



Session 04

Review the state of the art on bio-ecological knowledge of *Ethmalosa fimbriata* in North West Africa

Ba Aliou^{1*}, Hamady DIOP², Joern SCHMIDT³, Djiga THIAO¹, Christian CHABOUD⁴ and Patrice BREHMER¹

¹Institut de Recherche pour le Développement (IRD), ISRA/Centre de Recherche Océanographique de Dakar-Thiaroye (CRODT), BP 1386 Dakar, Senegal

²Sub Regional Fisheries Commission, Secretariat Permanent de la CSRP, Karack, Rue KA-38, BP 25485 Dakar - Fann, Senegal

³CAU, University of Kiel, Christian-Albrechts-Platz 4, 24118 Kiel, Germany

⁴Institut Recherche pour le Développement (IRD), UMR Marbec (ex-EME), Avenue Jean Monnet, Sete, France

* Correspondance: Tél: (+221) 70 591 05 85; Courriel: aliou.ba@ird.fr (A. Ba)

Reçu le 09/12/2014; publié le 15/05/2015
AWA © MS WP4_S4_3_81

Abstract

Ethmalosa fimbriata is a clupeid, this exploited fish species is particularly abundant in West Africa. Based on fish landing (in 2005) the specie is reported by FAO from Senegal to Cameroon, more recently they are also reported in Mauritania, but they are really abundant in Guinea. Mainly targeted by small scale fisheries, exploitation of this species contributes greatly to job creation and food security in the sub-region. However, a lack of information on the bio-ecological characteristics of the species (FAO 2012) hinders the effective management of these stocks and any attempt of efficient modeling exercise. On the other hand, the very coastal character of the species makes impossible to estimate its abundance through the acoustic surveys in the area. In this study, we review the state of the art on bio-ecological knowledge of *Ethmalosa fimbriata* in North West Africa. It is emerged from this study all the features that are related to reproduction, growth, distribution and migration of Bonga in West Africa. This will allow us to know more about the species and get an overview on study opportunities in the future. We plan to use the preliminary results of this study as input in biological module of a bioeconomic model planned for the Senegambia area.

Keywords : Small pelagic, clupeid, management, modeling.



Commission Sous-Régionale des Pêches
Sub-Regional Fisheries Commission



Book of Abstract International Conference ICAWA 2014

THE AWA PROJECT
Ecosystem Approach
to the management
of fisheries and the
marine environment
in West African waters

Cap-Vert

Mauritanie

Sénégal

Gambie

Guinée Bissau

Guinée

Sierra Leone



Bundesministerium
für Bildung
und Forschung



Institut de recherche
pour le développement



Liberté - Égalité - Fraternité
RÉPUBLIQUE FRANÇAISE
Ministère des Affaires étrangères
et du Développement international
Ministère de l'Enseignement
Supérieur et de la Recherche

Trilateral German-French-African research initiative

ISBN :978-2-9553602-0-1

Edited by:

Patrice Brehmer (IRD) & Hamady Diop (SRFC/CSRP)

With the collaboration of:

Marie Madeleine Gomez, Ndague Diogoul, Viviane Koutob, Peter Brandt, Bamol Ali Sow, Alban Lazar, Xavier Capet, Heino Fock, Carlos F. Santos, Eric Machu, Hamet Diadihou, Didier Jouffre, Ibrahima Diallo, Joern Schmidt, Amadou Gaye, Mahfoudhould Taleb Sidi, Yves Gouriou, Rafael Almar, Moussa Sall, Dominique Duval Diop, Modou Thiow, Ross Wanless, Jacob Gonzales-Solis Bou, Ibrahima Ly, Dienaba Beye Traoré, Marie Bonnin, Werner Ekau.

ISBN: 978-2-9553602-0-0

SRFC/CSRP – IRD ©2015

Cover design: AWA (BMBF – IRD) project

Logo and flyers: Laurent Corsini (IRD)

Sponsors ICAWA 2014

