mercator-ocean.eu
marine.Copernicus.eu

In Situ Thematic Assembly Centre for Copernicus Marine Service

Dashboard, Communication and Training activities

C. Troupin, P. Rotllan, I. Serra, B. Frontera

SOCIB

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

One-word summary...

Visibility

Conclusions

- More **regular contacts** with Mercator-Océan communication

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- Better identification of **use cases** and applications

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- Better identification of **use cases** and applications
- More presence in **international conferences**

. . . some work already done

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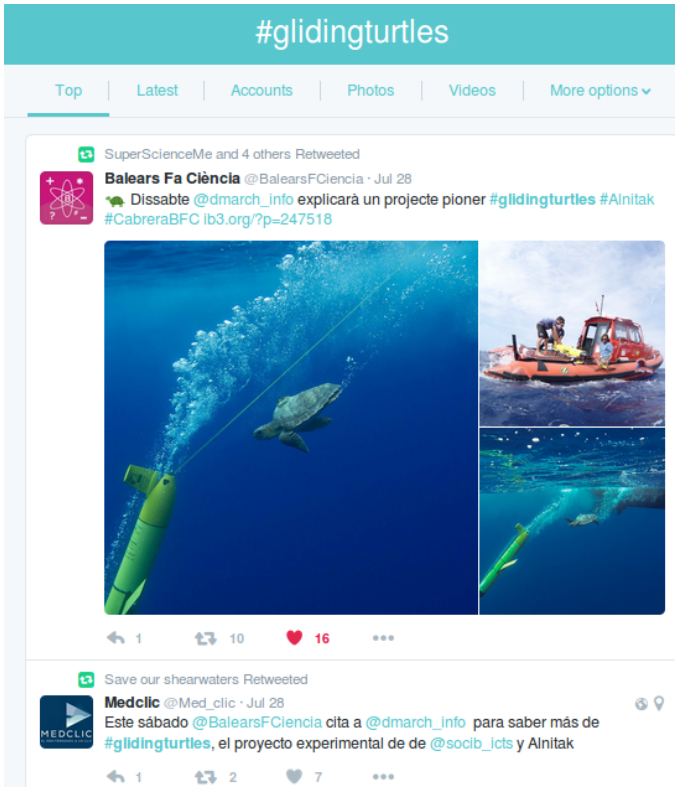
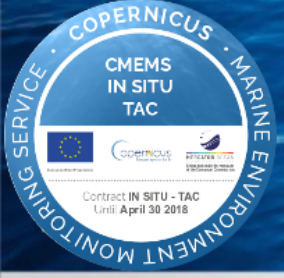
- Use all the modern *weapons* in term of communication

Conclusions





INSTAC Dashboard

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

The plan

1. Make in situ data visible and **discoverable**

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4. Work on the index files
5. Include time series of **KPI**s
6. Help us to detect possible issues with the data and metadata

Training

Feedback from RUTW – NWS

- Format

4 × 30-min. block
Total 15 attendees (!)

Feedback from RUTW – NWS

- Format
- Content

1. Intro INSTAC portal
2. Northwest Shelf part
3. Example data file using https://odv.awi.de/

Feedback from RUTW – NWS

- Format
- Content
- Suggestions

1. Users from companies: not familiar with netCDF
   $\rightarrow$ Need for a brief/common introduction
2. Use resources on youtube, for example IBI Training

Feedback from RUTW – NWS

- Format
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- Suggestions
- **Acknowledgements:** Susanne (BSH)

Feedback from RUTW – Global

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Communication

T-S diagram & water masses

Goal: show how T-S diagrams can be related to water masses

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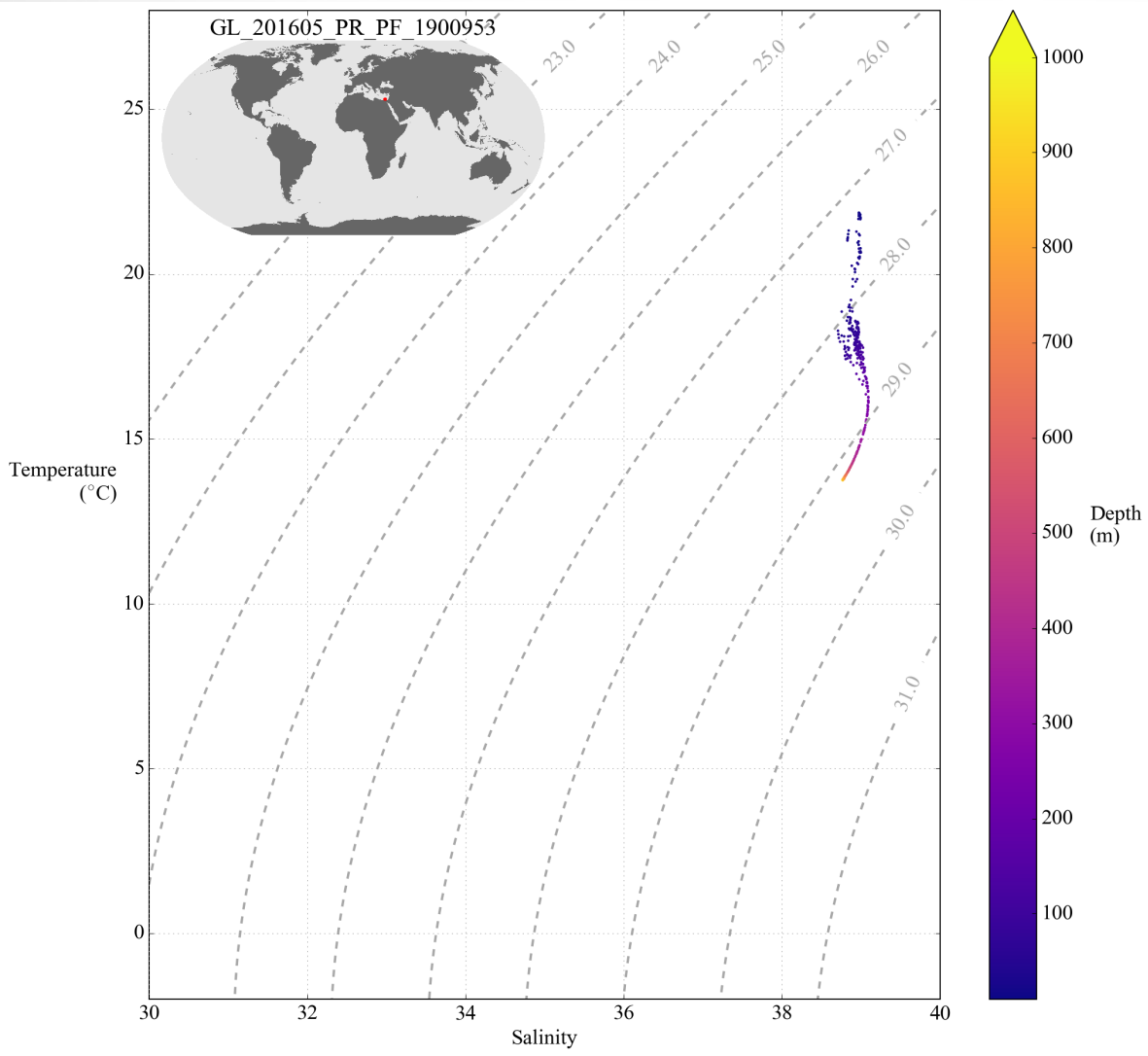
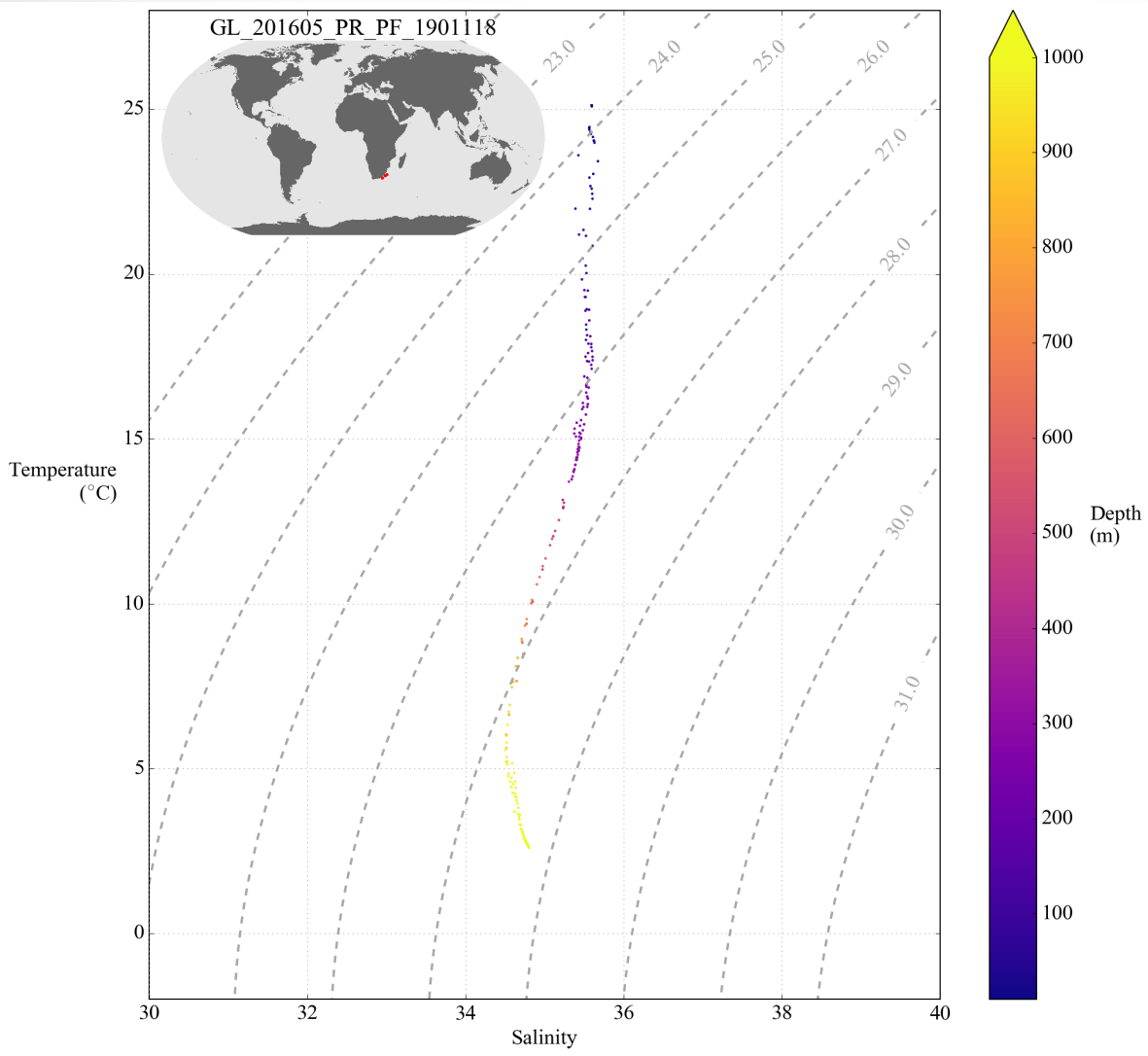
Motivation: T-S diagrams not often considered in CMEMS

T-S diagram & water masses



T-S diagram & water masses



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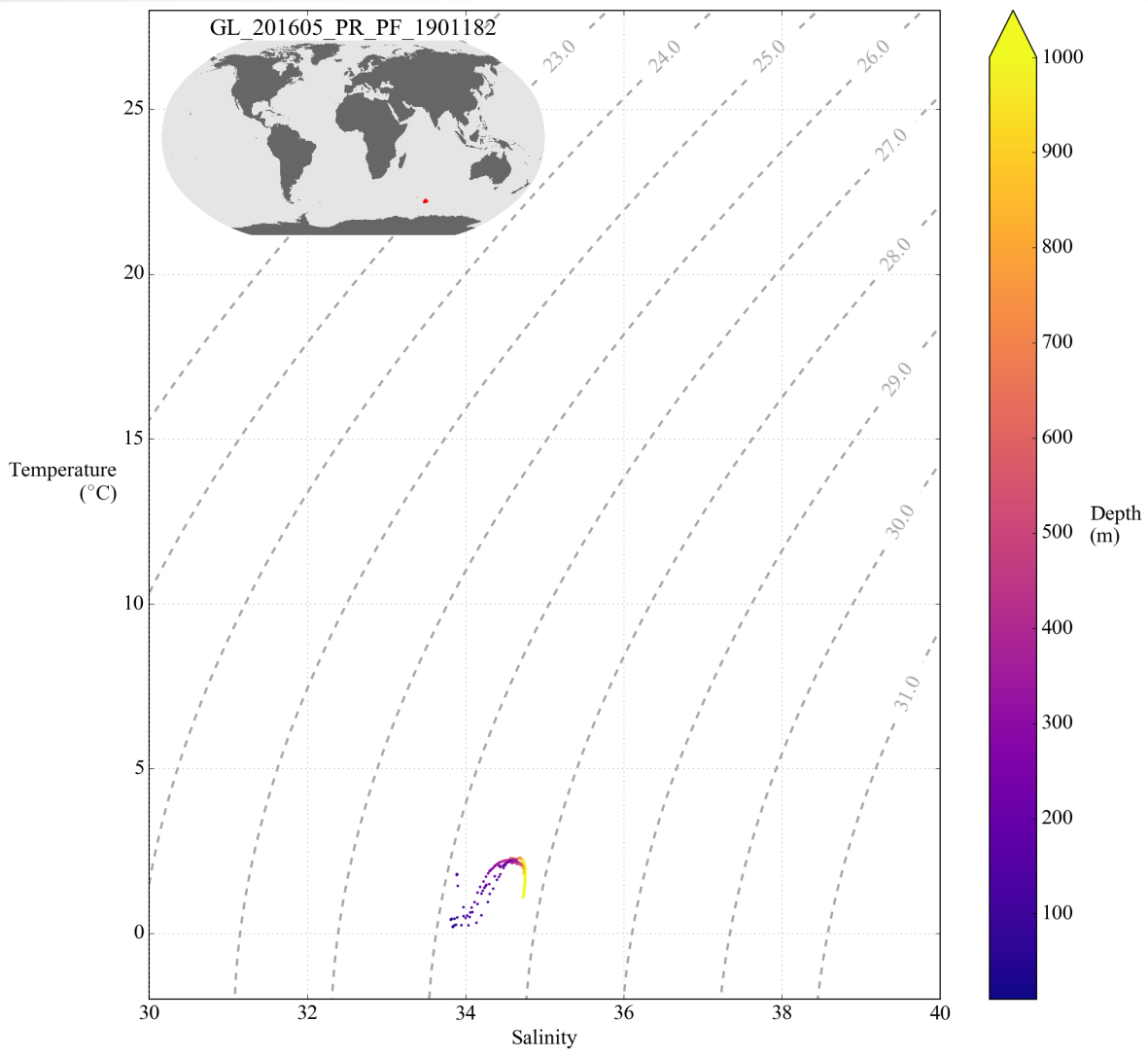

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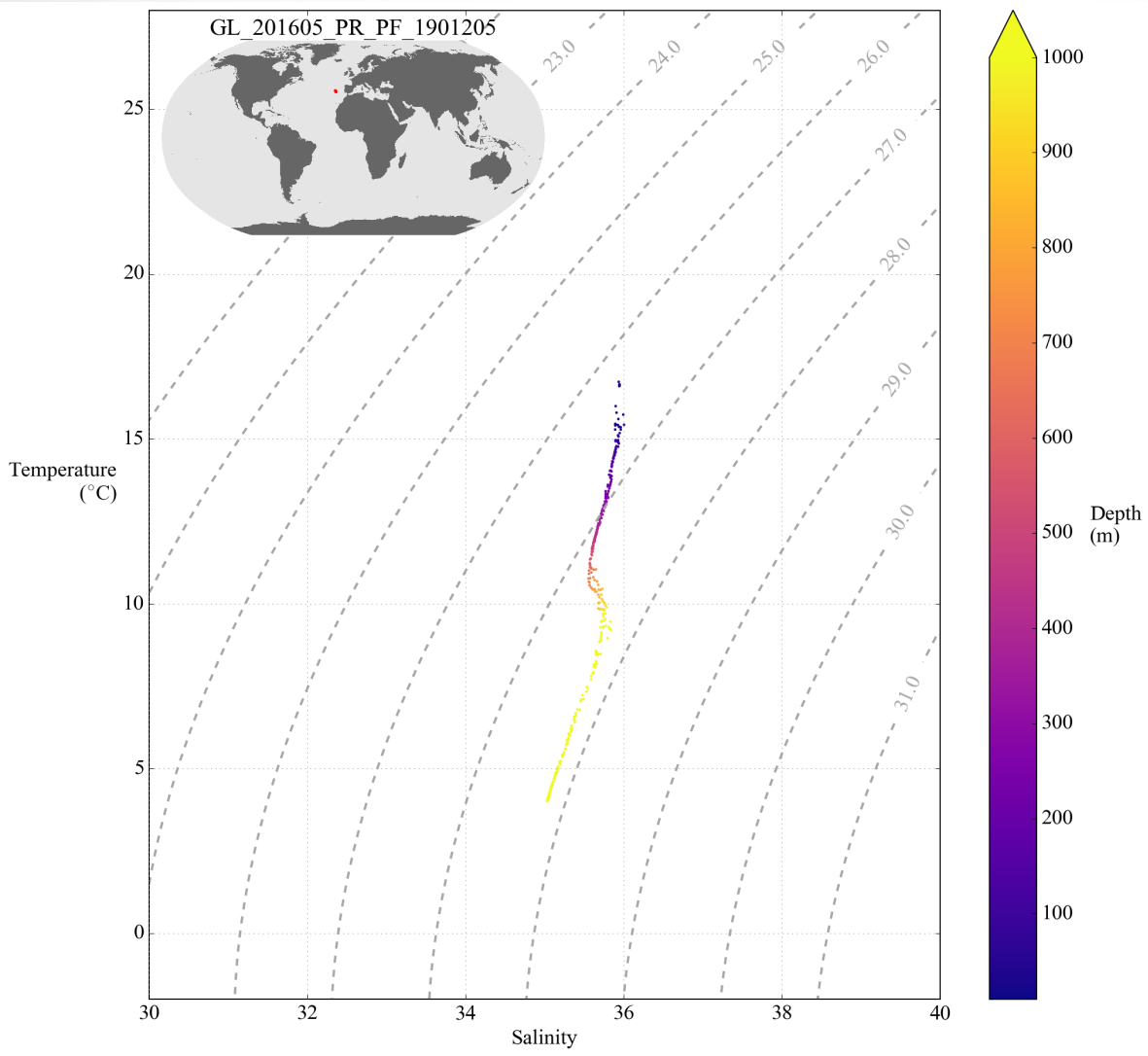

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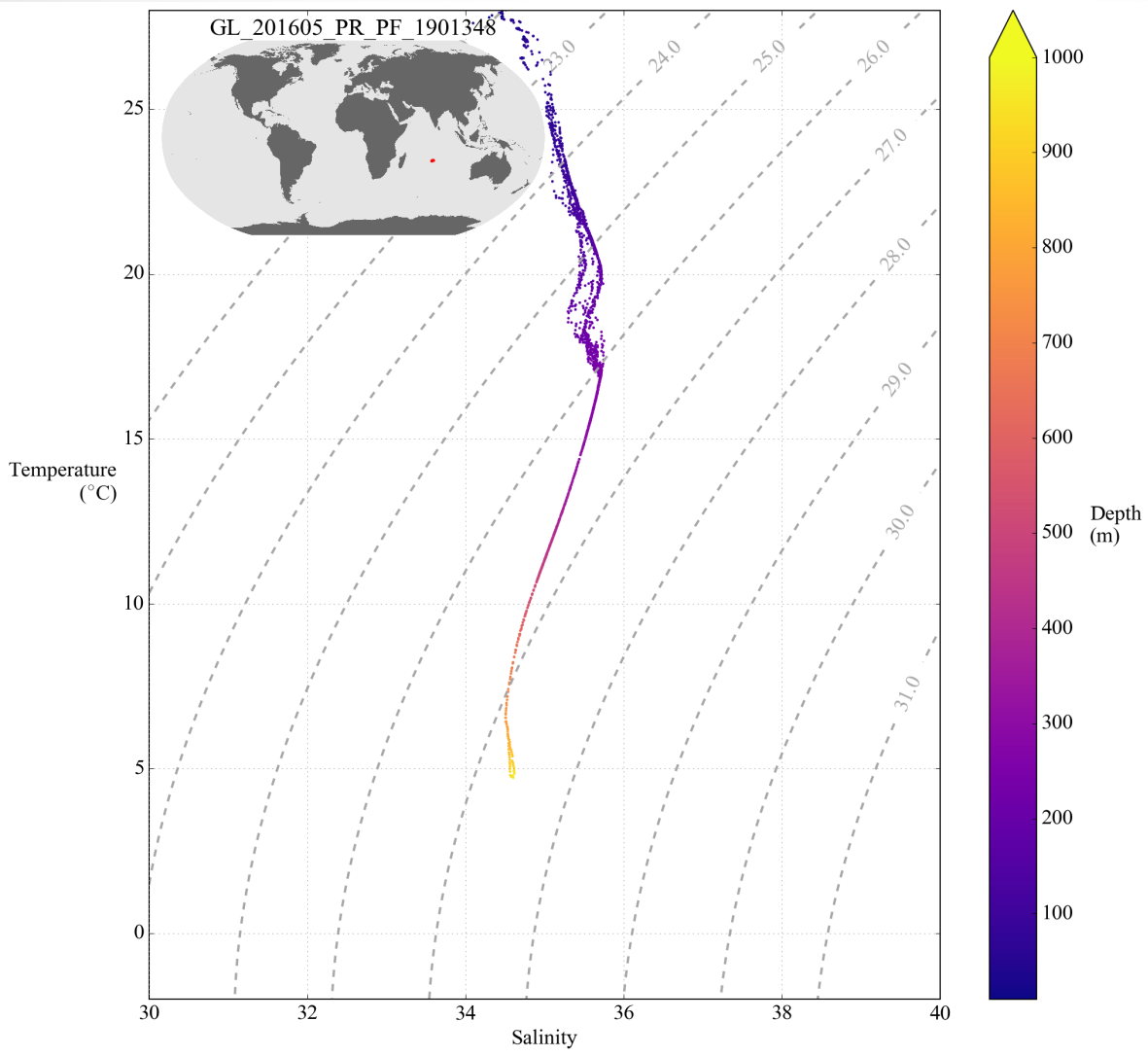

T-S diagram & water masses

Bonus: the Python code to re-do the plots

https://github.com/ctroupin/CMEMS_INSTAC_Training/blob/master/PythonNotebooks/CommunicationMaterial/plot_TS_diagram_all.py

Mixed layer depth: seasonal cycle

Goal: show a simple but relevant diagnostic computed from profiles

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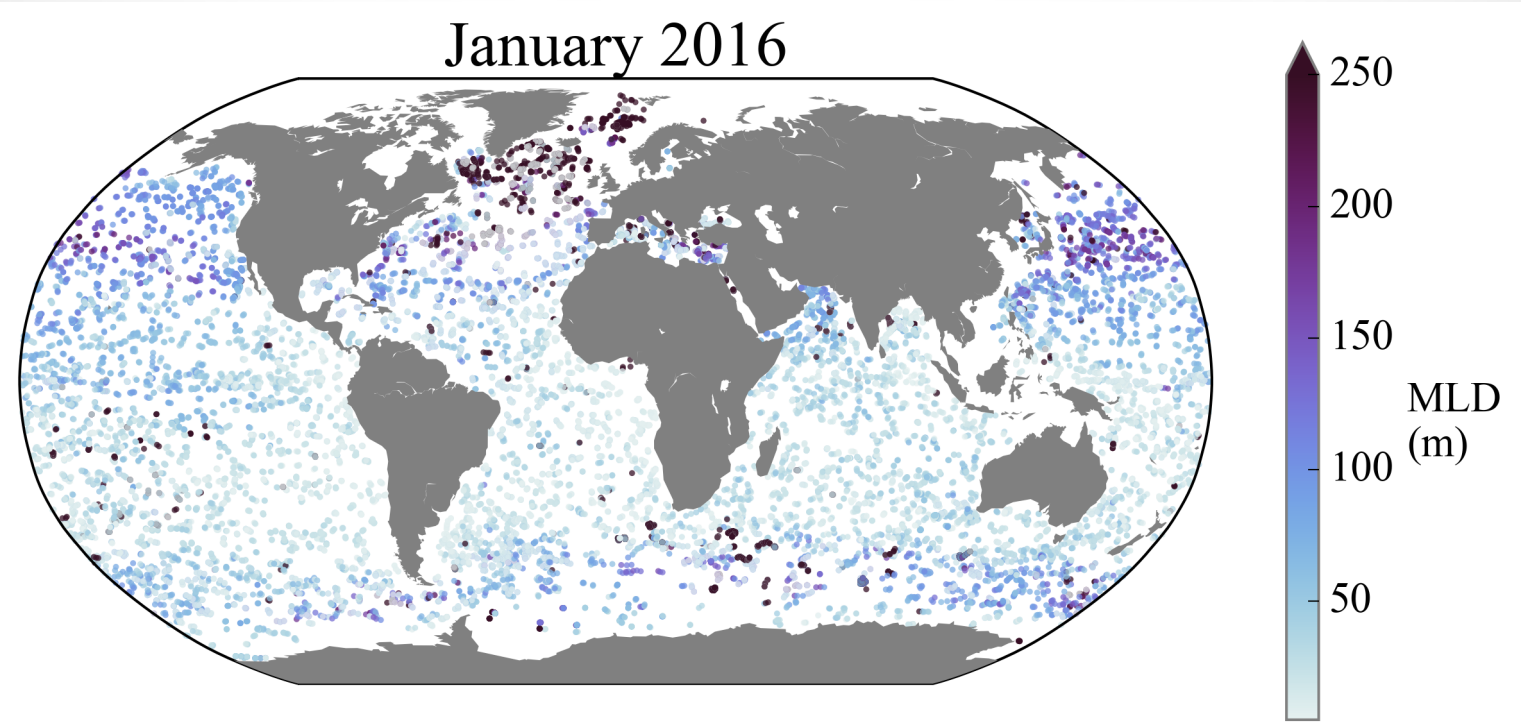
Motivation: implication of MLD in primary production and climate change

Mixed layer depth: seasonal cycle



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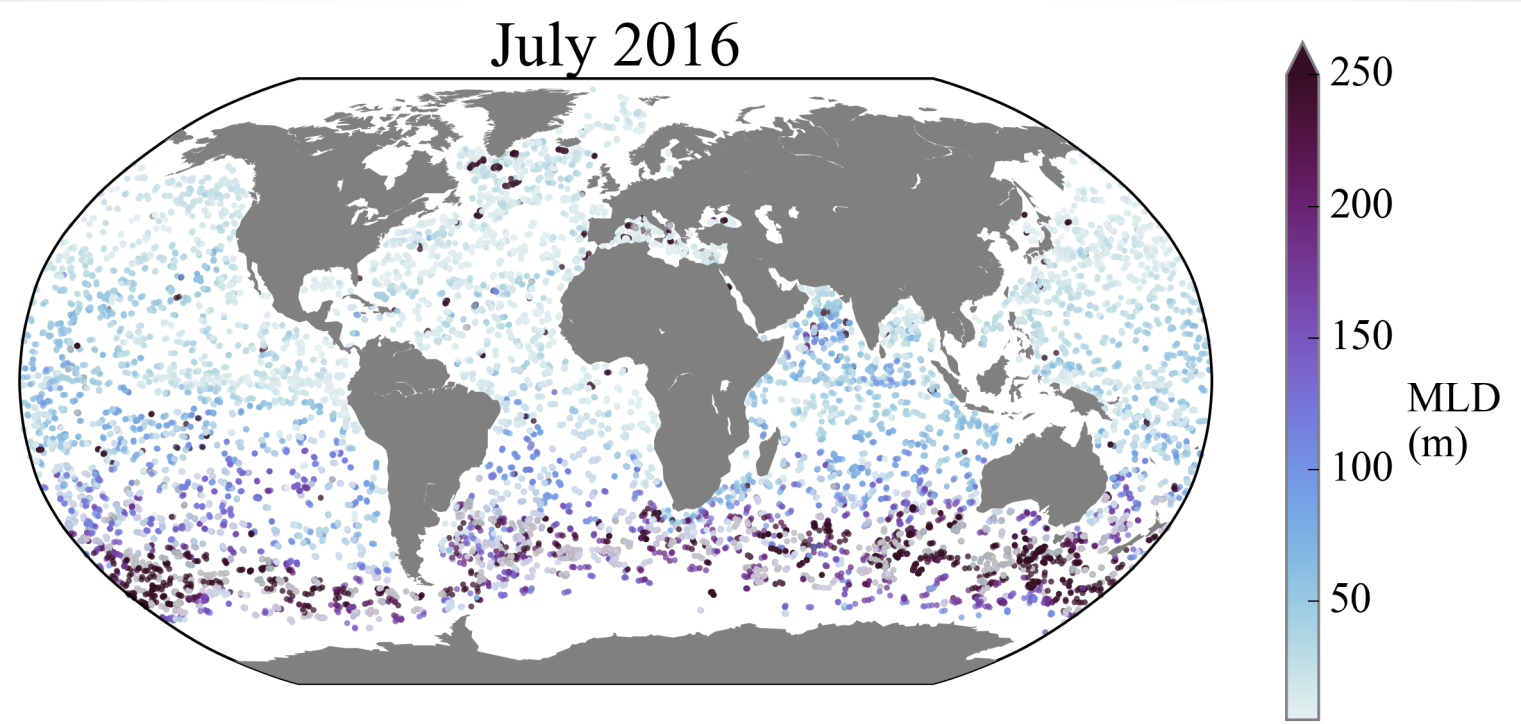

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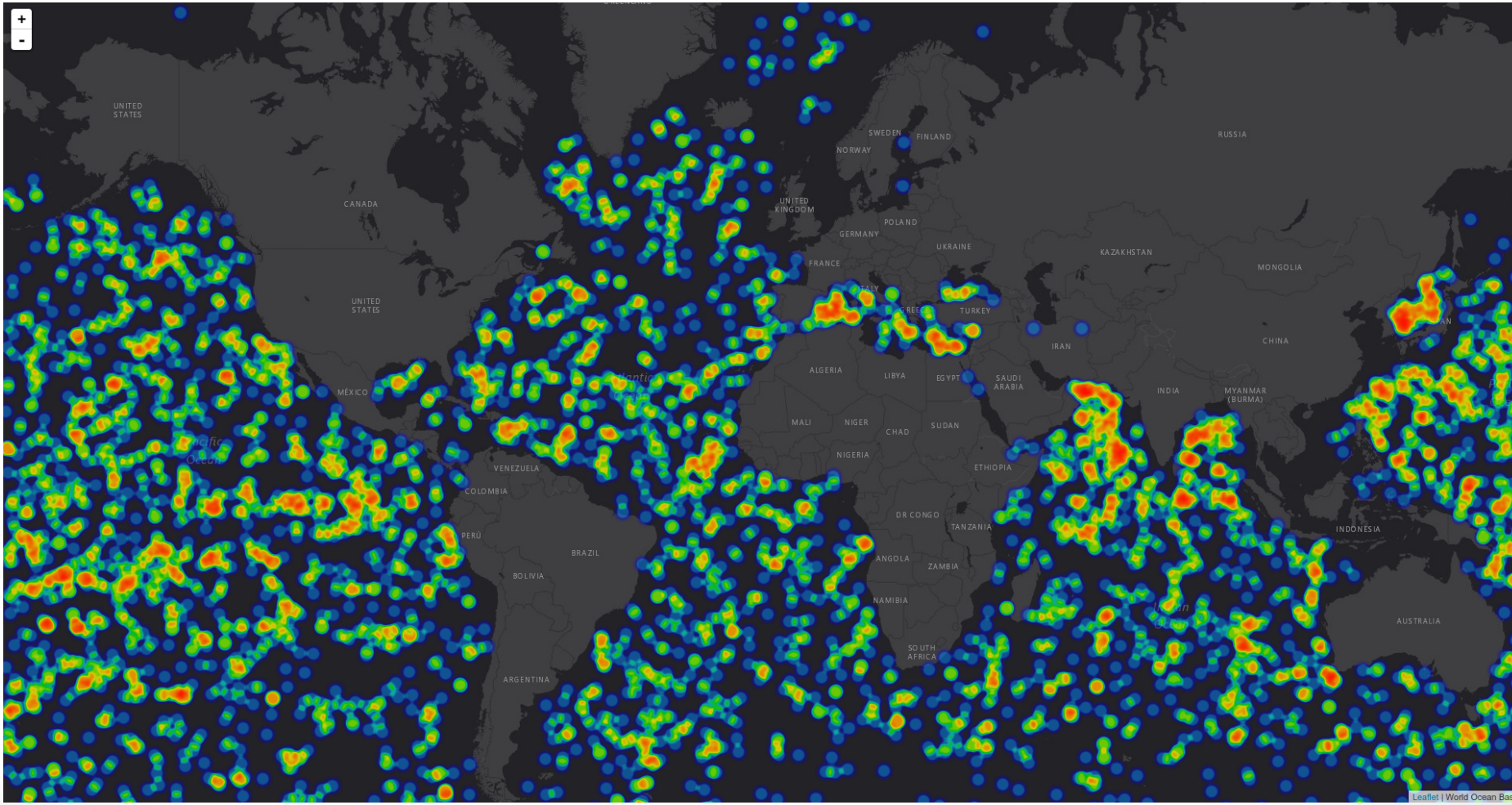
Mixed layer depth: seasonal cycle

Acknowledgements: Sylvie, Tanguy & Jérôme (Ifremer)

CMEMS profiler data, January 2016

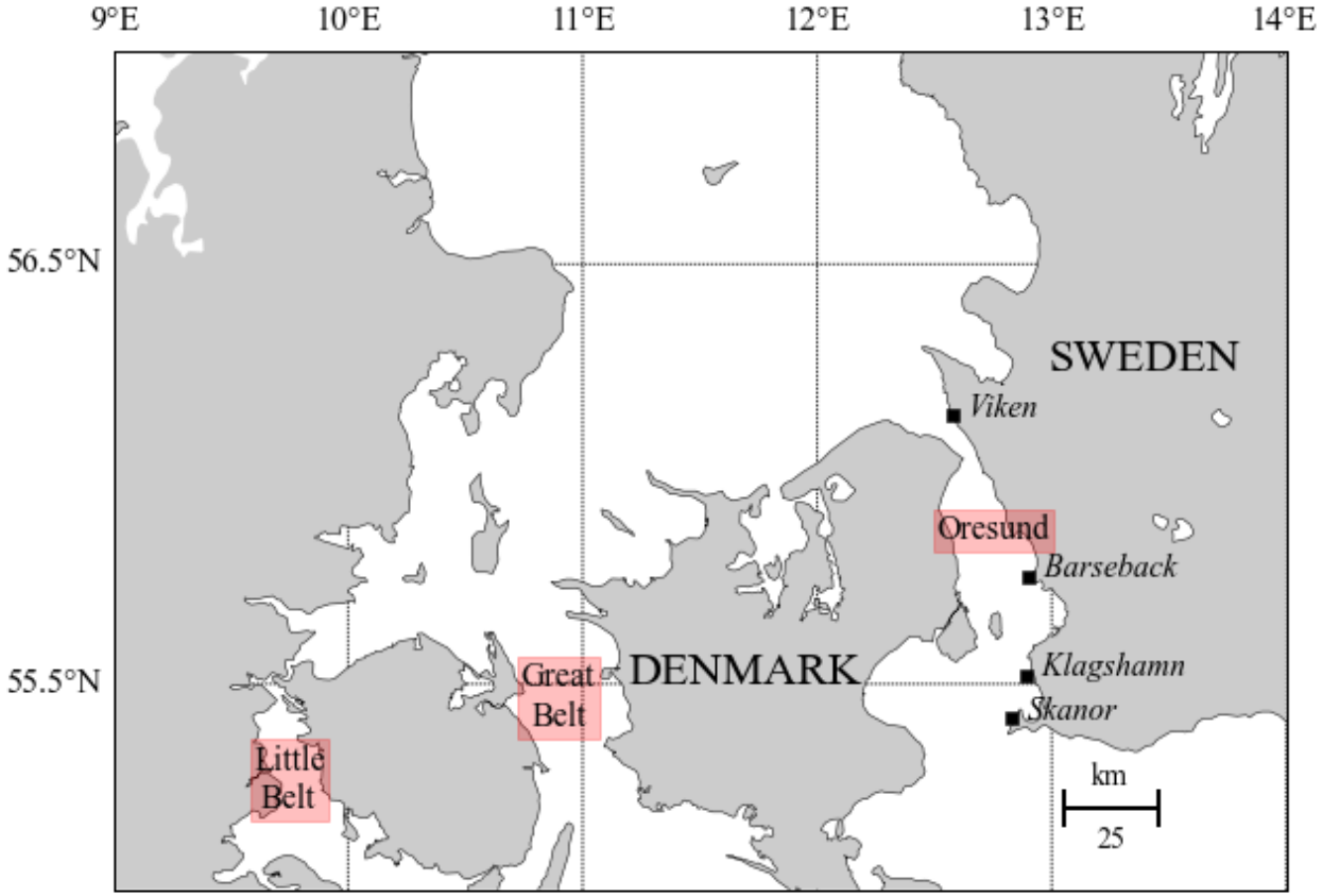


Use case

Goals: present application from downstream user
demonstrate the added-value of CMEMS

Use case

Proposed use case: ”*Monitoring the oxygen conditions in the deep basins of the Baltic Sea*” using data products from SMHI



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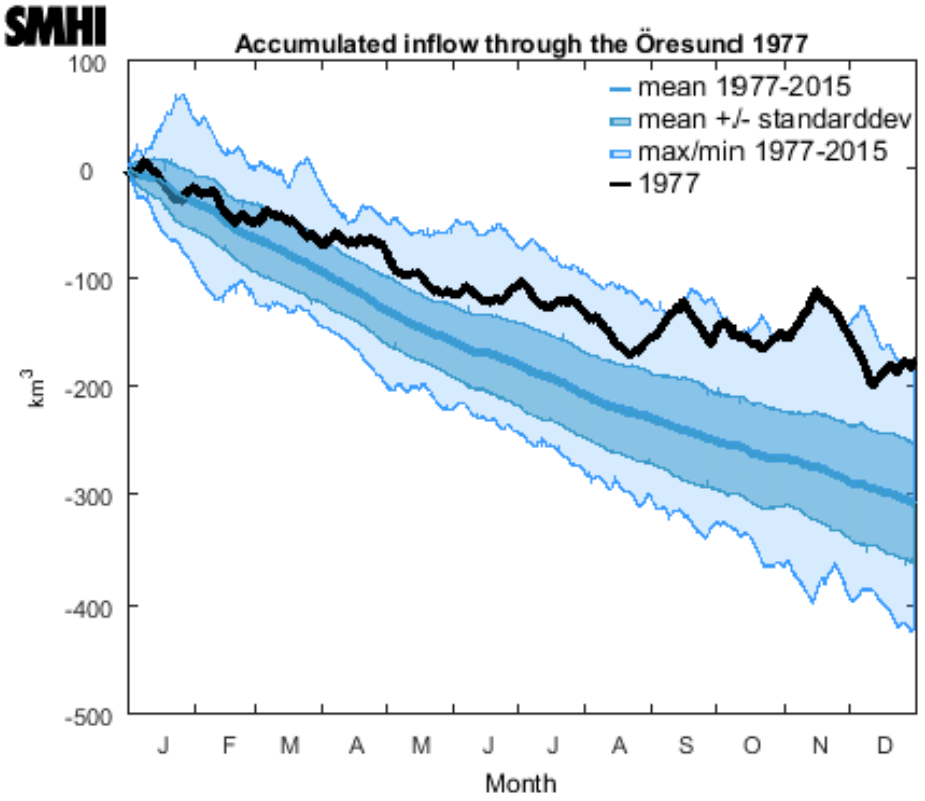

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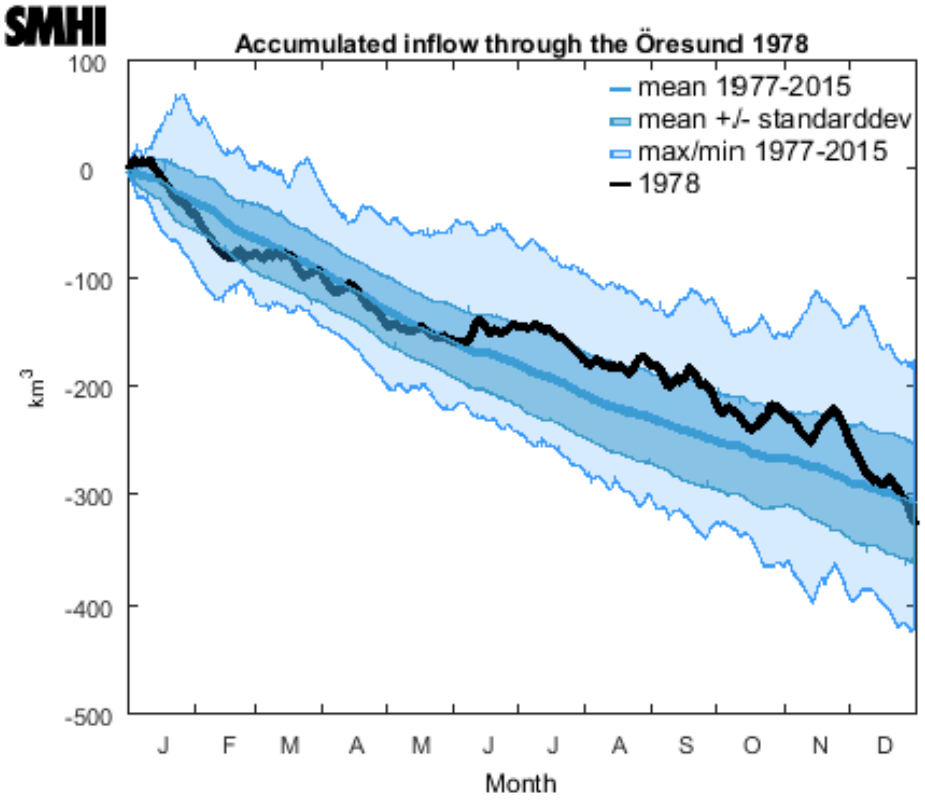

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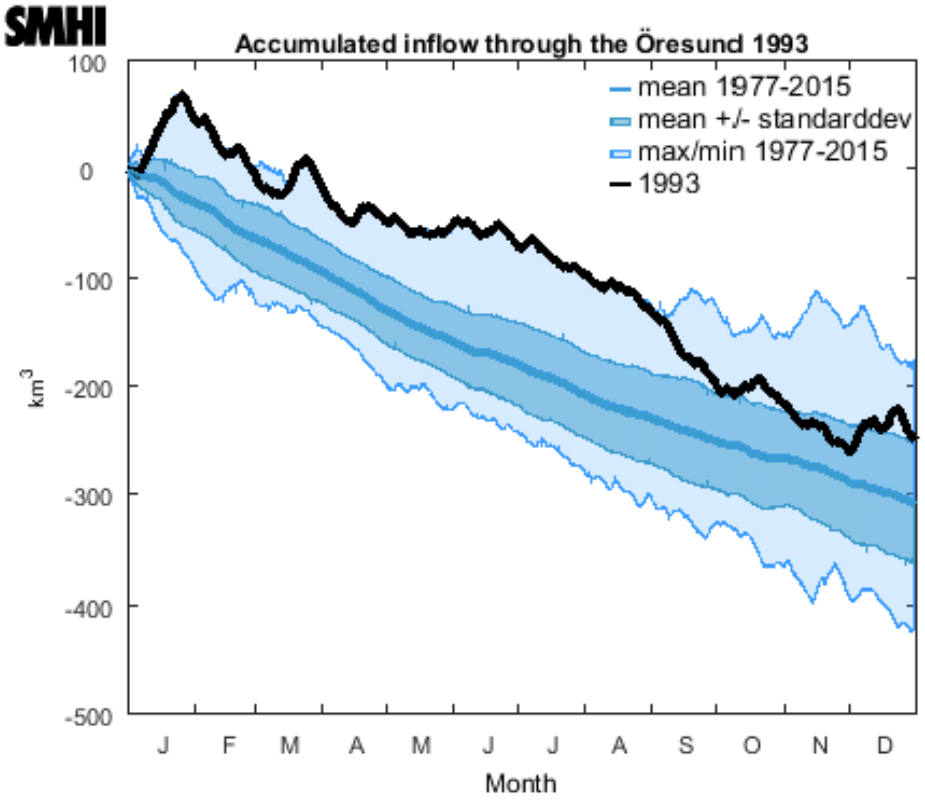

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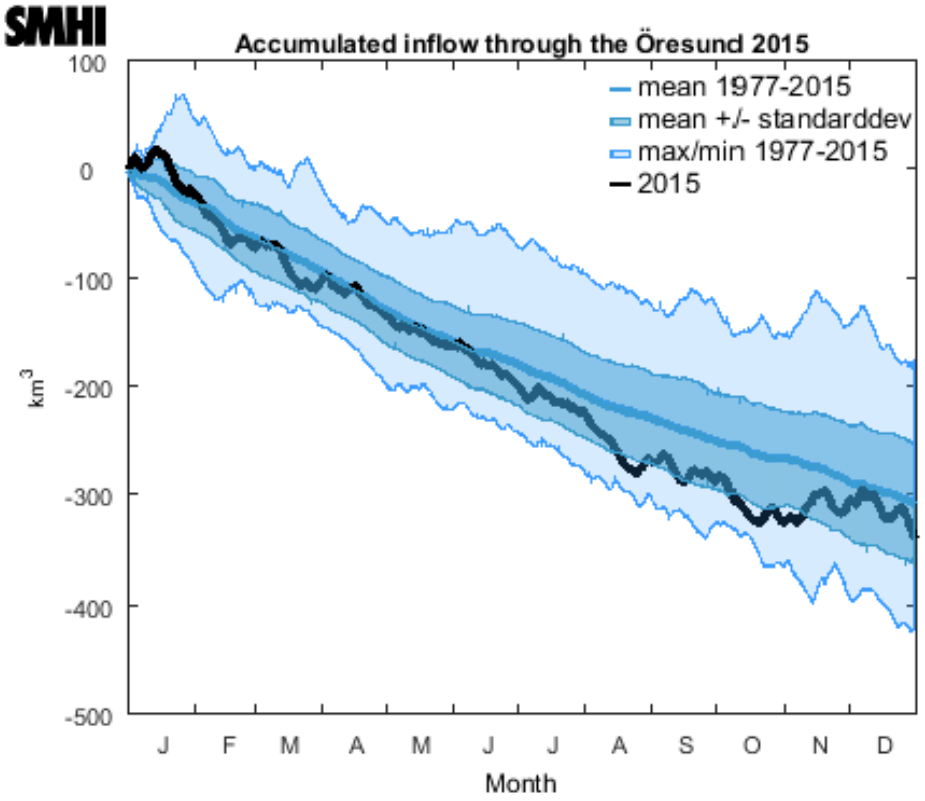

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IMDIS 2016 conference

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Improved statistical method for hydrographic climatic records quality control.

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