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1st CMEMS INSTAC Plenary Meeting

Task 4.4 : Communication

C. Troupin, J. Tintoré & SOCIB team



Give more

Visibility

to In Situ data

[REQ-GEN- 10]: unique communication contact point

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Charles, Joaquín, Mélanie



[REQ-GEN- 11]: at the start of Q2 and Q4 each year

1 × High resolution image

1 × animation

Temperature anomalies,
long time series,
drifter trajectories, ...

Highly dependent on what is provided by regional leaders!



Requirements

[REQ-GEN- 12]: 1 × per year:
"Written Use case Rationale"

Highly dependent on what is provided by regional leaders!



Requirements

[REQ-GEN- 13]: use-case attracting media attention:
Rationale delivered < 3 days after the request

Difficult point!



[REQ-GEN- 14]: compliance with the communication rules

From document `3.CMEMS Working Relations.pptx`

- ▶ High-level scripts languages Python
- ▶ High-resolution 300 dpi
- ▶ Image format tiff & png
- ▶ Animation format Avi & mp4

[REQ-GEN- 15]: specific requirements:

- ▶ veracity of the data
- ▶ written rationale: scientific expertise + understandable for non-scientists



Requirements

[REQ-GEN- 16]: material meeting the Credits & Graphic requirements stated in the CMS Communication Plan.



Webex July 17th

Participants: Cécile, Alice (Mercator-Océan), Sylvie (Ifremer),
Joaquín, Charles (SOCIB)

Objectives:

- Initial contact
- Specification of requirements
- Example of possible contributions

Figure 1: temperature anomalies from in situ data

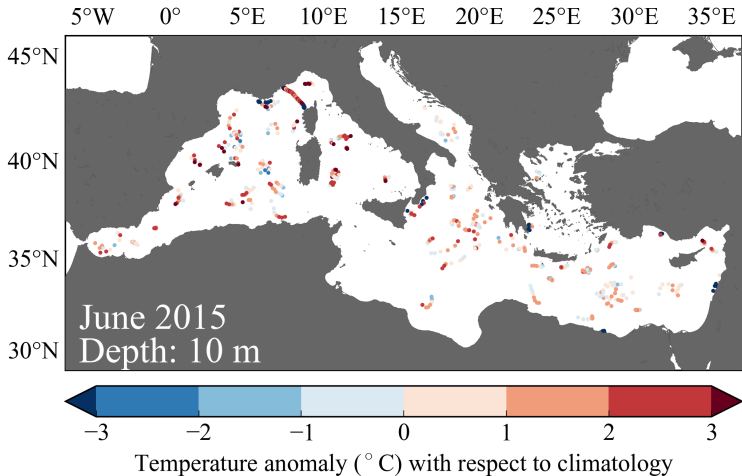


Figure 1: temperature anomalies from in situ data

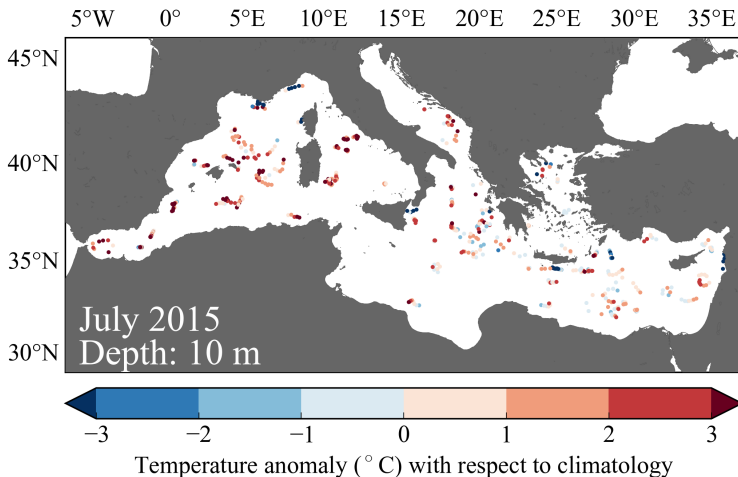


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- ▶ World Ocean Atlas (or SeaDataNet) climatology interpolated at the locations



Figure 1: temperature anomalies from in situ data

- ▶ World Ocean Atlas (or SeaDataNet) climatology interpolated at the locations
- ▶ Anomalies computed at different depths and months

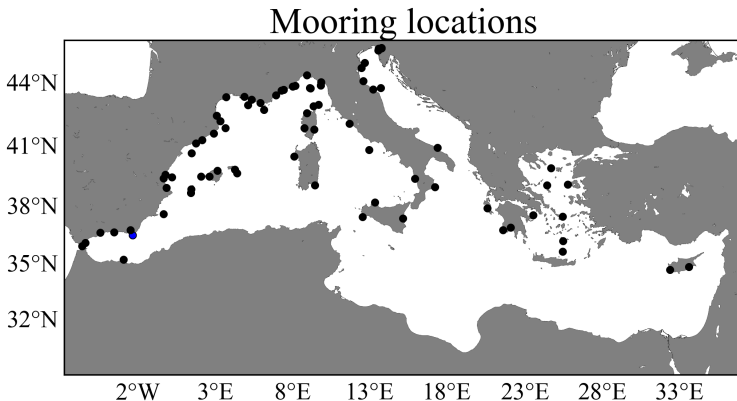


Figure 1: temperature anomalies from in situ data

- ▶ World Ocean Atlas (or SeaDataNet) climatology interpolated at the locations
- ▶ Anomalies computed at different depths and months
- ▶ Program flexible enough to generate similar figures for different platforms, regions, . . .

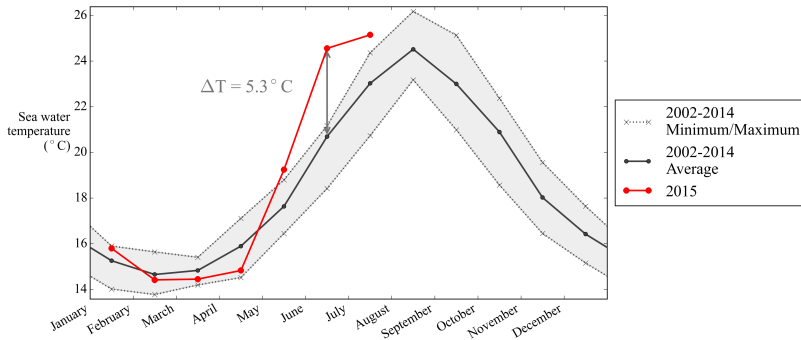


Figure 2: time series from mooring



- ▶ Mooring selected according to time period and data availability

Figure 2: time series from mooring



- ▶ 2015 monthly values compared to mean, min. and max. values

Thanks Marta!

Animation 1: drifter in an eddy

Thanks Giulio!



- ▶ Sent on August 21st, 2015



- ▶ Sent on August 21st, 2015
- ▶ No reply



Material for Q4

- ▶ Sent on August 21st, 2015
- ▶ No reply
- ▶ Sent again on August 31st, 2015



- ▶ Sent on August 21st, 2015
- ▶ No reply
- ▶ Sent again on August 31st, 2015
- ▶ Again no feedback



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.

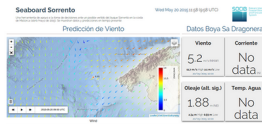
Following the emergency situation and fearing a possible spill, SOCIB together with researchers from the IMEDEA (CSIC-UJIB) and in collaboration with Puertos del Estado, has developed an integrated tool - Sorrento Seaboard - which summarizes in a single operation screen the new scientific capabilities 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



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



[http://marine.copernicus.eu/web/
87-downstream-use-cases.php?item=2536](http://marine.copernicus.eu/web/87-downstream-use-cases.php?item=2536)

Downstream Use Case 1: SeaBoard Sorrento

- ▶ Sent on September 4th



Downstream Use Case 1: SeaBoard Sorrento

- ▶ Sent on September 4th
- ▶ Published on September 8th



What's next?

1 Contacts for material for Q4 and next

Tanguy, ...



What's next?

1 Contacts for material for Q4 and next

2 Focus on other regions

Tanguy, ...

no Western MedSea



What's next?

1 Contacts for material for Q4 and next

Tanguy, ...

2 Focus on other regions

no Western MedSea

3 Getting prepared for *use-case attracting media attention*

