

Report from CMEMS

# **COPERNICUS MARINE ENVIRONMENT MONITORING SERVICE**



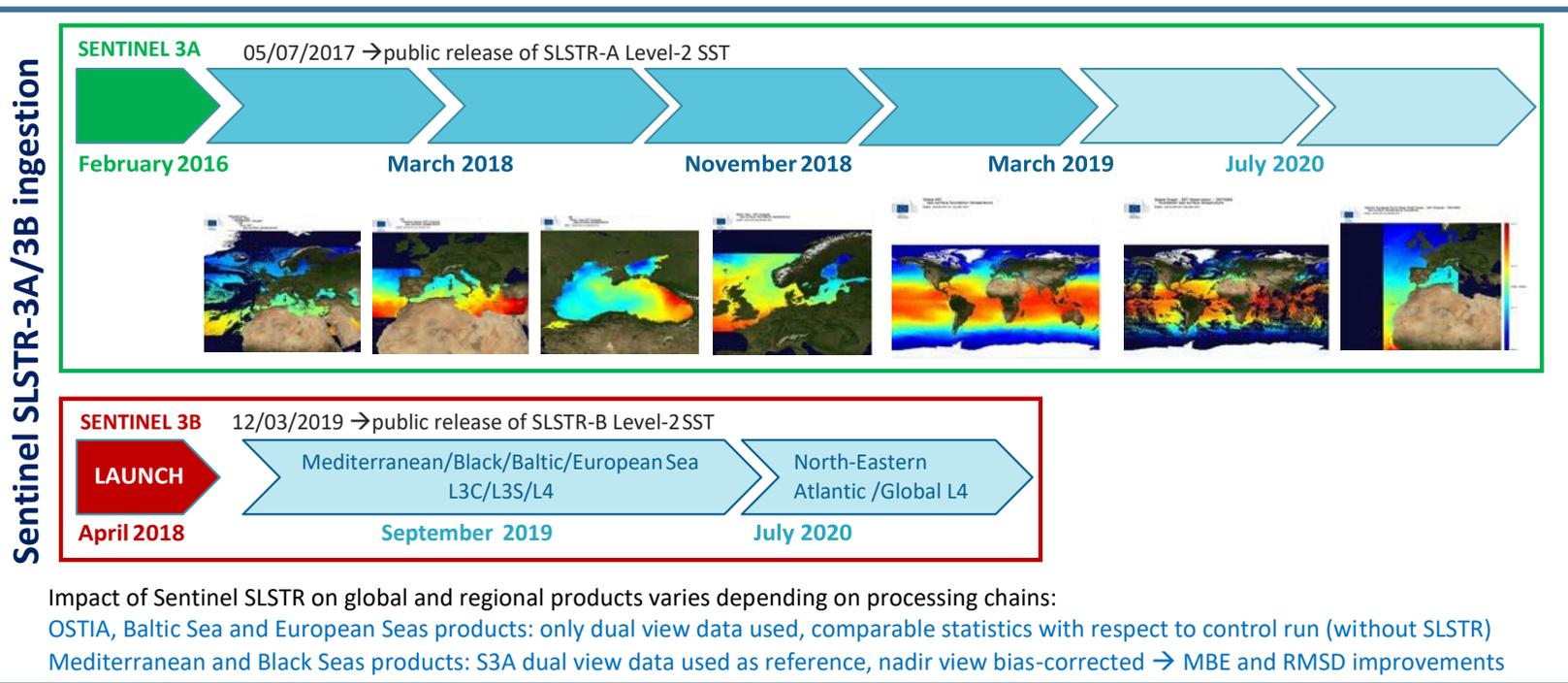
# Update on Copernicus Marine Environment Monitoring Service (CMEMS) Sea Surface Temperature Thematic Assembly Centre (SST-TAC)



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## Main evolutions during 2019:

- Integration of new sensors
- Evolution of processing algorithms
- Upgrade of Multi-Year processing and implementation of Ocean Monitoring Indicators

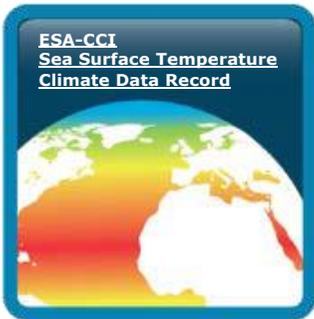




# Reprocessing of global and regional L4 with ESA-CCI/C3S upstream data



## Upstream L2/L3

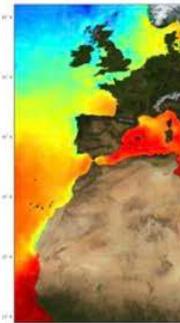


## SST TAC MYPs

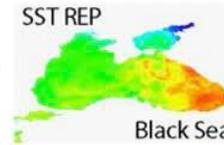
The SST TAC offers global and regional L4 MYPs.

### Global:

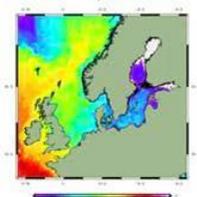
*SST\_GLO\_SST\_L4\_REP\_OBSERVATIONS\_010\_011*  
 (foundation SST, for users who want long-term dataset that is equivalent to the near real time product)  
*SST\_GLO\_SST\_L4\_REP\_OBSERVATIONS\_010\_024*  
 (daily average temperature at 20 cm produced by ESA CCI and C3S for climate research users)



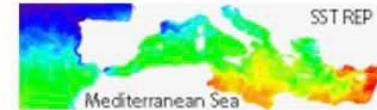
**Atlantic region:**  
*SST\_ATL\_SST\_L4\_REP\_OBSERVATIONS\_010\_026*



**Baltic Sea:**  
*SST\_BAL\_SST\_L4\_REP\_OBSERVATIONS\_010\_016*



**Black Sea:**  
*SST\_BS\_SST\_L4\_REP\_OBSERVATIONS\_010\_022*

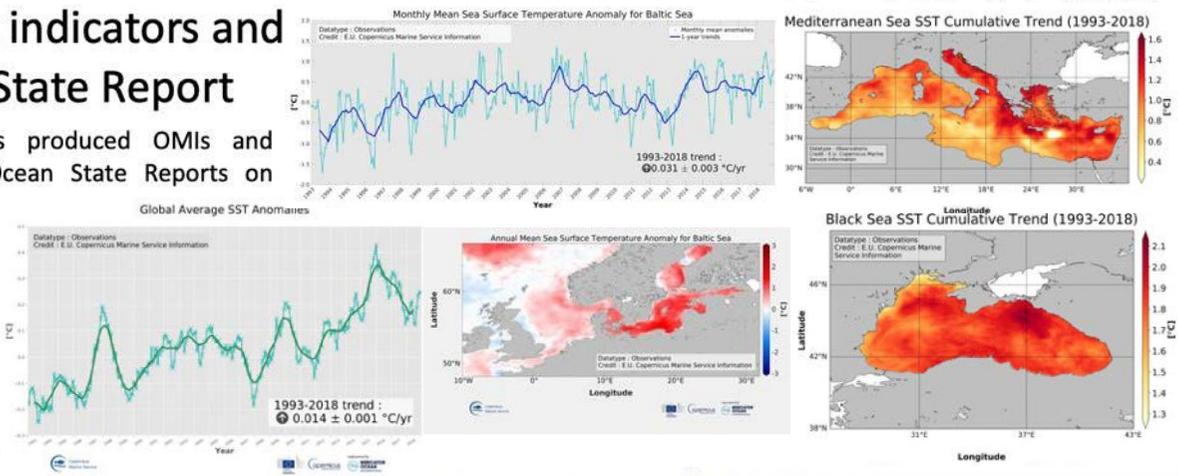


**Mediterranean Sea:**  
*SST\_MED\_SST\_L4\_REP\_OBSERVATIONS\_010\_021*

## Monitoring indicators and the Ocean State Report

The SST TAC has produced OMIs and reported in the Ocean State Reports on regional and global:

- Time series of area averaged SST anomalies
- Maps of trends in SST
- Maps of annual average anomalies in SST



- Consistent upstream among different production unit
- Regular updates through C3S service

