

Session ICAWA-4

Impact of subsidies on the dynamics of pelagic small-scale fishery in Senegal

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Abstract

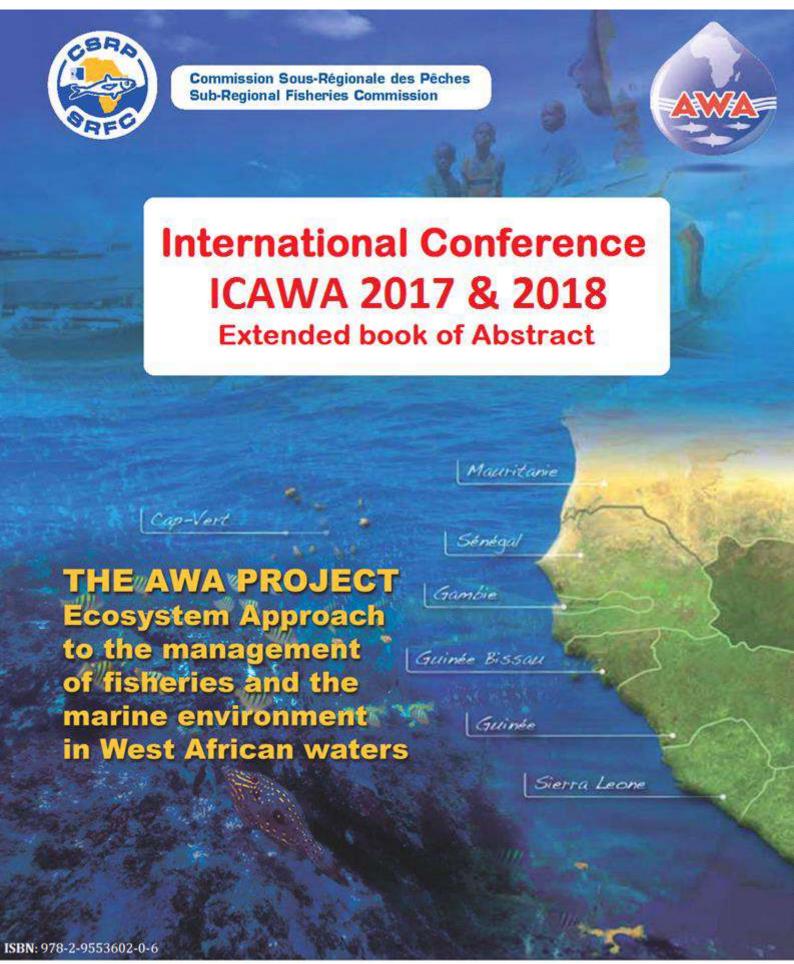
Small pelagic fish are the main fish resource in North West Africa. In Senegal, they are mainly represented by the sardinellas (Sardinella aurita and S. maderensis). The fishery, mostly composed by purse seins and encircling gill nets, is predominantly performed by artisanal fishers and is of great importance for the Senegalese economy and for food security in the region. However this fisheries is totally (engine fuel and fishing gear) subsidized by the state. Because of these effects, sometimes negative, this subsidy is the subject of severe criticism in the world. In such context, the operating conditions for this fishery have changed during the recent years, thus a bioeconomic model is developed to simulate the dynamics of sardinella exploitation and analyze the impact of subsidies on the dynamics of the fishery. This model may also allow managers and decision makers to analyze the responses of the fishery to economic (price, costs), biologic (growth, mortality, recruitment) and management (tax, subsidies, licenses, spatial regulations) parameters.

Keywords: bioeconomics, small pelagic fish, West Africa, fishing policy, subsidies.

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The both last ICAWA edition, 2017 and 2018, was done as a joint event with other closely related meeting. In 2017 with the inauguration of the OSCM in Cabo Verde underlining AWA cooperation with INDP and UNICV as well as Geomar and collaborators. In 2018 ICAWA was join to Preface final meeting following the memorandum of understanding signed a couples of years before between the two consortium and which have led at the end to a common policy session followed by the redaction of a policy brief taking advantage of the results of the both projects. Some abstract aside ICAWA joint session are missing see the orgniser to get more information.

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These two edition of ICAWA were joint with OSCM inauguration and the final meeting of the European preface project, respectively in 2017 and 2018.



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Book of abstract