AdriaClim

STATO DI AVANZAMENTO DELLE ATTIVITÀ MODELLISTICHE

(State of progress of modeling activities)

AdriaClim|PP11 | Alex Pividori

Internal meeting | Palmanova | 30^{th} September 2022

European Regional Development Fund

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- ❑ Description of analysis-flow for SHYFEM simulations and related outputs

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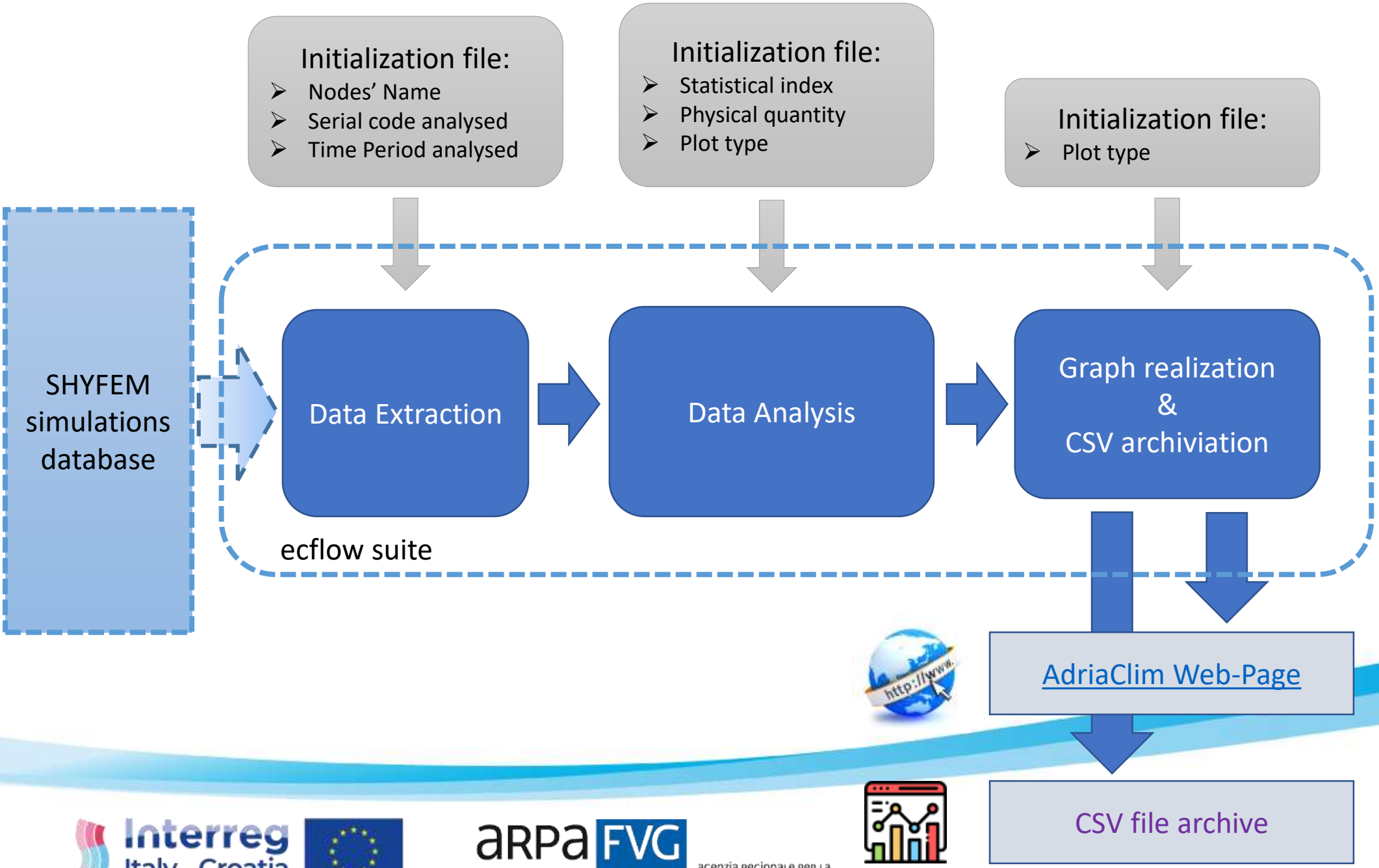
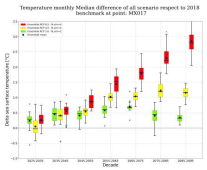
Data Analysis

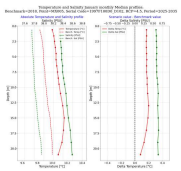


Benchmark Comparison plot types

Boxplots



Graph Tables



Temperature-Salinity profiles

Mean

- Temperature
- Salinity
- Sea Height

Median

- Temperature
- Salinity
- Sea Height

N. Of graphs $118 \cdot 3 \cdot 2 = 708$

Mean

Median

N. Of graphs $118 \cdot 70 \cdot 12 \cdot 2 = 198{,}240$

$7 \cdot 70 \cdot 4 \cdot 2 = 3920$

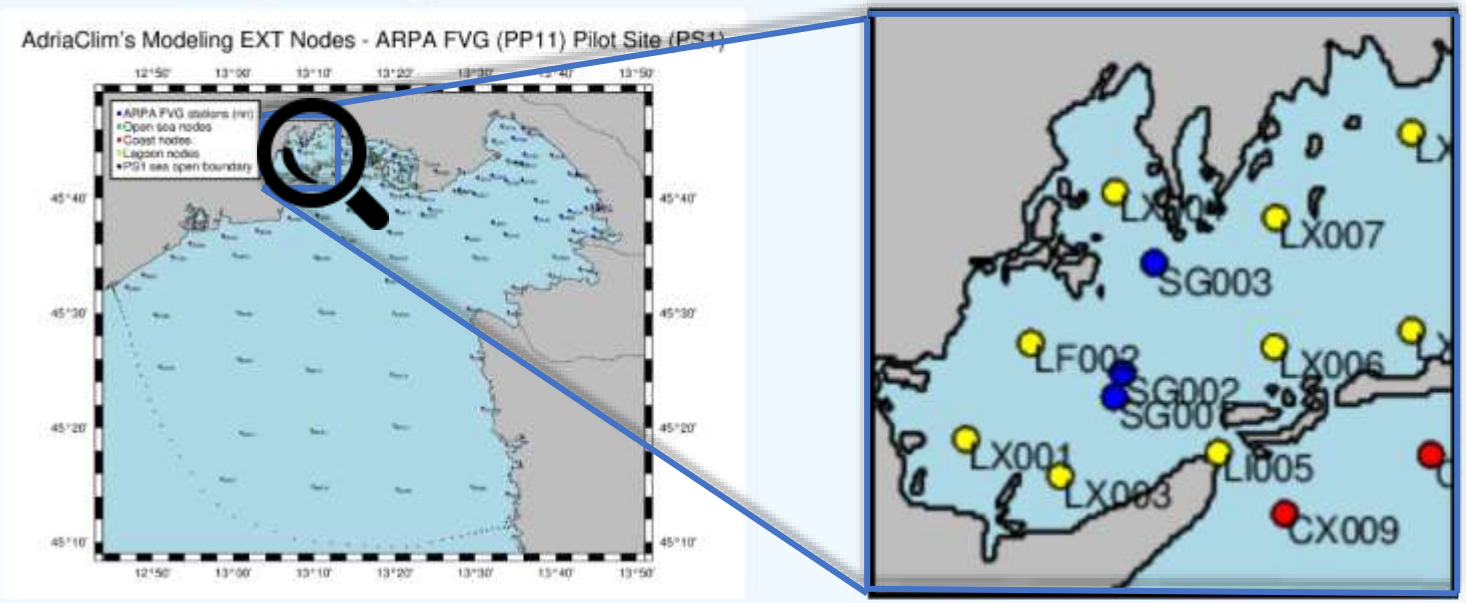
SHYFEM BENCHMARK comparison

Interreg IT-HR AdriaClim @ ARPA FVG - CRMA

For more informations about monitored points: Monitored points coordinates

: RCP 2.6 : RCP 4.5 : RCP 8.5

118 analyzed nodes map:

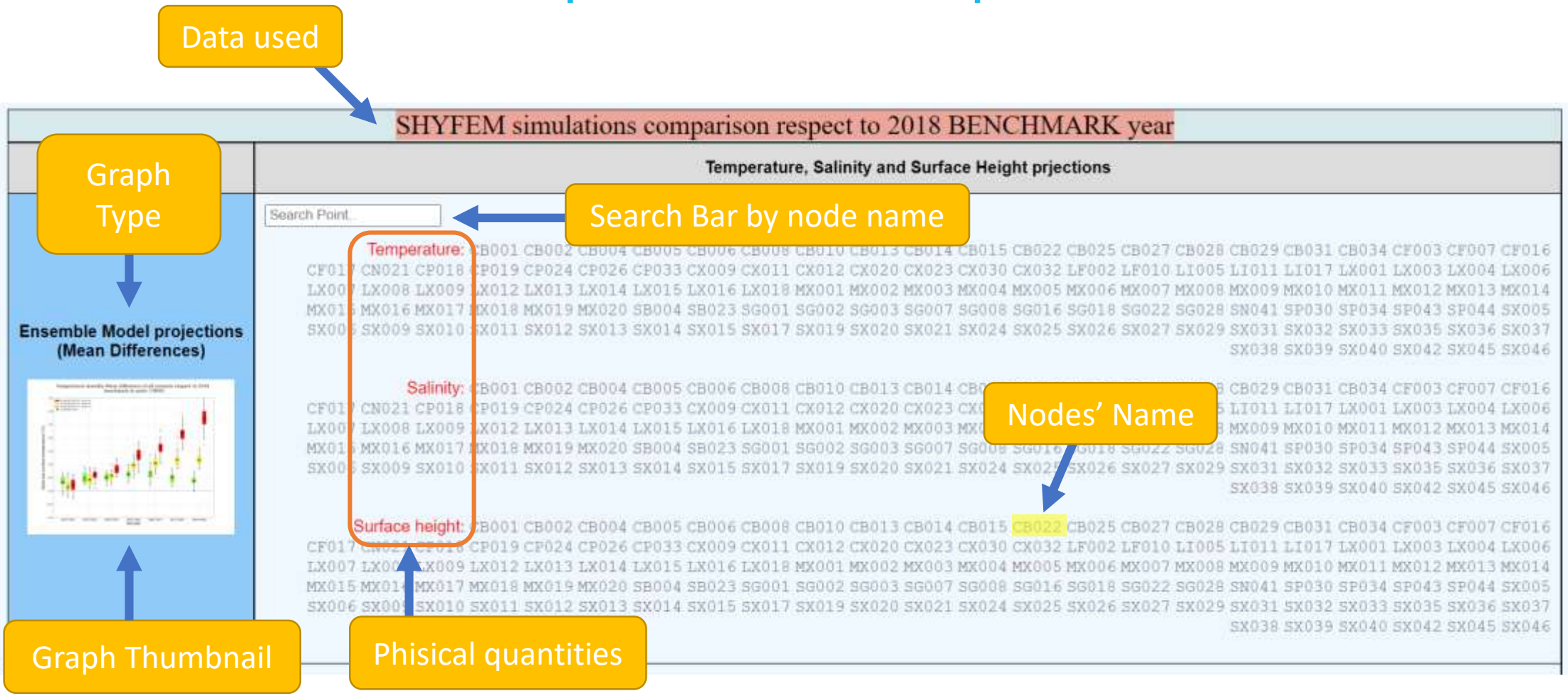


Graph Table

SHYFEM simulations comparison respect to 2018 BENCHMARK year

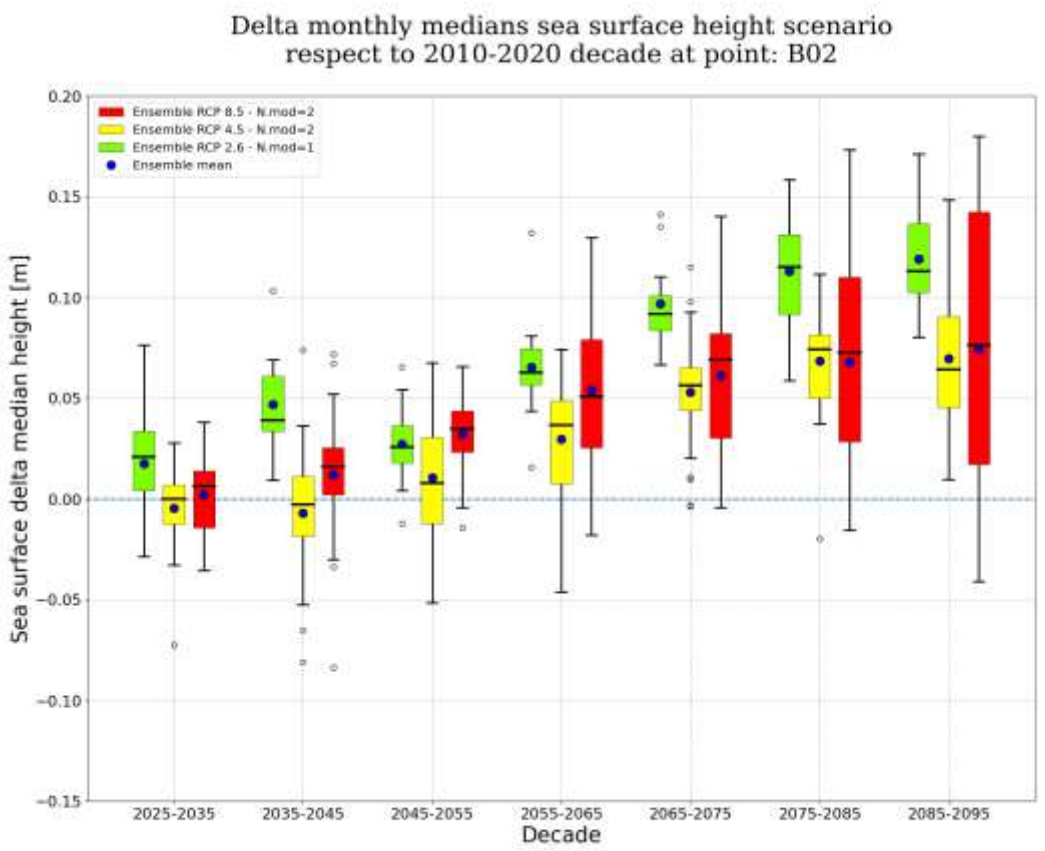
Graphic	Temperature, Salinity and Surface Height prjections

Graph Table description

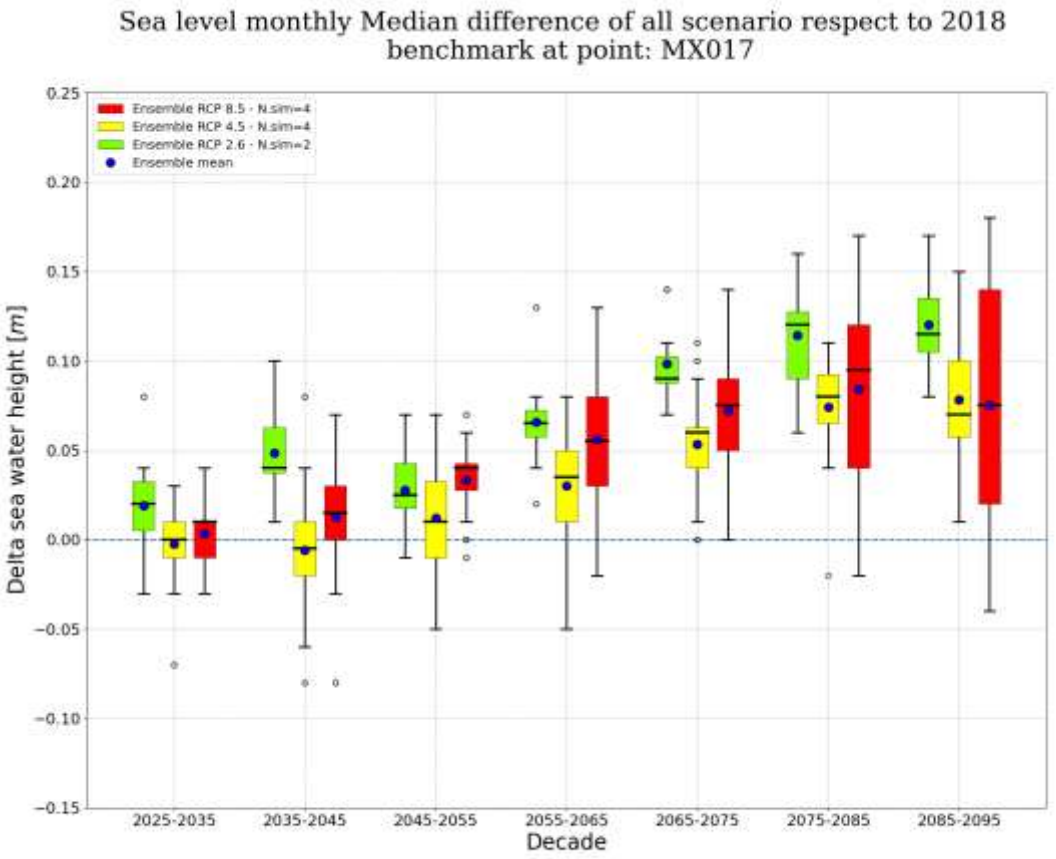


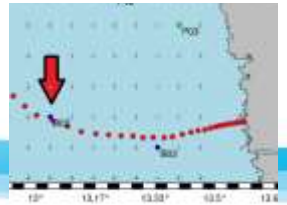
Boxplots Delta Monthly Median Temperature, Salinity and Sea level height

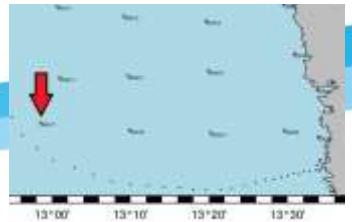
Med-CORDEX data



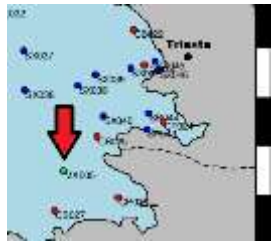
SHYFEM simulation





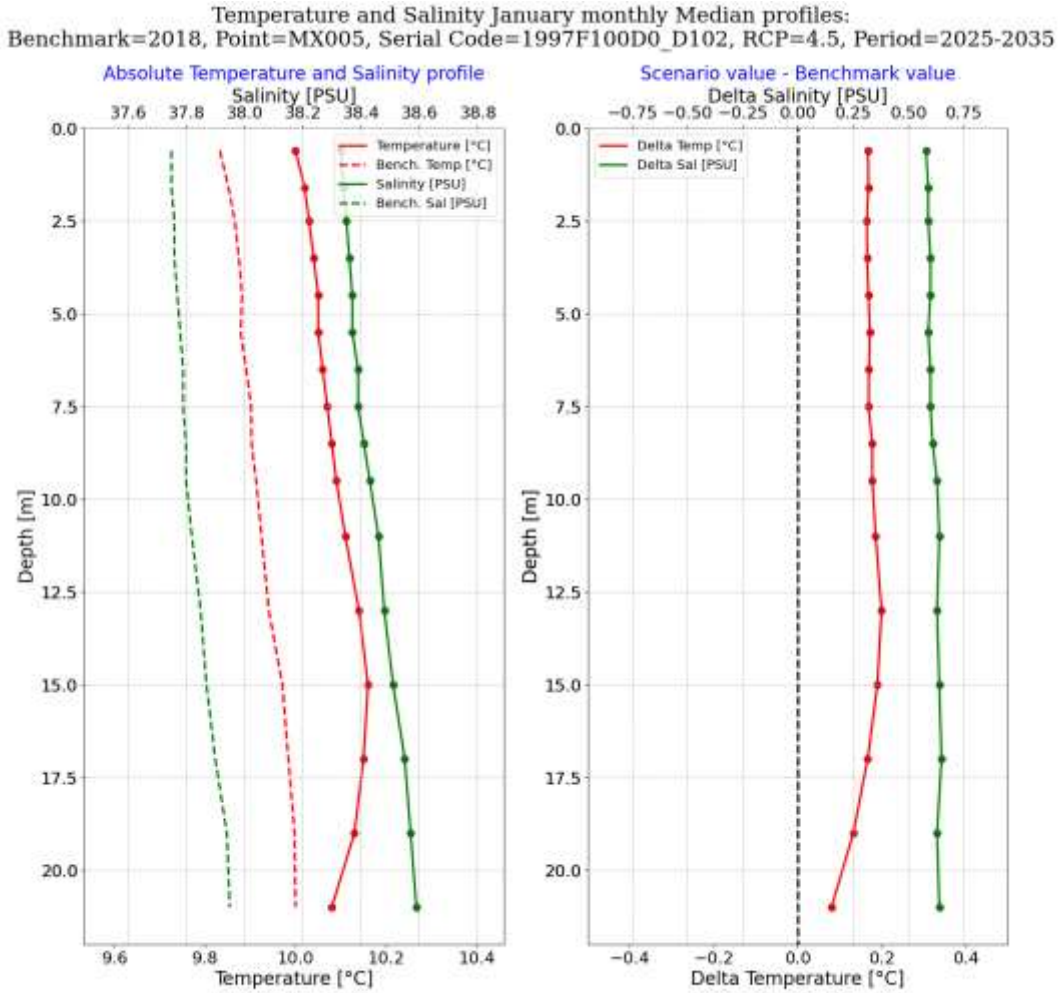


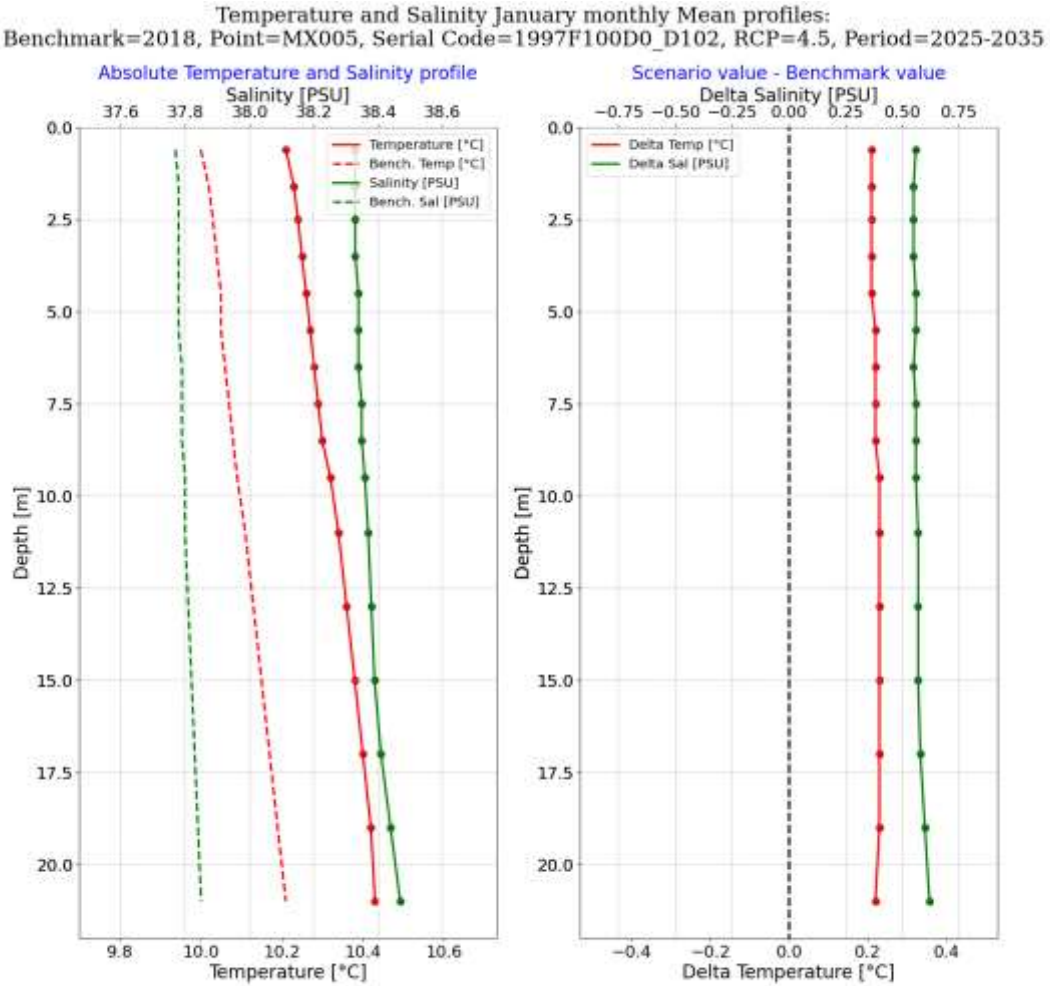
Temperature-Salinity profiles



Nodes available: MX015 SX014 LX007 SG018 SX026 MX005 CX032

Months available: Jan, Apr, Jul, Oct





Foreseen next activities and further developments:

- SHYFEM simulations by CMCC's boundary conditions RCP 8.5 (2006-2050)

- Further sensitivity tests using scientific literature data (IPCC)

CONTACT INFORMATION

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