## Notice of Publication



AQUACULTURE & FISHERIES INNOVATION LAB

## RESEARCH REPORTS

Sustainable Aquaculture for a Secure Future

Title:

The mobilization of science and technology fisheries innovations towards an ecosystem approach to fisheries management in the Coral Triangle and Southeast Asia

Author(s): Kelvin D. Gorospe<sup>1,2</sup>, William Michaels<sup>3</sup>, Robert Pomeroy<sup>4</sup>, Christopher Elvidge<sup>5</sup>, Patrick Lynch<sup>3</sup>, Supin Wongbusaraku<sup>1,2</sup>, Russell E. Brainard<sup>1</sup>

- 1. Coral Reef Ecosystem Program, Pacific Islands Fisheries Science Center, National Marine Fisheries Service, U.S. National Oceanic and Atmospheric Administration, Honolulu, HI 96818, United States
- 2. Joint Institute for Marine and Atmospheric Research, University of Hawai'i at Mānoa, Honolulu, HI 96822, United States
- 3. Office of Science and Technology, National Marine Fisheries Service, U.S. National Oceanic and Atmospheric Administration, Silver Spring, MD 20910, United States
- 4. Department of Agriculture and Resource Economics, University of Connecticut-Avery Point, Groton, CT 06340, United States
- 5. National Geophysical Data Center, National Environmental Satellite, Data, and Information Service, U.S. National Oceanic and Atmospheric Administration, Boulder, CO 80305, United States

Date: December 2016 Publication Number: AquaFish Research Report 16-363

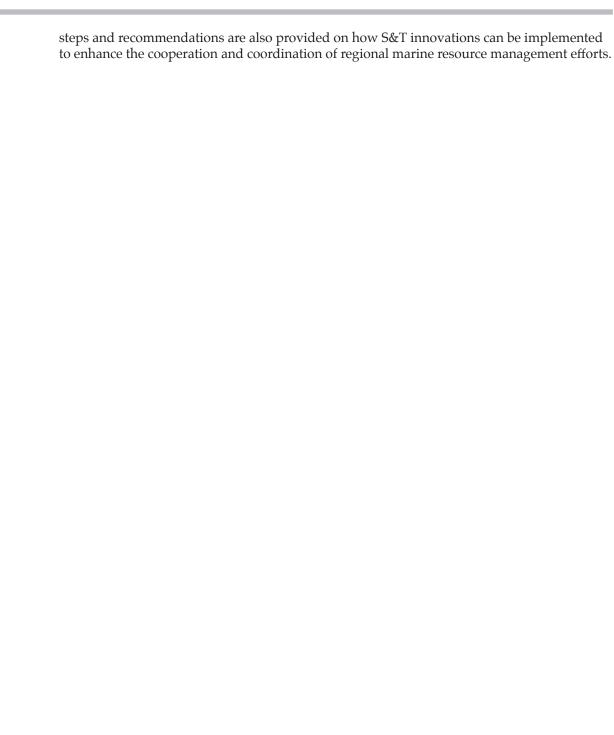
AquaFish will not be distributing this publication. Copies may be obtained by writing to the authors.

Abstract:

Several regional fisheries and marine conservation organizations in the Coral Triangle (CT) and Southeast Asia have indicated their support for an ecosystem approach to fisheries management (EAFM). It is also likely that science and technology (S&T) innovations will play a role in the region for the purposes of filling gaps in fisheries data, enhancing the coordination of fisheries management efforts, and im- plementing and operationalizing an EAFM. Here, we outline the methodology and results of an expert-opinion survey designed to elucidate and prioritize the implementation of these S&T innovations. As a first step and case study, the survey presented here was conducted on U.S. government experts. The U.S. market is one of the world's largest importers of seafood, and therefore, in the framework of this study, is considered to be a stakeholder in the seafood supply chain that originates in the CT and Southeast Asia region. Results are discussed in terms of the data needs and principles of an EAFM, as well as current trends and contexts of the CT and Southeast Asia region. Next

AQUAFISH RESEARCH REPORTS are published as occasional papers by the Management Entity, AquaFish Innovatoin Lab, Oregon State University, Corvallis, Oregon 97331-1643 USA. The AquaFish Innovation Lab is supported by the US Agency for International Development under Grant No. EPP-A-00-06-00012-00. See the website at <aquafishcrsp.oregonstate.edu>.





**AQUAFISH RESEARCH REPORTS** are published as occasional papers by the Management Entity, AquaFish Innovation Lab, Oregon State University, Corvallis, Oregon 97331-1643 USA. AquaFish is supported by the US Agency for International Development under CRSP Grant No. EPP-A-00-06-00012-00. See the website at <aquafishcrsp.oregonstate.edu>.