



The climate in the Venetian and North Adriatic region: variability, trends and change

workshop

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TOPIC T2. Northern Adriatic sea level and circulation: variability and trends

Sea level variability and trends from satellites observations in the Adriatic and in the Mediterranean Sea in 1993-2008

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Short abstract:

This contribution discusses the sea level change in the Adriatic Sea and in the Mediterranean Sea compared to the global sea level change in the interval 1993-2008 .

Moreover we use satellite-based gravity, sea level data, oceanographic and hydrological model outputs to examine spatially averaged water mass change signal from July 2002 to June 2006 in the Mediterranean Sea. We analyse the impact and relative importance of the various components of mass change and water fluxes on the water budget of the Mediterranean Sea.

In the Adriatic Sea we compare the sea level change derived from altimetry and from the tide gauges at the coast during the interval 1993-2008.