# Trend values

Parameter	Region	1993-2017 trends	1955-2017	2005-2017
			trends	trends
Sea surface temperature in °C/year	Global Mediterranean Sea Baltic Sea Black Sea Western Pacific Islands Central Pacific Islands Pacific Islands total area	missing +0.04±0.002 +0.03±0.003 +0.07±0.005 +0.03± XXX +0.02± XXX +0.03± XXX		
Sea Level in mm/year	Global Mediterranean Sea Black Sea Baltic Sea North-West-Shelf Irish-Biscay-Ireland Western Pacific Islands Central Pacific Islands Pacific Islands total area	+3.2±0.4 +2.4±0.9 +1.9±2.5 +4.3±2.9 +2.7±0.8 +3.4±0.5 +4.7± XXX +2.8± XXX		
Thermosteric Sea level in mm/year	Global	+1.4 ±0.2		missing
Ocean Heat Content in W/m <sup>2</sup>	Global Mediterranean Sea Western Pacific Islands Central Pacific Islands Pacific Islands total area	+0.9 ±0.2 +0.8±0.1 +2.6± XXX +1.3 ± XXX +1.8 ± XXX		missing
Sea Ice Extent in km2/decade (%/decade)	Northern Hemisphere Southern Hemisphere	-0.77*10 <sup>6</sup> (5.9) +0.08*10 <sup>6</sup> (0.58)		
Chl-a in %/year	Global Western Pacific Islands Central Pacific Islands Pacific Islands total area			+0.62 ± XXX -0.44± XXX +0.68± XXX +0.37± XXX
Oxygen inventory in mol/m²/year	Black Sea		-0.16±0.02	

Compared to figure from last year, still some values and uncertainties are missing (in red). Need to ask for values on Chl-a for other regions (in Europe).

# Figure from OSR2





### SEA SURFACE TEMPERATURE

0.040 ± 0.004 °C/year (MED) 0.033 ± 0.007 °C/year (NWS) 0.075 ± 0.008 °C/year (BS) 0.030 ± 0.007 °C/year (BAL)



#### **TOTAL SEA LEVEL**

- + 3.3 ± 0.5 mm/year (GLOB) + 2.7 ± 0.9 mm/year (MED)
- + 3.3 ± 0.5 mm/year (IBI)

- + 2.6 ± 0.8 mm/year (NWS) + 2.8 ± 2.5 mm/year (BS) + 4.0 ± 2.9 mm/year (BAL)

### THERMOSTERIC SEA LEVEL

+ 1.2 mm/year (GLOB)

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#### **OCEAN HEAT CONTENT**

 $\begin{array}{l} +0.8\pm0.1~\text{W/m}^2~; +0.9\pm0.2~\text{W/m}^2~\text{(GLOB)} \\ +1.3\pm0.2~\text{W/m}^2~\text{(MED)} \\ +0.9\pm0.4~\text{W/m}^2~\text{(IBI)} \\ +0.7\pm0.8~\text{W/m}^2~\text{(NWS)} \\ +0.6\pm0.1~\text{W/m}^2~\text{(Arctic)} \end{array}$ 



1993-2016 trends 2005-2016 trends