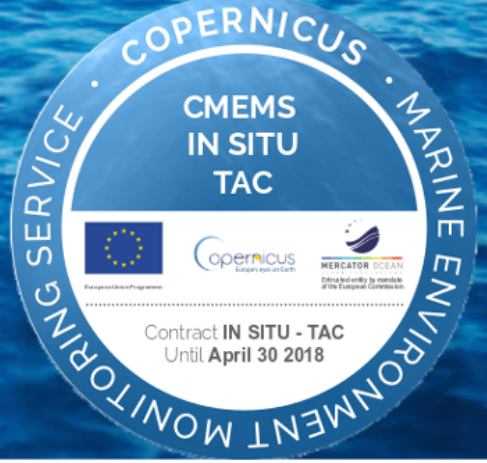


mercator-ocean.eu
marine.Copernicus.eu

In Situ Thematic Assembly Centre for Marine Service

Communication & training activities

C. Troupin (SOCIB), A. Chalkiopoulos (HCMR),
F. Manzano (Puertos del Estado)

Co-funded by the Horizon 2020 Framework Programme of the European Union

Can you send me some material for the Communication?

Many thanks to

Giulio
Marta
Jérôme
Tanguy
Thierry
Thomas

What do we need?

1. File(s) or file names

What do we need?

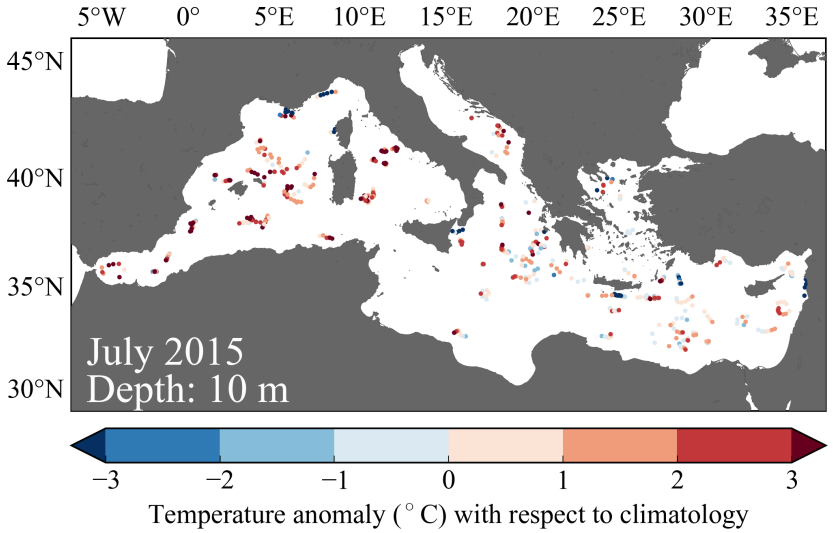
1. File(s) or file names
2. Variable(s) to plot

What do we need?

1. File(s) or file names
2. Variable(s) to plot
3. What we have to see

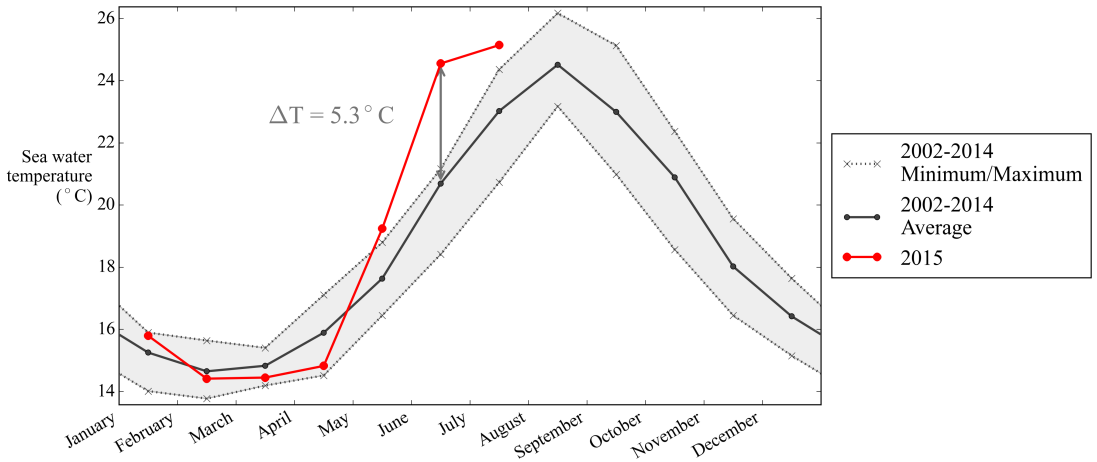
Status of Communication activities

- Anomalies in situ data vs. climatology



Status of Communication activities

- Anomalies in situ data vs. climatology
- Temperature time series from a mooring showing large anomaly



Status of Communication activities

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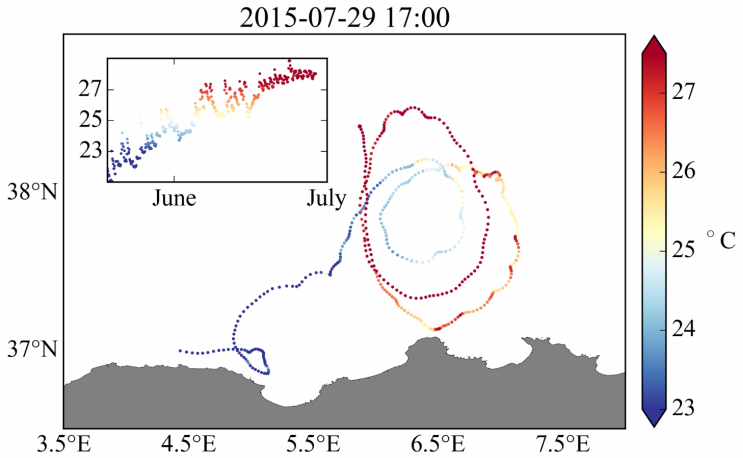
- Temperature time series from a mooring showing large anomaly
- Temperature from a drifter in an eddy [animation]



Status of Communication activities

- Anomalies in situ data vs. climatology
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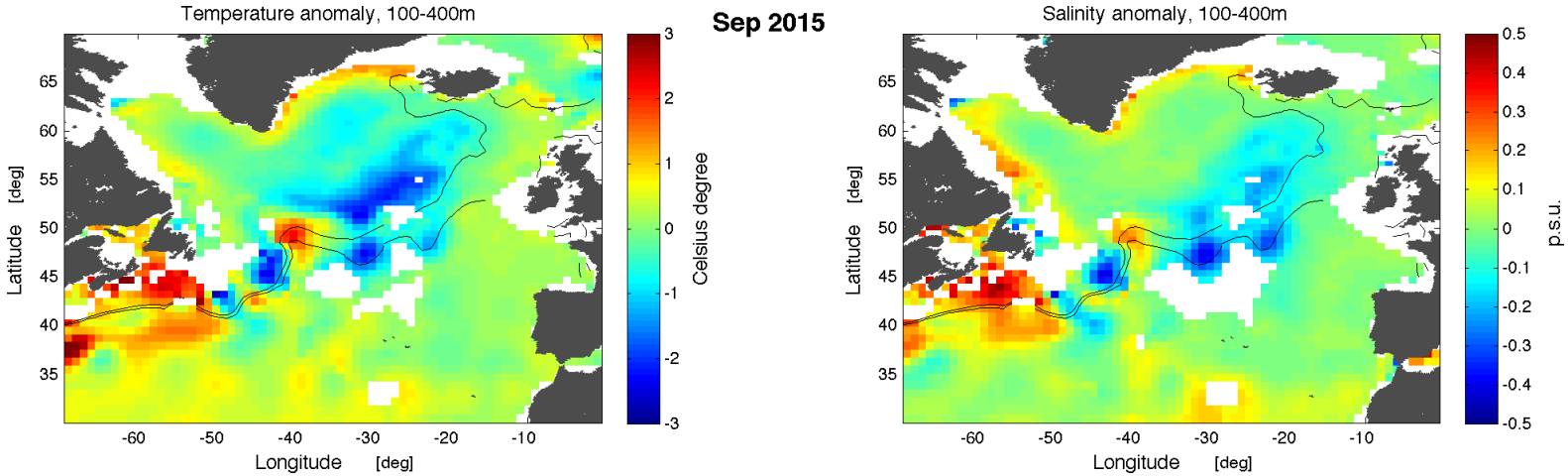
- Temperature and salinity anomalies in the *Cold Blob* [animation]



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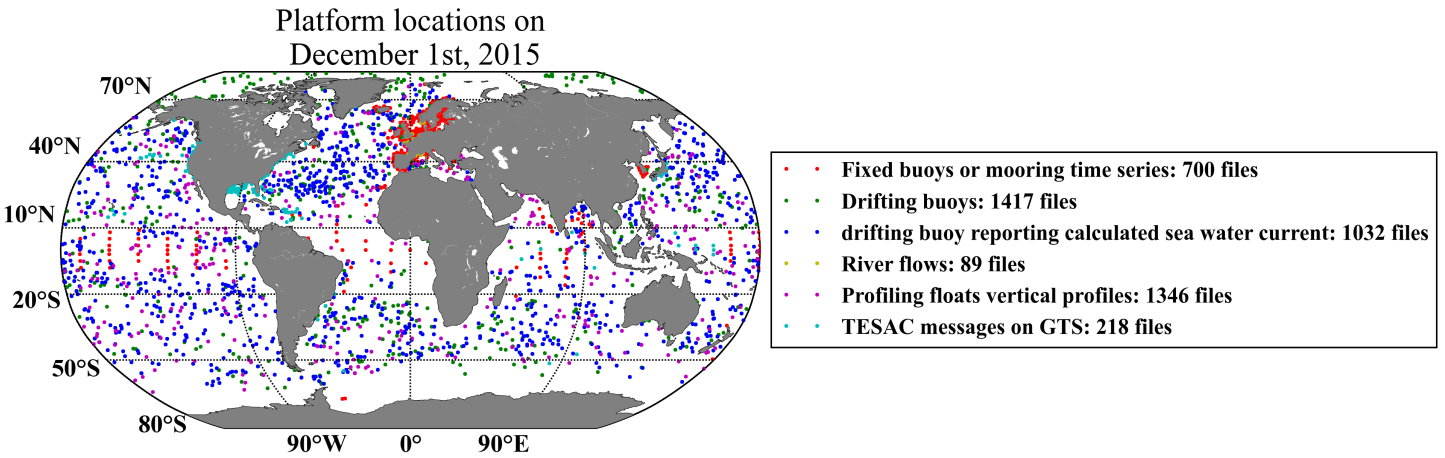

Status of Communication activities

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- Distribution of platforms by type
- Downstream use case: Seaboard Sorrento

DESCRIPTION USER FEEDBACK DOWNSTREAM USE CASES

"SEABOARD SORRENTO" A SUPPORT DECISION-MAKING TOOL FOR THE SORRENTO VESSEL ACCIDENT IN MALLORCA

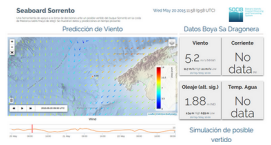
September 2015

On April 28, 2015, a fire broke out on a ferry sailing from Palma de Mallorca to Valencia. The ferry was at about 20 nautical miles off the coast of Palma de Mallorca. More than 150 passengers and the crew were quickly evacuated.
Following the emergency situation and fearing a possible spill, SOCIB together with researchers from the IMEDEA (CSIC-UIB) and in collaboration with Puertos del Estado, has developed an integrated tool - Sorrento Seaboard - which summarizes in a single operation screen the new scientific capabilities to support decision making at sea and on the coasts, associated with accidental marine spills.

Description

These systems have been developed over more than 20 years of research in physical and operational oceanography at IMEDEA. These operating systems were employed in the Prestige oil spill in 2002 and Don Pedro in 2007 and later in 2009, were extended at the ICTS SOCIB, in collaboration with

Photo credit: CNN Hit New http://cnnhit.com/new/a-ferry-caught-fire-in-spain-there-are-156-evacuees/



Status of Communication activities

Good

Bad

INSTAC = only group to have provided material on time

not presently visible on the CMEMS web

Status of Communication activities

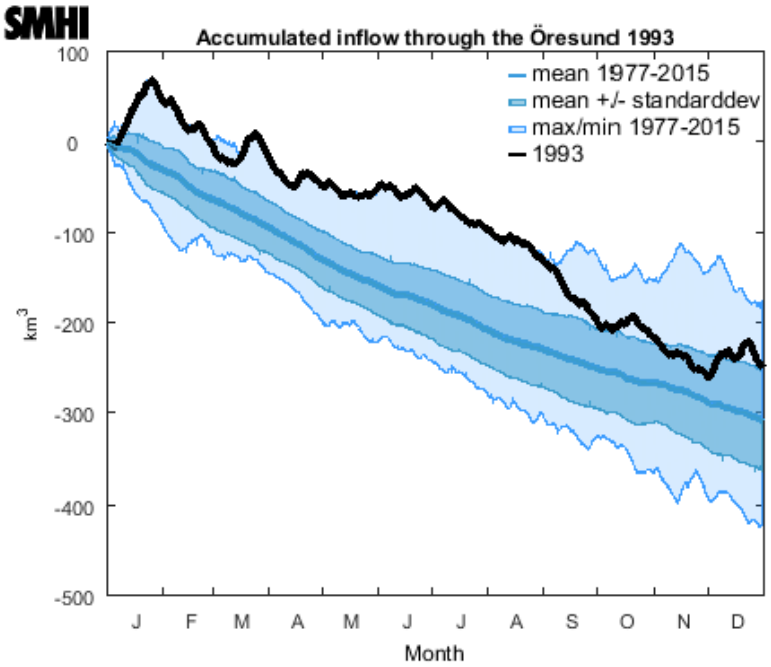
Main difficulties encountered

Content: create material that is attractive and scientifically sound

Use cases: identify relevant use cases using CMEMS in situ observations

What's next in 2016?

Use case Baltic Sea: based on material sent by Thomas (SMHI)



What's next in 2016?

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Figure/animation for Q2: in preparation

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Deliverables for Q4: ideas are welcome

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Use case Baltic Sea: based on material sent by Thomas (SMHI)

Figure/animation for Q2: in preparation

Deliverables for Q4: ideas are welcome

Use case for *Rissaga* (Menorca island)

Plans for 2017 to improve Communication

Action 1: focus on specifically relevant events:
El Niño, Cold Blob in the Atlantic

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Action 2: extend the range of users
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(IMDIS, EGU, AGU, . . .).

Action 5: Creation of an in situ dashboard

Status of Training activities

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Contribution to RUTW and other Training sessions
(Task 4.5 Training : REQGEN 17/23)

- RUTW Med, La Spezia (Italy), 4 December 2015
- RUTW IBI, Lisboa (Portugal), 11 December 2015
- Other Training sessions: Course
  "*Scientific Python: application to Oceanography*",
  Cadiz (Spain), 27-29 January 2016

  (use of INSTAC data files in some exercises)

Status of Training activities

Main difficulties encountered

Public: adaptation of the course to the audience

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Execution: to evidence in situ data particularities
users have to *get their hands dirty*

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Main difficulties encountered

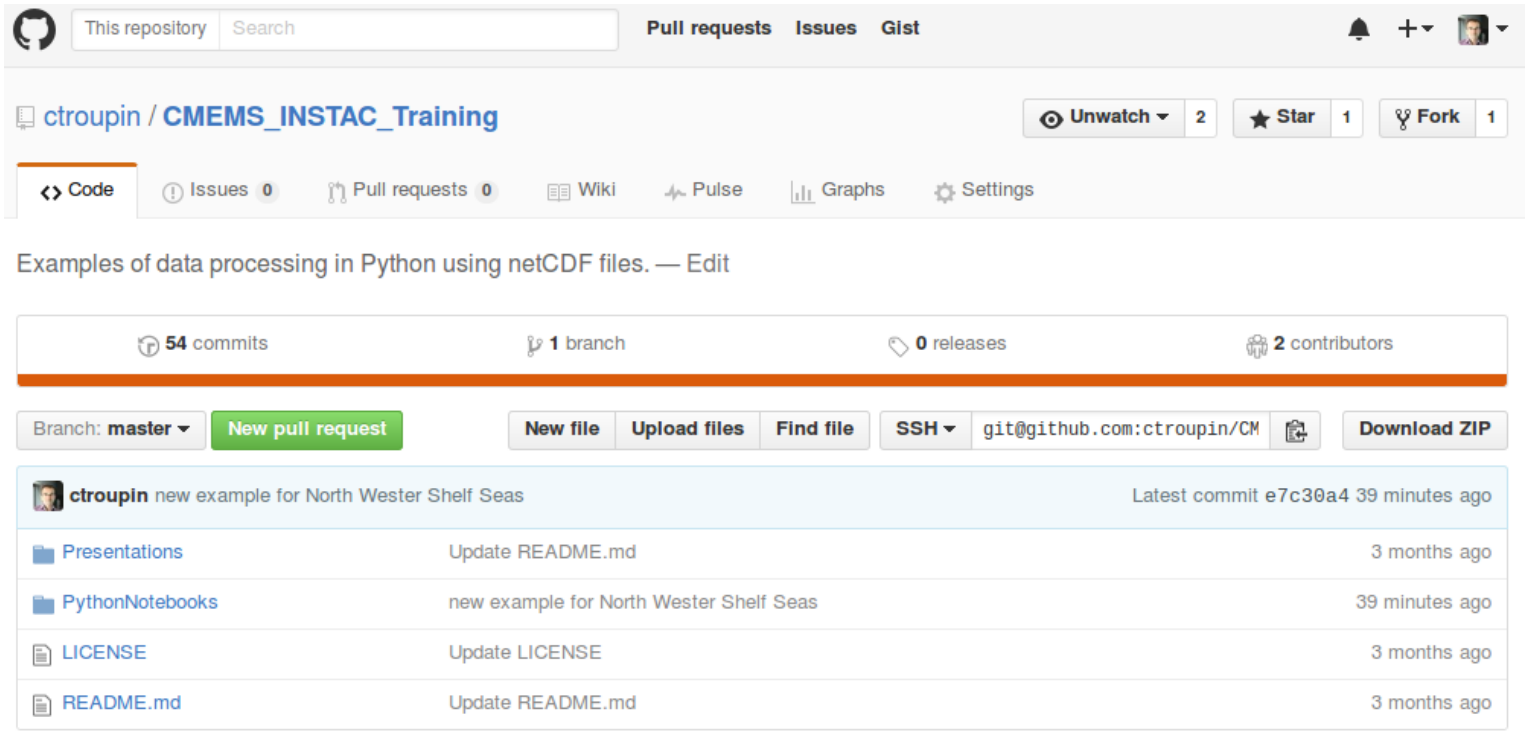
Public: adaptation of the course to the audience

Execution: to evidence in situ data particularities
users have to *get their hands dirty*

General: the users are not aware
of the existence of in situ products

Plans for 2017 to improve Training activities

Action 1: Adapt training material ($\star$)
according to user comments and requests



$\star$ Available at https://github.com/ctroupin/CMEMS_INSTAC_Training

Conclusion?

1. Send us stuff for Communication!

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2. Ask us (if needed) for Training.