



## **Three ocean state indicators from altimeter products**

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The Sea Level Thematic Assembly Centre from the MyOcean project provides observations of the ocean dynamic topography from altimeter measurements. In order to validate and best make use of the SLTAC products, the ocean state is being monitored through the analysis of ocean indicators based on altimeter data only. Three specific indicators have been developed using the decomposition into principal components (EOF) analysis. The first ocean indicator follows the positive and negative phases of the ENSO events in the Tropical Pacific, the El Ni o/La Ni a events since 1992. The second ocean indicator allows monitoring the state of the Kuroshio current (contracted or extended). The third ocean indicator, dedicated to the Ionian basin in the Mediterranean Sea, allows to discriminate between the two main circulation patterns of the basin, either anticyclonic (for instance before 1997 or after 2006) or zonal (after 1997 or before 2006).