Sustainability, Livelihood, Production and Effort Supply in a Declining Fishery. The case of Kenya's Lake Victoria fisheries
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Fisheries are important resources. In the presence of market and policy failure, fishermen tend to overexploit these resources. Overexploitation compromises ecosystem resilience and, therefore, sustainability of resource use and livelihoods. Production technology and fisherman behaviour, are key facets of the fishery overexploitation problem. As unsustainable production behaviour leads to fishery decline, fishermen become increasingly desperate and switch to more destructive fishing technology and behaviour, initiating a vicious circle. This book analyses these issues for Lake Victoria (Kenyan sector) fisheries. In part one of the book, the symptoms of market and policy failure, as well as the underlying forces, are described. Fishery production functions are developed and estimated, to identify the "key" dimensions of effort, in part two. Resource sustainability implications of fishing technology and the determinants of vessel juvenile fish harvest rates are also analysed in part two of the book. In part three, fisherman effort supply behaviour is analysed with the objective of assessing the feasibility of market-based management instruments. In the last chapter of the book, a feasible management strategy for these important fisheries is proposed and discussed.

Muriira Ikiara (1965) obtained his first degree in science (Bsc. Agriculture), from the University of Nairobi, in 1990. In the same year and at the same university, he started studying economics. In 1993, he obtained his masters degree (M.A. Economics). In March 1994, he began Ph.D. studies at the University of Amsterdam. This book is the product of those studies. Since 1994, Muriira has taken advanced courses in Environmental, Resource and Ecological Economics, from some of the worlds top institutions. These include Harvard (HIID), The Beijer International Institute of Ecological Economics of Sweden, and University of Göteborg (Sweden). Currently, he is working with the School of Environmental Studies (SES) of Moi University, Kenya.