



## Space Observations for environmental monitoring Met-ocean parameters use in AWA areas: Long Term analysis, Operational Oceanography, Research

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### Abstract

In the frame of "space observation" from satellite systems, here for "environmental monitoring" by spatial oceanography, we present the variety of different sea surface parameters (temperature, ocean color, wind, height, sea state,..) by their measurement systems, spatial - temporal resolution and main products freely accessible for oceanographers and fisheries scientists. We present some specifics "AWA" areas applications for "long term observations", dedicated to upwelling activity by time-series studies «indices" products. We also introduce «operational oceanography" applications in Near Real Time at daily time step, with past oceanic cruise survey and recent monitoring phenomenon at regional or local extensions areas. As an example, We details different SSTs satellites retrievals - including 1H - 15 mn time step by Meteosat- with in-situ 2015 MELAX mooring period in Senegal waters with an analysis of uncertainties : observation time, diurnal warming, *in situ* comparison,.. . We conclude by a proposition of setup a satellite products observational plate-form responding of research and operational needs for West African oceanographic communities, in conjunction of capacity building for scientists and technicians.



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## Extended book of Abstract

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**of fisheries and the**  
**marine environment**  
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