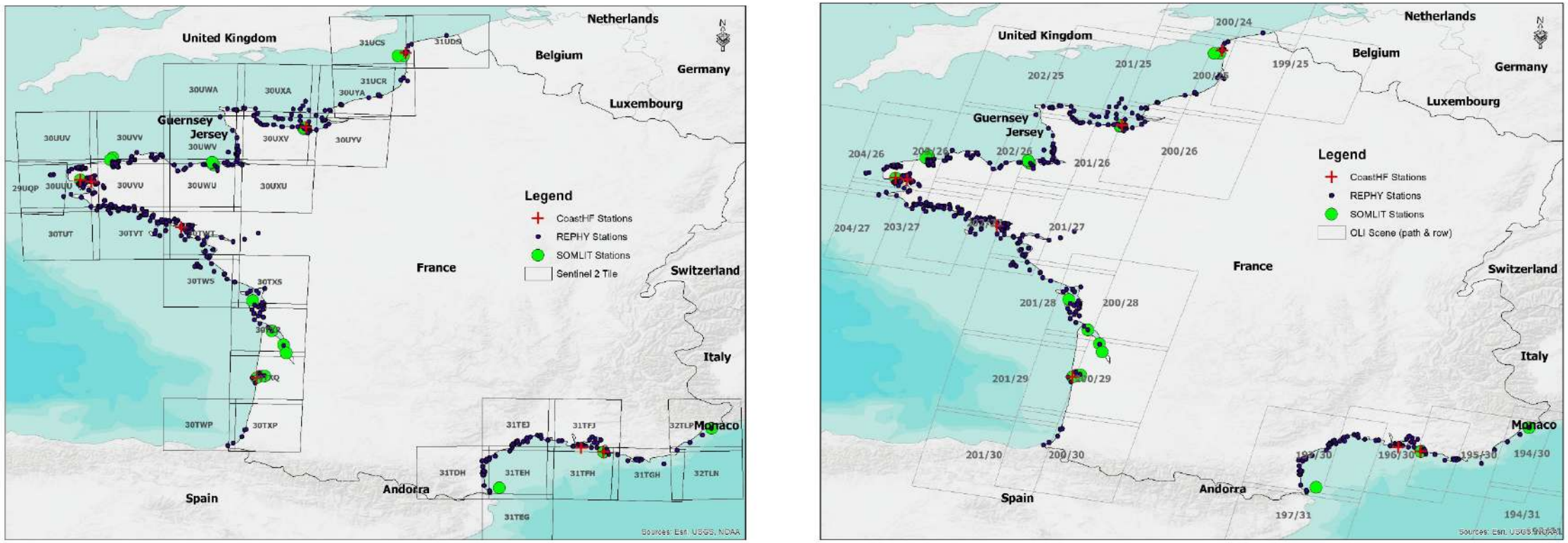


Figure 1. Distribution des tuiles Landsat8-OLI et Sentinel2-MSI le long des côtes françaises. La distribution des stations de mesures du SNO (SOMLIT + REPHY+COAST-HF) est illustrée.

Expression des besoins MR

Rrs (multi-AC), IOPs, MES, Chla, POC, CDOM, DOC

➔Séries temporelles depuis 2000 à 300 m

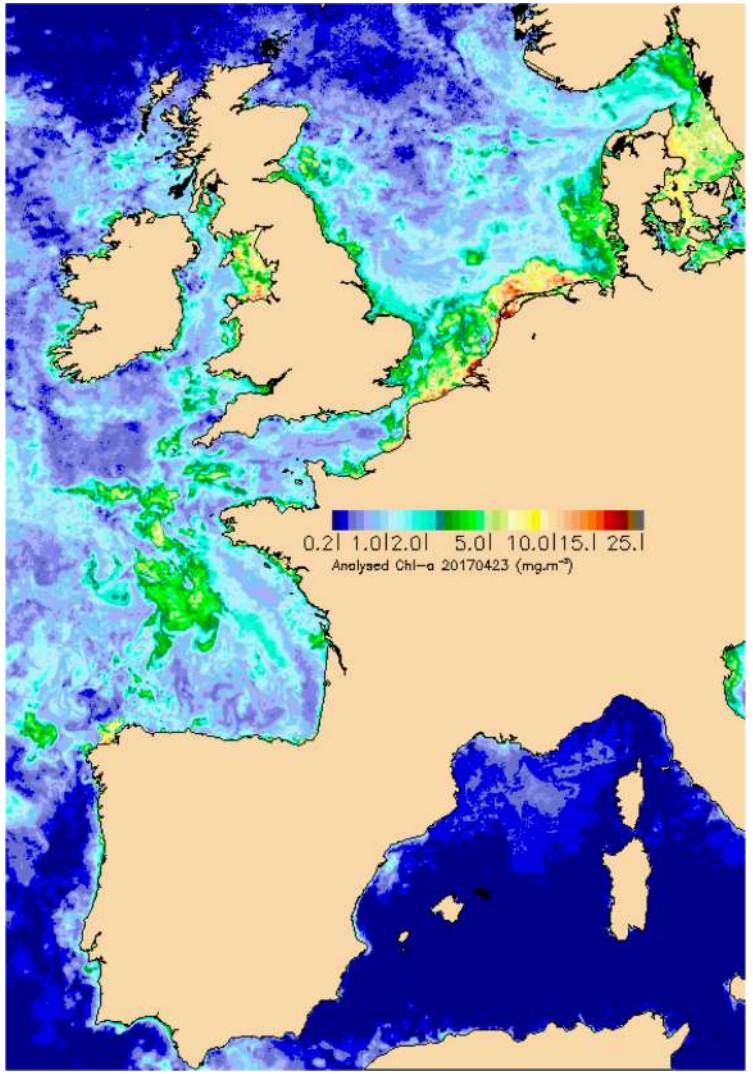
Globcolour et **OC-CCI :** résolutions 1 et 4 km insuffisantes

CMEMS-MR: 300 m depuis 2016

sextant.ifremer.fr : produits multi-capteurs, 1200 m
100 m des côtes

<u>Un outil précurseur</u> :

Kalicôtier (MERIS-FR 300 m, 2003-2012)



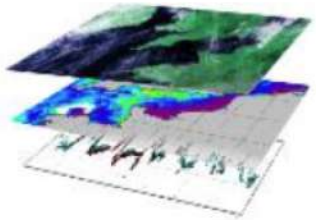
Kalicôtier

Ocean color remote-sensing archive on coastal sites

GIS Couleur de l'océan

About the project

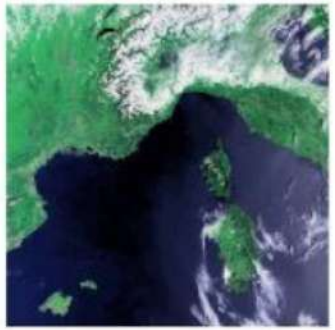
Kalicôtier is an ocean colour data server dedicated to the study of coastal regions of major oceanographical interest. The goal is to provide extensive datasets of ocean colour remote-sensing data together with in situ measurements and related publications, on dedicated coastal sites. Each site is managed in partnership with a researcher of the scientific community locally involved in the region, who insures relevance and update of the information.



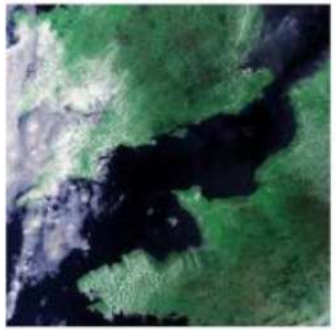
The current version of Kalicôtier is in demonstration mode with the MERIS Full Resolution (300m) archive on five coastal sites. For any comment or feedback, please e-mail us at kalicotier@gis-cooc.org.

Data Access

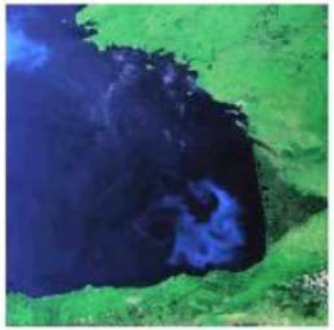
Ligurian Sea



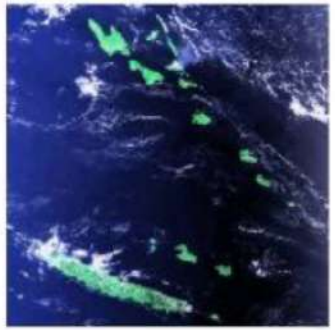
English Channel



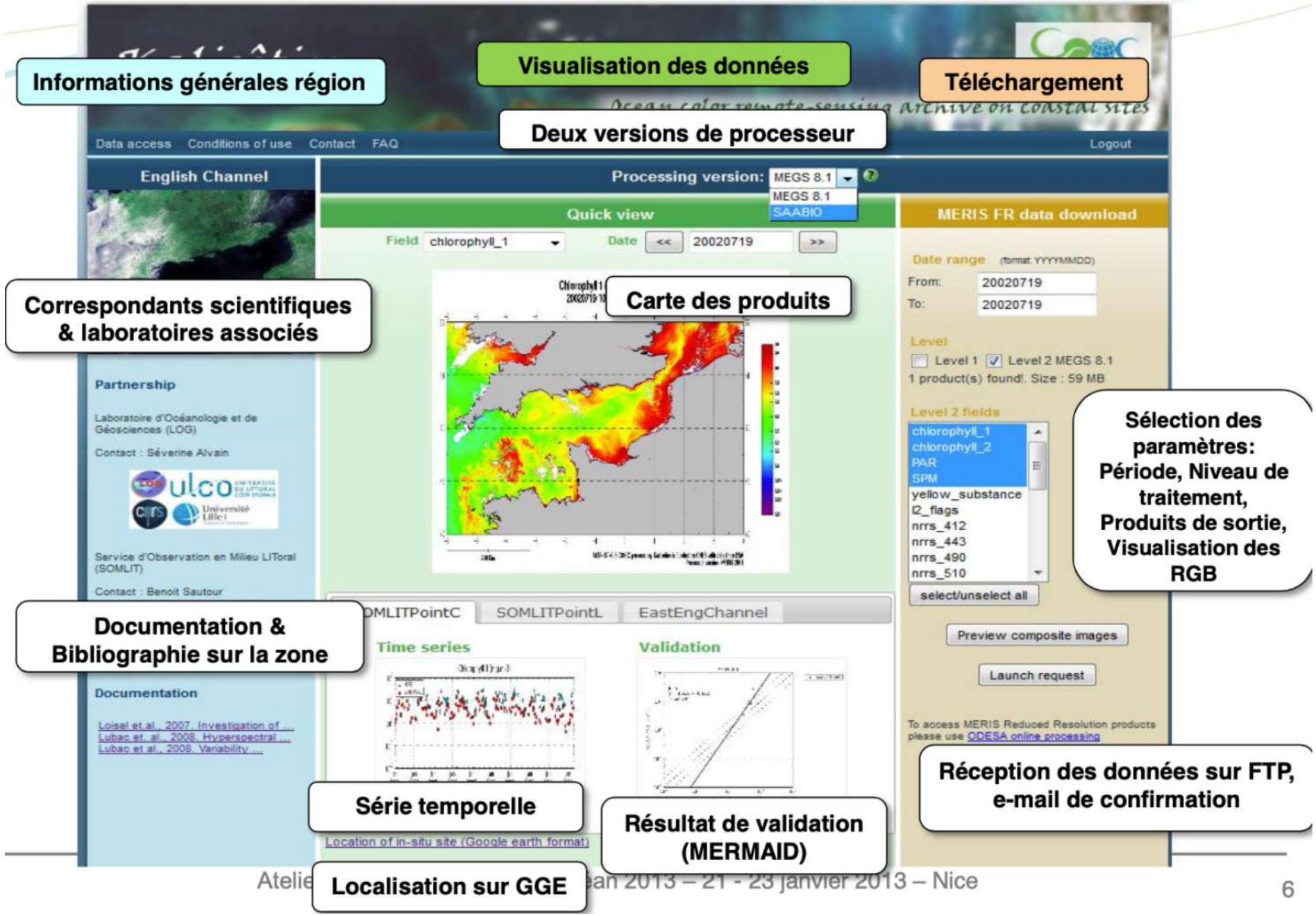
Bay of Biscay



New Caledonia - Vanuatu



Mekong - South Vietnam


Informations générales région
Visualisation des données
Téléchargement
Deux versions de processeur
Correspondants scientifiques & laboratoires associés
Carte des produits
Sélection des paramètres: Période, Niveau de traitement, Produits de sortie, Visualisation des RGB
Documentation & Bibliographie sur la zone
Réception des données sur FTP, e-mail de confirmation
Série temporelle
Résultat de validation (MERMAID)
Localisation sur GGE
Data access
Conditions of use
Contact
FAQ
Logout
English Channel
Processing version:
MEGS 8.1
SAABIO
Quick view
MERIS FR data download
Field
chlorophyll_1
Date
20020719
Partnership
Laboratoire d'Océanologie et de Géosciences (LOG)
Contact : Séverine Alvain
Service d'Observation en Milieu LIToral (SOMLIT)
Contact : Benoit Sautour
Documentation
Loisel et al., 2007. Investigation of ...
Lubac et. al., 2008. Hyperspectral ...
Lubac et al., 2008. Variability ...
Date range
From:
To:
Level
Level 1
Level 2 MEGS 8.1
1 product(s) found!. Size : 59 MB
Level 2 fields
chlorophyll_1
chlorophyll_2
PAR
SPM
yellow_substance
l2_flags
nrrs_412
nrrs_443
nrrs_490
nrrs_510
select/unselect all
SOMLITPointC
SOMLITPointL
EastEngChannel
Time series
Validation
Preview composite images
Launch request
To access MERIS Reduced Resolution products please use ODESA online processing
Location of in-situ site (Google earth format)

Expression des besoins MR

Rrs (multi-AC), IOPs, MES, Chla, POC, CDOM, DOC

➔ Séries temporelles depuis 2000 à 300 m (MODIS-A, MERIS, OLCI, VIIRS?)

➔ Validations locales (SNO IR-ILICO)

Produits satellitaires : réflectance multi-spectrale de l'eau (corrections atmosphériques : POLYMER, ACOLITE et SeaDAS : (MUMM et NIR-SWIR)), les propriétés optiques inhérentes (IOPs), Kd, turbidité, concentrations en MES et Chla, CDOM, POC et DOC).

Séries temporelles : MODIS-Terra 250 m (depuis 2000) et MODIS-Aqua 250 m (depuis 2002), combinées aux mêmes produits satellitaires MERIS (2003 à 2012) et OLCI (depuis 2016).

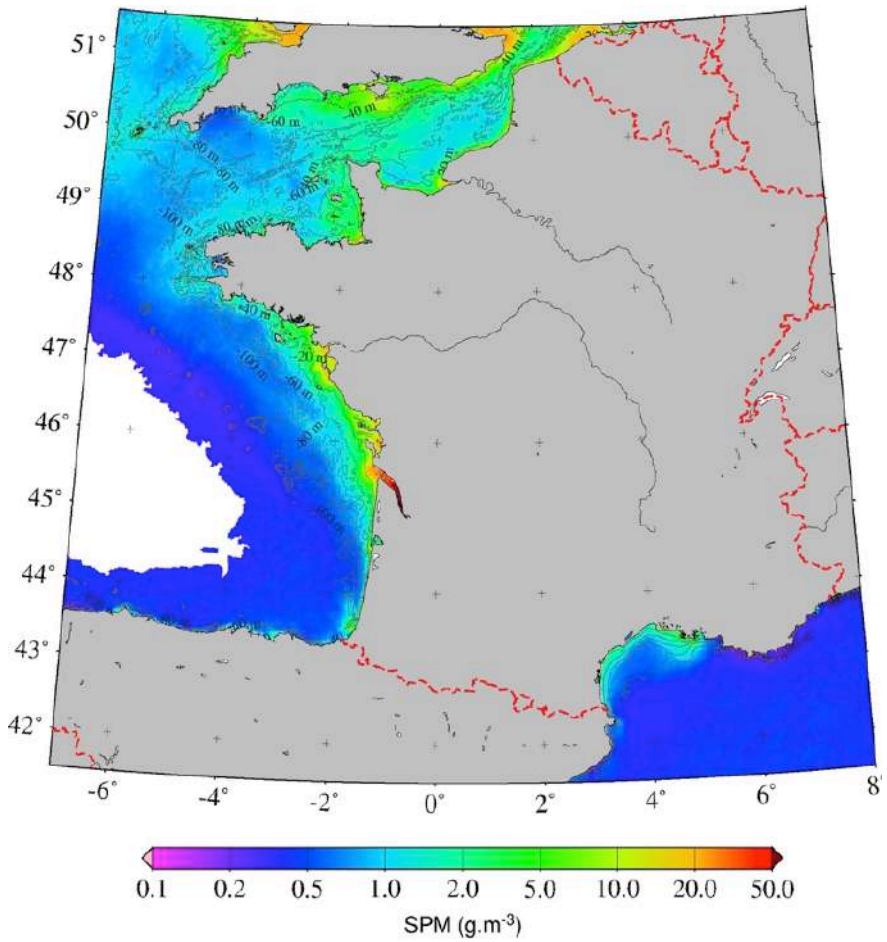
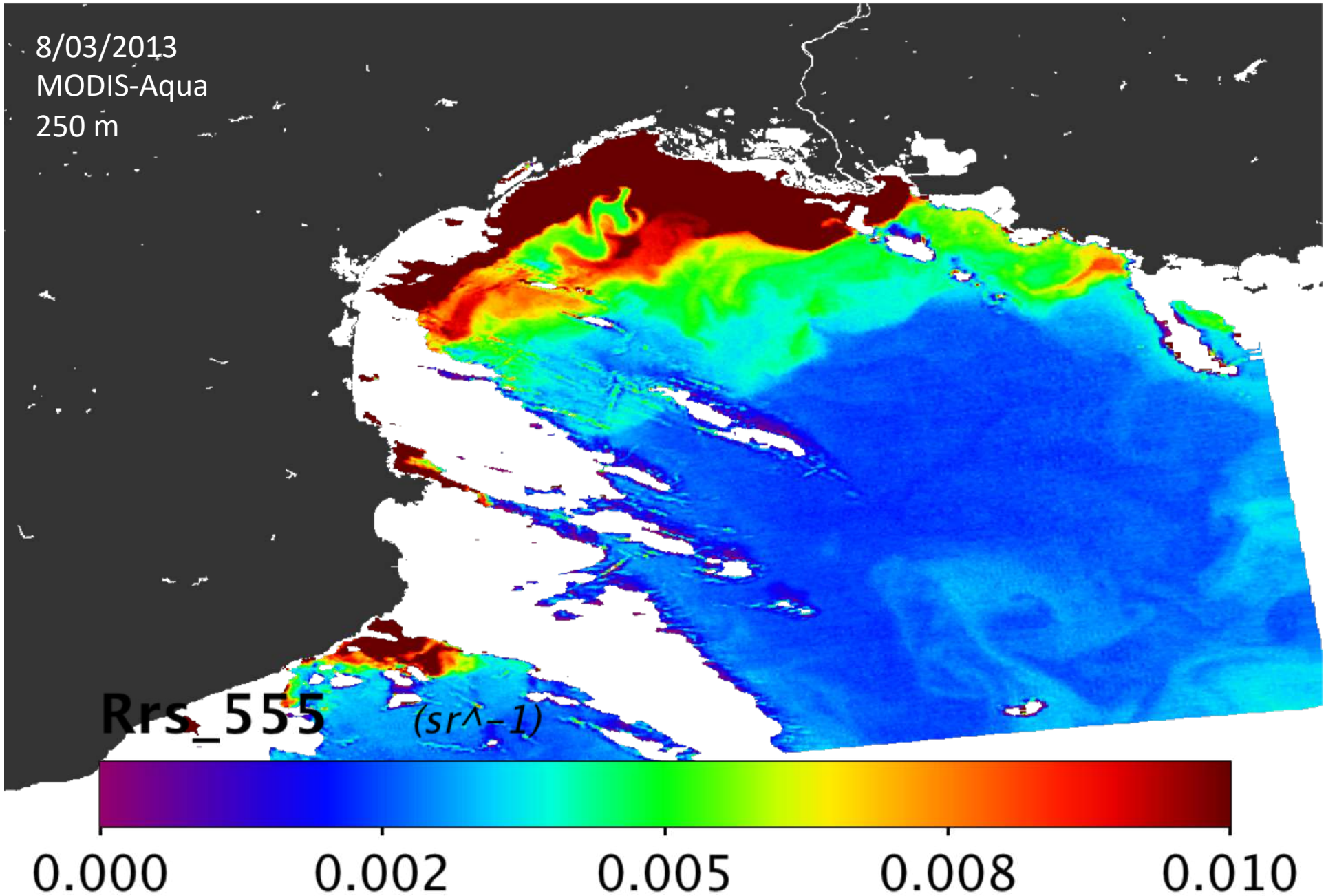
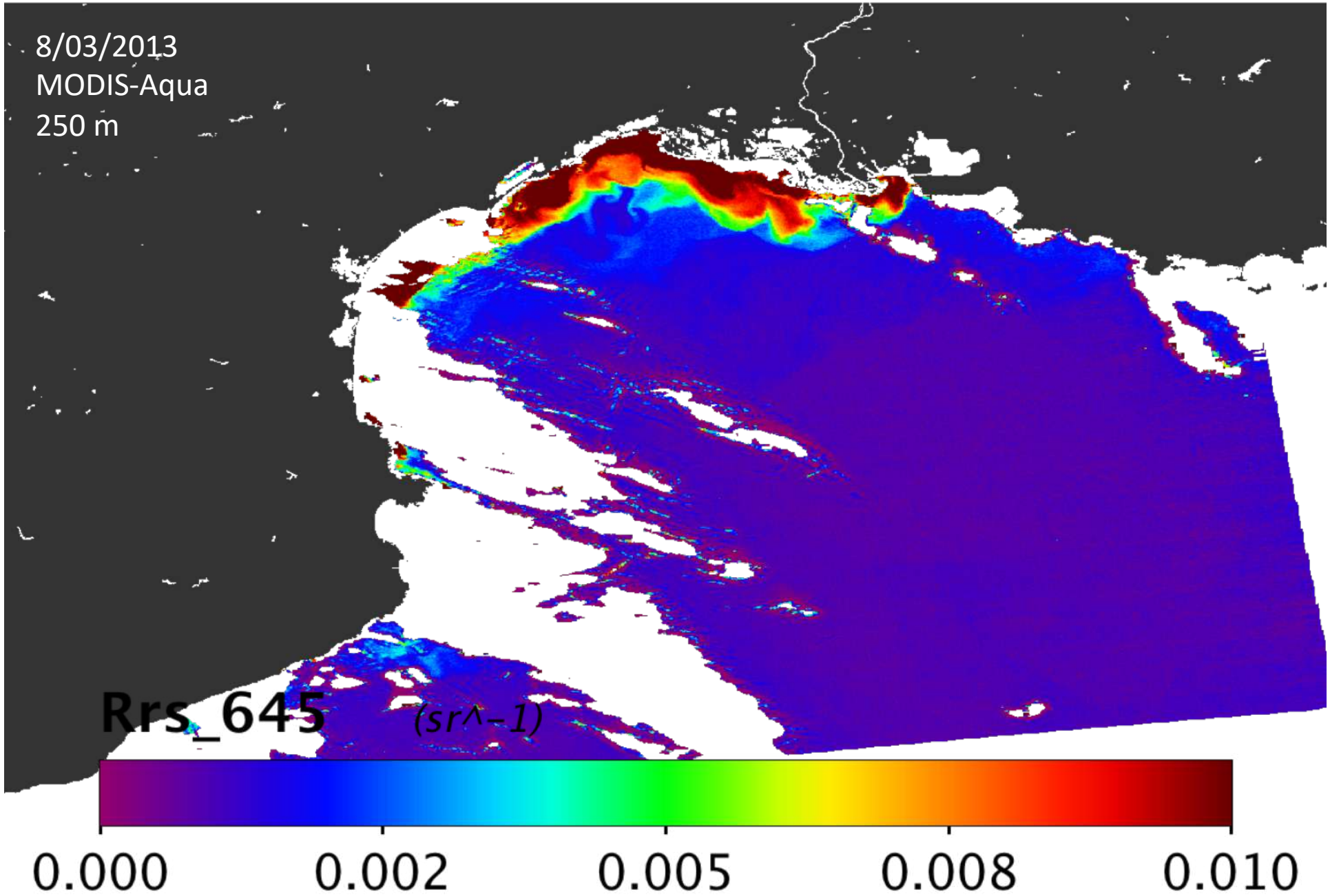
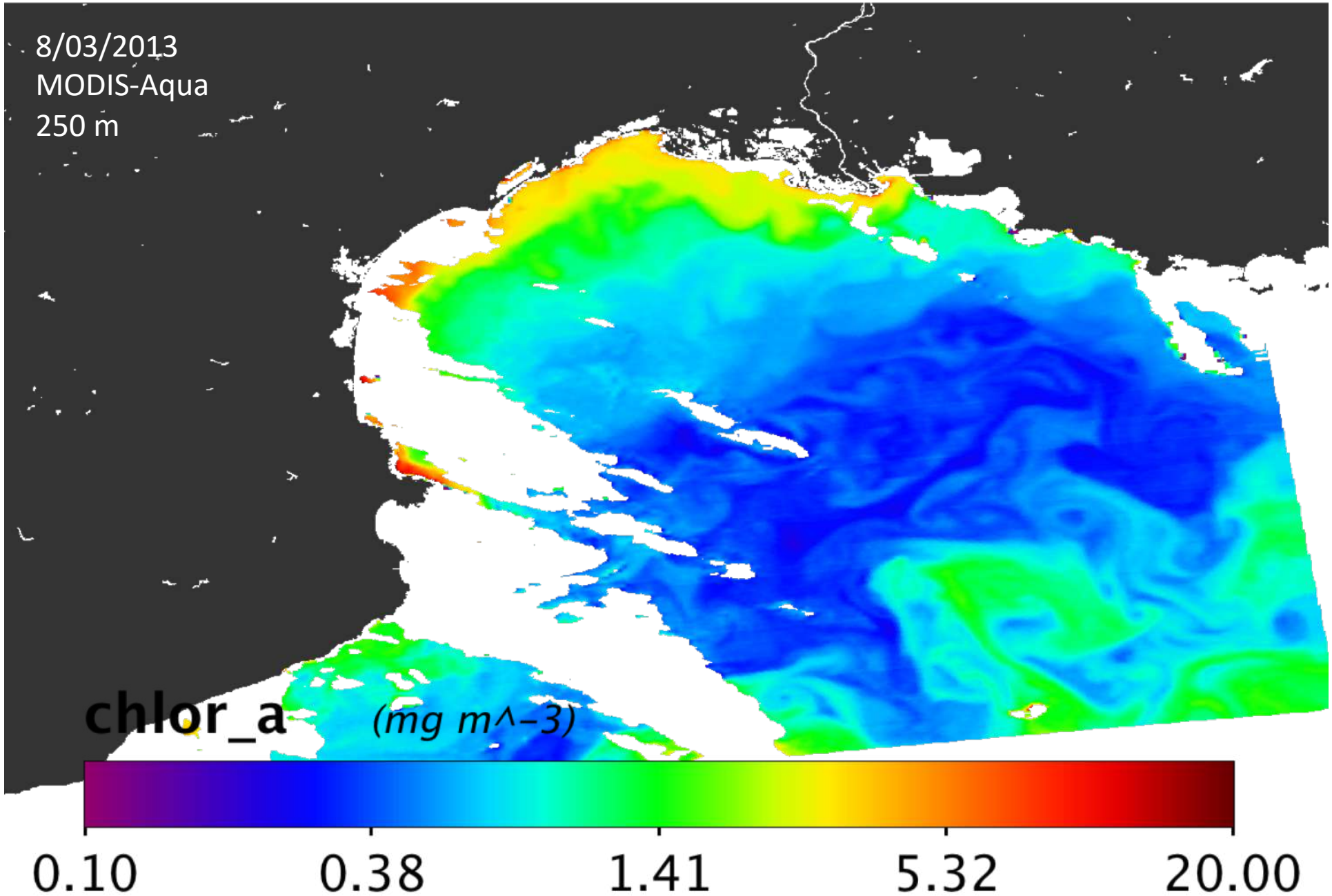


Figure 2. Emprise spatiale des données MR pleine résolution (MODIS, MERIS, OLCI) souhaitées.


8/03/2013
MODIS-Aqua
250 m
Rrs_555 (sr^-1)
0.000
0.002
0.005
0.008
0.010


8/03/2013
MODIS-Aqua
250 m
Rrs_645 (sr^-1)
0.000
0.002
0.005
0.008
0.010


8/03/2013
MODIS-Aqua
250 m
chlor_a
(mg m^-3)
0.10
0.38
1.41
5.32
20.00