

Session 04

Integrated environmental indices for ecosystem management in West Africa

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Abstract

The definition of environmental indices and their regular availability in time is of key importance in the management of marine areas, specially for coastal systems, generally under high anthropic pressure. Such indices, from the physics to the biology, are presented for the West African Upwelling system, in order to monitor the state of the environment, as well as to define possible "reference points" for management purposes as well as for the estimation of political measures. For the Canary current upwelling system, we present several integrated indices that describe some physical and productivity aspects of the system, as well as their ability to be supplied on a regular basis. Such indices also need to be simple, reliable, reproductive and based on homogeneous data sets for the longest possible periods. Comparative ecosystem studies also needs by nature comparable indices, and a compromise has sometimes to be found between usability and ecological pertinence.

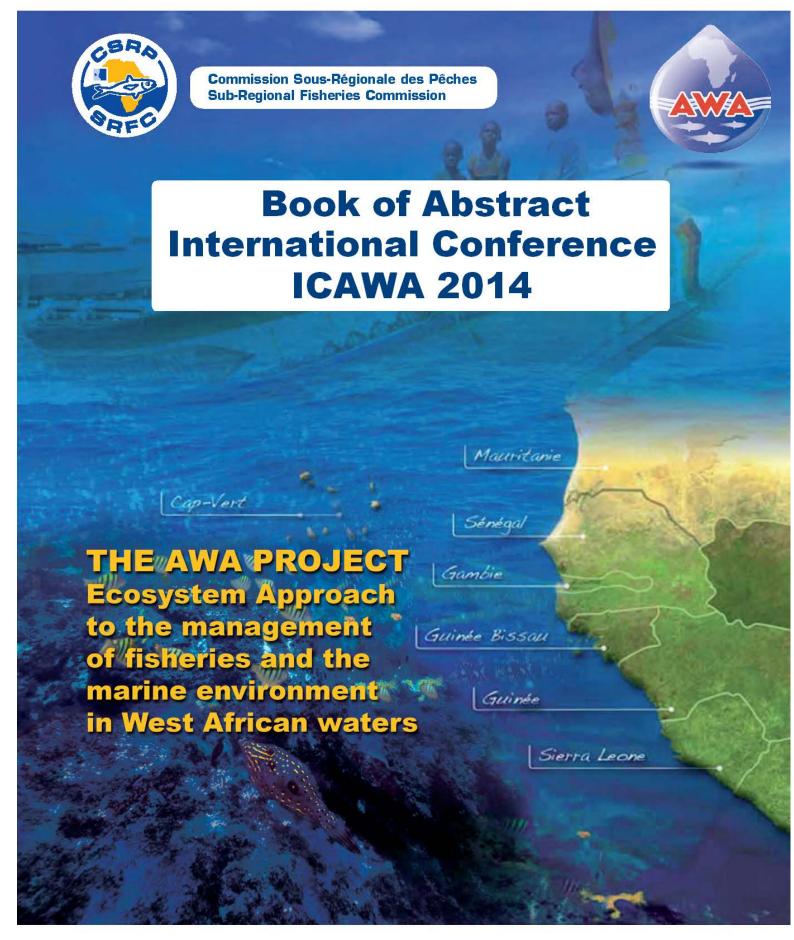
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