

## **JIMAR/PFRP ANNUAL REPORT FOR 1999/2000**

**Project Title:** Analysis of alternatives for participation in international management of pelagic fisheries (JIMAR project 656536)

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**Funding Agency:** NOAA/Pelagic Fisheries Research Program/JIMAR/University of Hawaii

### **Abstract**

This project is designed to explore alternative fishery management techniques in the context of forthcoming international management of pelagic fisheries in the central Pacific. A broad range of rights-based and co-management approaches to domestic fisheries management have been explored and begun to be implemented in the past ten-twenty years but ideas on international fisheries management remain under old regulatory regimes. This project will use the experience of the Co-PI in exploring how these new techniques might be applied in the international context.

Project funding was delayed until late in 1999; as a result, the project has not yet been initiated except for development of a detailed bibliography.

### **1. Purpose of Project**

The overall objective of this research is to identify salient characteristics of alternative fishery management regimes for application to Hawaii's role in international fisheries. This project will explore game-theoretic (also termed structured decision) models and other decision-support approaches in an international fisheries management setting.

### **2. Progress during 1999/2000**

A detailed annotated bibliography of relevant fisheries literature was prepared.

The project was funded late in 1999 but after alternative plans for the 1999/2000 academic year had been made. Since this project was designed on participation from the academic sector, delays in

funding meant little substantial progress could be made in 2000. Once funding was finally obtained, discussion with potential collaborators was re-initiated. These conversations are on-going.

3. Plans for 2000/2001

Plans for the remainder of 2000 involve collaboration with a academic specialist on game-theory modeling and design of a workshop on developing the game-theoretic approach to fisheries management. This workshop will also be used to refocus the project activity's for the remainder of its funding.

Because funding was delayed, the availability of participants in the project has changed. As a result, new opportunities have been identified but not yet finalized. It is possible that the approach will change to a Post-Doc position rather than utilizing full-time academics.

4. & 5. List of Papers and Technical Reports

None

6. Names of graduates. N/A.

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