
Exploring fishermen behaviour around Moored FADs : the example of air plane survey and vessels positioning system in Guadeloupe and Martinique.

Olivier Guyader^{*†1}, Lionel Reynal², and Manuel Bellanger³

¹Unité de recherche Economie Maritime - UMR AMURE – IFREMER – Ifremer centre de Bretagne BP
70 29280 PLOUZANE, France

²Ifremer - UR de Martinique – IFREMER : RBE-RHANTILLES – Pointe Fort 97231 Le Robert,
Martinique

³UR Economie Maritime - UMR AMURE – IFREMER – Ifremer centre de Bretagne BP 70 29280
PLOUZANE, France

Résumé

In 2008, a first set of collective moored FADs was established in Guadeloupe. This establishment was organized in a context of previous private moored FADs system with few restriction on FADs setting. Air planes surveys were organized to estimate the FADs density in areas where the collective FADs were set in order to identify the potential interactions between them. A strait line transect methodology was used in the western and eastern waters of the Guadeloupe and Martinique islands and a detection fonction was estimated to assess FADs density. This survey shows very high densities of FADs in Guadeloupe and relative low densities in Martinique which can be linked to fishermen strategies. In Parallel, some vessels were equipped with a positioning system to follow their fishing pattern. The paper tries to identify different fishing trip pattern and landing composition to explain density in FADs. Management issues are finally discussed.

Mots-Clés: Moored FADs, fishermen behaviour, monitoring, management

*Intervenant

†Auteur correspondant: oguyader@ifremer.fr