# Sea Surface Warming around the PIM from Satellite observations

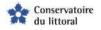




Project: Monitoring of Sea Surface Temperature evolution over the last 30 years from Satellite data around the Small Mediterannean Islands (PIMs)



Prenom Nom- Organisation / Name Sukname - Organization

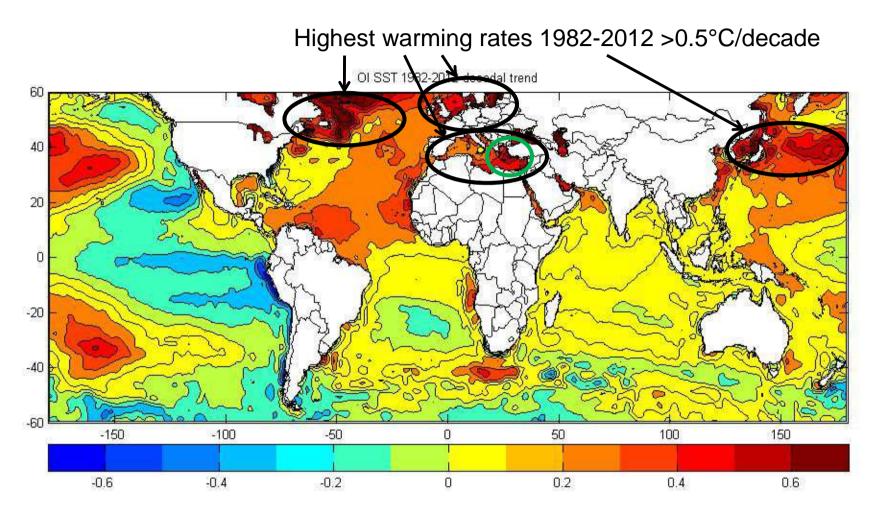






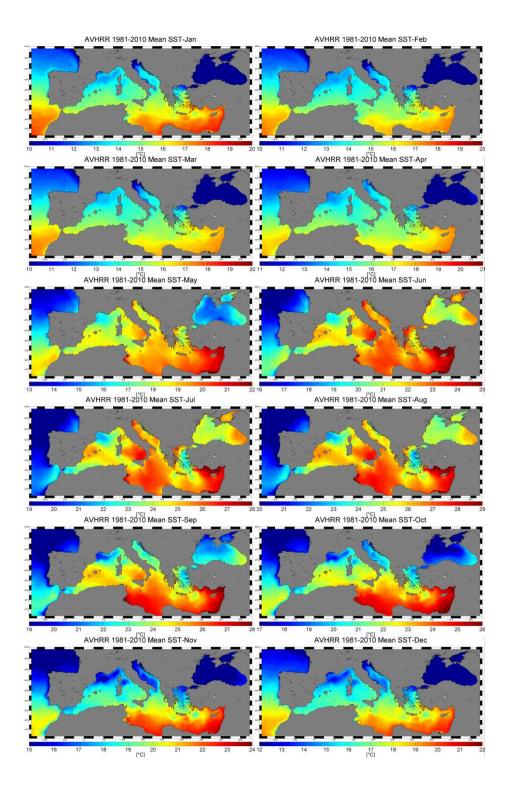


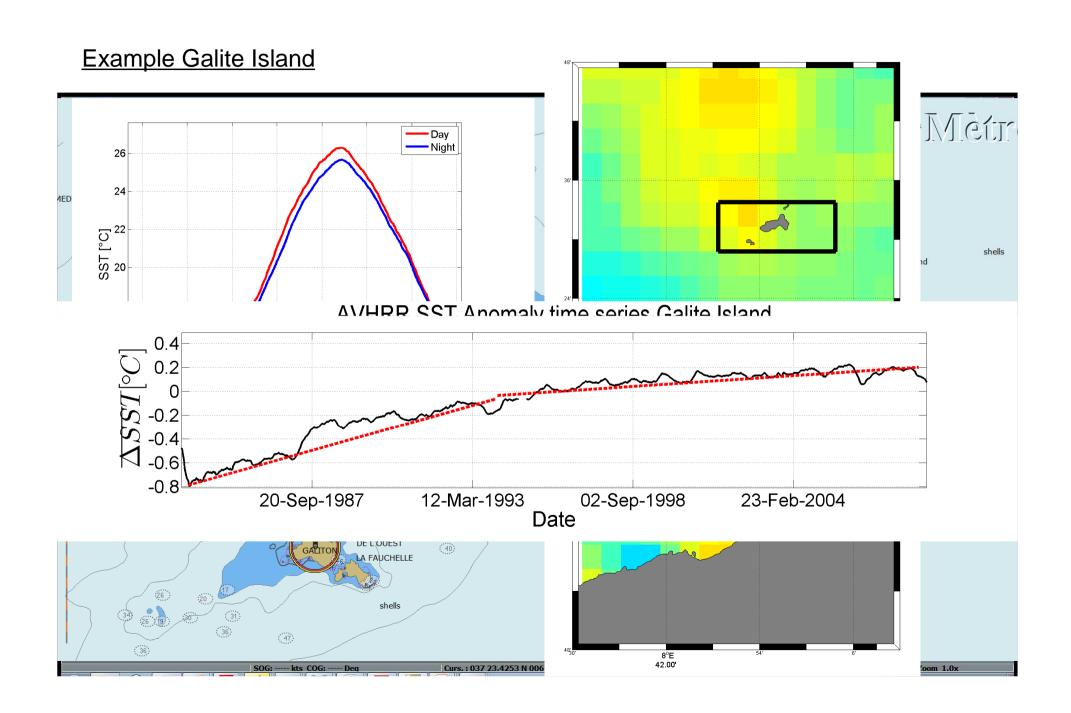




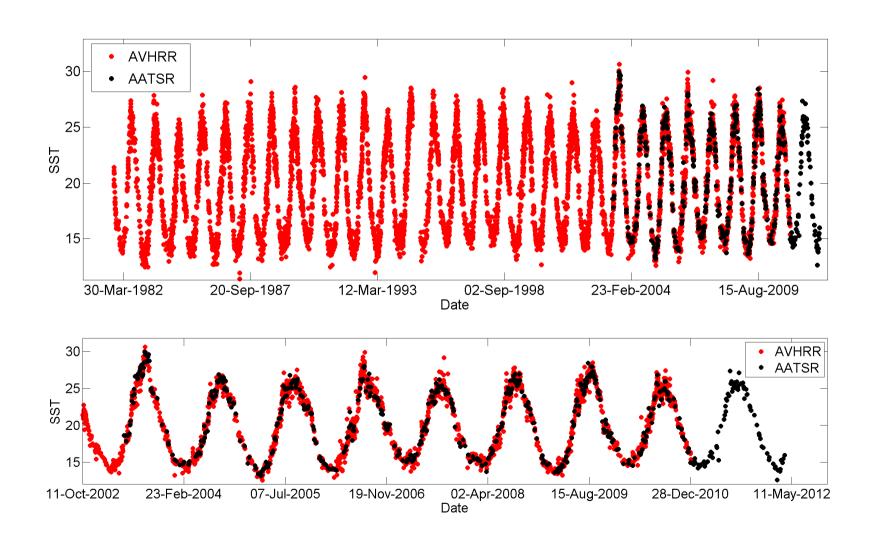
Reynolds OI SST linear decadal trends 1982-2012. Courtesy M. Rouault. University of Cape Town

Cycle Saisonnier Climatologique sur 1981-2010

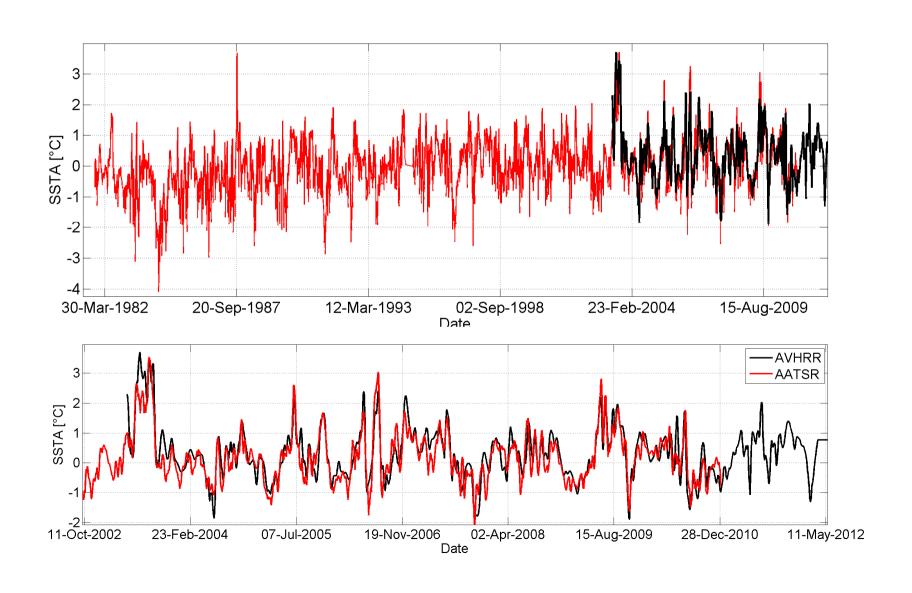




#### Comparison between multi-sources SSTs (here always the galite islands)

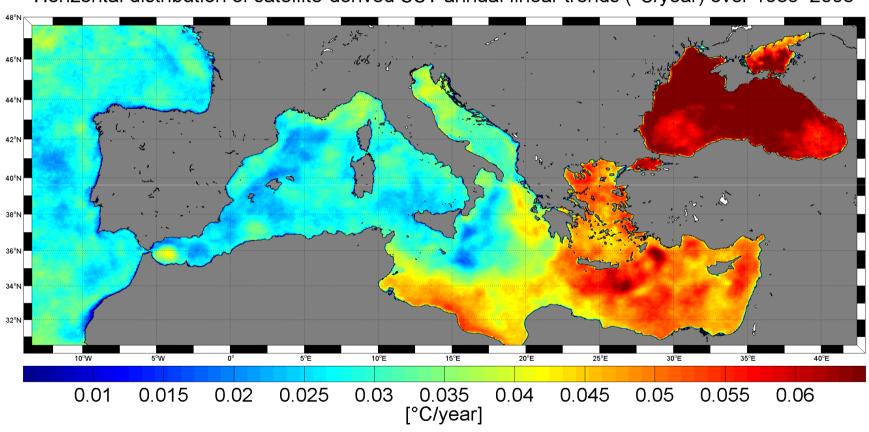


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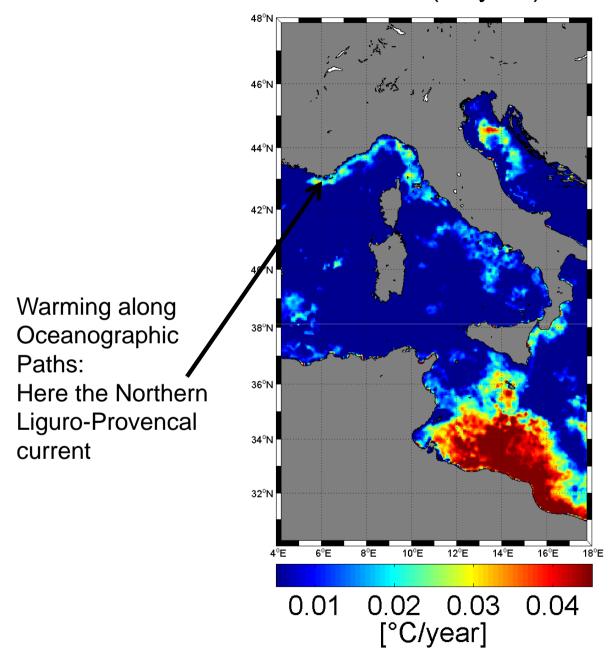


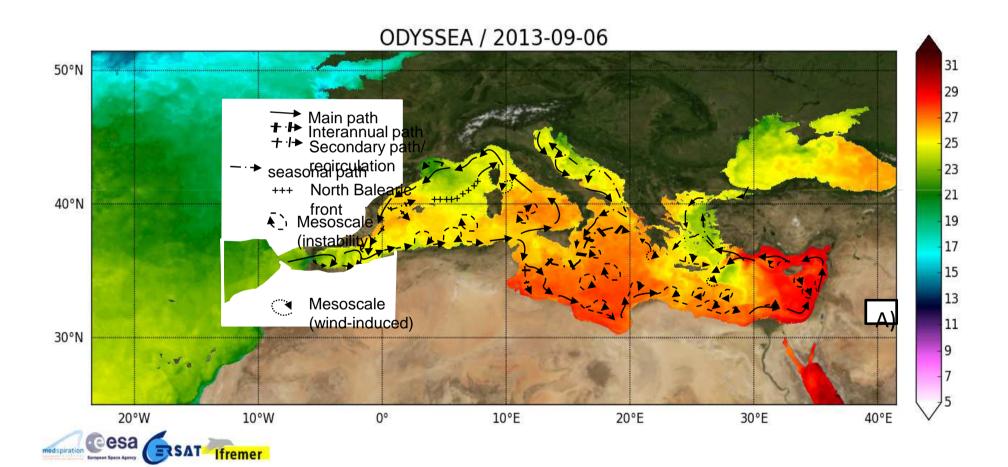
#### Sea surface Warming tendency

Horizontal distribution of satellite-derived SST annual linear trends (°C/year) over 1985–2008



#### SST annual linear trends (°C/year) over 2001–2011

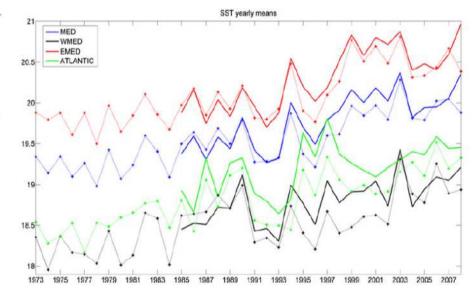




### Sea Surface Warming in the Mediterranean Sea

Skliris et al. (2012) re-analyzed twenty-four year of AVHRR-derived sea surface temperature data (1985-2008)

Fig. 2 Time series of basinaverage yearly mean satellitederived SST over 1985–2008 (solid lines) (a) and NOCSderived SST (dots and crosses) over 1973–2008 (b) for the entire basin (blue), the western basin (black), the eastern basin (red) and the Atlantic area near Gibraltar (green)



## Data base portal & access

Time series of SST Warming trends SST Anomalies

=>Will be made available soon through for each PIM in a web portal

