

# NOTICE OF PUBLICATION

---

POND DYNAMICS/AQUACULTURE COLLABORATIVE RESEARCH SUPPORT PROGRAM



## RESEARCH REPORTS

---

SUSTAINABLE AQUACULTURE FOR A SECURE FUTURE

---

**Title:** Environment, aquaculture, and food policy nexus: Case study of two USAID aquaculture projects in Rwanda

**Author:** Hillary Eгна  
Pond Dynamics/Aquaculture Collaborative Research Support Program  
Oregon State University  
418 Snell Hall  
Corvallis, OR 97331 USA

**Date:** 15 January 2001

**Publication Number:** CRSP Research Report 01-167

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

**Abstract:** This case study centers on some of the institutional networks that evolved in Rwanda around aquatic food resources and how these networks acted as microcosms of the larger system being played out at the national level. The majority of aquaculture activity throughout the 1980s was led by two US Agency for International Development funded projects, the Pond Dynamics/Aquaculture Collaborative Research Support Program and an extension project, the Projet Pisciculture Nationale. Changes brought about by project networks became embedded in Rwanda's cultural, economic, and political structures. Through 15 years of promotion by donors, nontraditional farming technology was gaining a foothold in Rwanda. The case study demonstrates that institutional networks arose not through organizational preplanning but by default. This resulted in few of the planned objectives being as successful as unanticipated outcomes, such as the emergence of women as new technology adopters, the development of a highly successful water quality laboratory, and the inclusion of aquaculture into national policy. Many of the unanticipated results derived from the efforts of expatriates, who promoted aquaculture both actively and passively. While the expatriates were effective, the study questions whether a few external actors should accumulate so much power and influence over development agendas.

This abstract was based on the original publication, a chapter published in D.L. Soden and B.S. Steel (Editors), *Handbook of Global Environmental Policy and Administration*. Marcel Dekker, Inc., New York, pp. 281–314.

---

**CRSP RESEARCH REPORTS** are published as occasional papers by the Information Management and Networking Component, Pond Dynamics/Aquaculture Collaborative Research Support Program, Oregon State University, Snell Hall 418, Corvallis, Oregon 97331-1643 USA. The Pond Dynamics/Aquaculture CRSP is supported by the US Agency for International Development under CRSP Grant No.: LAG-G-00-96-90015-00.