

Title: **Moored Fishing Aggregating Devices Exploitation By Small-Scale Fleets in the Caribbean: Review and Outlook After 20 Years**

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Abstract: Since the 1990s, moored Fishing Aggregating Devices (FADs) have had a sharp success in the Lesser Antilles and beyond, because they make it possible for small nondecked fishing units to reach, at low costs, offshore resources which they could do only seasonally or resources normally accessible by large scale vessels only. After 20 years of experience, the objective of the paper is to carry out an assessment of the impact of FADs on the basis of two case studies; the Guadeloupe and Martinique island fisheries in which two type of management approach have been implemented. Considering the primary objectives of FADs setting, the re-allocation of effort from overexploited coral reefs fisheries to offshore pelagic species and the reduction of seasonality in pelagic fishing yields, the paper analyses their achievement. A set of indicators were established to describe fleet structure, economic returns especially gross margin per metier and effort allocation all over the year. The difference in fishing patterns between the two case studies is tested to explain the gap in FADs density between the two islands. The consequences in terms of network FADs management (collective or private) including investment and maintenance cost around the islands are finally discussed by taking into account FADs interactions and interactions between vessels around FADs.

Key words: Fish Aggregating Device, collective management, interactions, coral reefs fisheries, small-scale fisheries, indicators.