

1 July 2002



**EXPERT CONSULTATION  
ON  
LAND AND WATER USE IN AQUACULTURE  
Towards an improved information basis**

**Rome, Italy, 7-10 October 2002**

**Tentative Programme & Themes**

*N. B.: Please note that this tentative schedule is an outline of the envisaged programme. The schedule may be adjusted to allow for presentations of selected individual contributions and other additional presentations, discussions and working group sessions, as required.*

**Monday , 7 October**

Opening

Introduction: welcoming remarks

**1. Purpose and scope of Consultation**

**2. Brief overview of land and water uses in aquaculture**

including: Current related efforts by FAO such as:.

- i. Work on FAO's aquaculture data base
- ii. Application of GIS and Remote Sensing methods to aquaculture
- iii. Development of aquaculture components for FAO's FIGIS (Fisheries Global Information System)

**Tuesday , 8 October**

**3. Statistical efforts on aquacultural land and water use in selected countries**

A number of selected contributions and presentations will be invited from the below main producing countries. Electronic data sets for 22 countries as available in FAO will be provided to

experts willing to prepare contributions/presentations on aquacultural land and water use in selected countries. Electronic data sets are available for the following countries (see columns 2 and 3 in following table):

(1) Region	(2) FAO datasets available	(3) Other datasets available	(4) Additional contributions expected or to be confirmed
Africa	Egypt		
Americas	Cuba, Ecuador, Mexico		Canada, Chile, USA
Asia-Pacific	Bangladesh, India, Indonesia, Korea Rep., Malaysia, Myanmar, Philippines, Taiwan (Province of China), Thailand	ADB/NACA Farm Performance Study (1994-1995) Bangladesh, Cambodia, China, India, Indonesia, Korea (R.o.), Malaysia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Taiwan (P.o.C), Thailand, Vietnam  China (1994-1998)	Australia, Japan, VietNam
Europe	France, Germany, Greece, Italy, Poland, Norway, Russian Federation, Ukraine		Hungary, Israel, United Kingdom

An important aspect for detailed discussion will be the methods used in different countries for data collection and analysis. Contributions and presentations should make explicit reference to these methods and approaches, and related experiences.

#### 4. Experiences with regional (or multi-country) assessments of land and water resource use in aquaculture

**Asia:** ADB/NACA Farm Performance Study 1994-1995 (Regional Study and Workshop on Aquaculture Sustainability and the Environment)

also:

- AIT Outreach Programme
- SEAFDEC Aquaculture Department
- ICLARM

**Africa:** ICLARM

**Europe:** EIFAC Working Party on Aquatic Resources Management in Aquaculture (1995- to date)

also:

**Central and Eastern Europe**: Experiences and recent efforts by the Fish Culture Research Institute (HAKI), in Szarvas, Hungary.

Others, as available and/or interested, for example:

DFID Aquaculture Research Programme (uncertain)

European Commission DG Fish (?)

Federation of European Aquaculture Producers

Pond Dynamics/Aquaculture Collaborative Research Support Program (PD/A CRSP) (to be confirmed)

### **Wednesday, 9 October**

#### **5. Land and water use in different aquaculture production / farming systems and in different culture environments (inland and coastal / marine waters)**

including:

- i. Land-based systems (rain-fed ponds, ponds, tanks, raceways, irrigated or other flow-through systems);
- ii. Water-based systems (cages, pens, inshore/offshore, rafts, racks, etc);
- iii. Integrated or mixed systems (polyculture, agriculture-aquaculture systems, e.g. rice-fish, livestock-fish, etc);
- iv. Levels of intensity/intensification
- v. Use of fresh, brackish and marine waters (water supplies/sources and areas - lakes, reservoirs, rivers, coastal waters)

#### **6. Land and water use for aquaculture of different species groups, species and commodities**

- i. finfish (carps, salmonids, catfish, tilapia, seabass, seabream, etc.)
- ii. crustaceans (shrimps, prawns, crabs, etc)
- iii. molluscs (oysters, mussels, clams, etc.)
- iv. seaweeds

### **Thursday, 10 October**

#### **7. Experiences, approaches and advances in other sectors dealing with land and water use assessments**

- i. Calculating water use efficiencies comparing aquaculture and other agricultural sectors
- ii. Agricultural water use data
- iii. Agricultural statistics
- iv. Land use evaluation and planning for agriculture

#### **8. Conclusions and recommendations for follow-up activities by FAO**