

FISH AND FISHERIES

NEWS LETTER OF THE FISHERIES TECHNOCRATS FORUM,
CHENNAI-600 006

No. 65

**CONDUCT OF WORKSHOP ON
SUSTAINABLE DEVELOPMENT OF INLAND
CAPTURE AND CULTURE FISHERIES IN
TAMIL NADU**

The Fisheries Technocrats Forum (FTF) in collaboration with the Central Institute of Brackishwater Aquaculture (CIBA) and the Coastal Aquaculture Society of India (CASI) has conducted a 2-day Workshop on "Sustainable Development of Inland Capture and Culture Fisheries in Tamil Nadu" during 29-30 September 2010 at CIBA, Chennai. The inaugural function was held on 29-9-2010. Dr. A.G. Ponniah, Director, CIBA welcomed the invitees. The Workshop was inaugurated by the Hon'ble Dr. Justice A.K. Rajan, Chairman, Coastal Aquaculture Authority (CAA). Mr. K. Sellamuthu, I.A.S., Director of Fisheries was the Guest of Honour, while Dr. P. Krishnaiah, I.A.S., Chief Executive, National Fisheries Development Board (NFDB), Hyderabad delivered the presidential address. Felicitations were offered by Dr. R. Paulraj, Member-Secretary, CAA, Dr. S. Santhanakrishnan, President, Society for Aquaculture Professionals (SAP), Mr. Ali Hussain & Mr. Balaiyan, progressive fish/shrimp farmers. A Souvenir entitled "Inland Fisheries of India-2010" was released by Dr. P. Krishnaiah, I.A.S., Chief

July-September 2010

Executive, NFDB and the first copy was received by Dr. R. Paulraj. Dr. V.S. Chandrasekaran, Principal Scientist and Secretary, CASI proposed a vote of thanks. Totally seven technical sessions, namely, 1) Inland Capture Fisheries of Tamil Nadu and the Present Status of Their Utilization, 2) Fisheries Management in Reservoirs of Tamil Nadu, 3) Aquaculture of Indian Major Carps in Tamil Nadu, 4) Diversification in Freshwater Fish Culture, 5) Brackishwater Shrimp Aquaculture, 6) Diversification in Brackishwater Aquaculture and 7) Policy Issues in Aquaculture Development were conducted, in which, 29 papers were presented. On 30-9-2010, the valedictory function was presided over by Dr. R. Paulraj, Member-Secretary, CAA and the valedictory address was given by Mrs. M.P. Nirmala, I.A.S., Secretary, Animal Husbandry, Dairying and Fisheries, Govt. of Tamil Nadu. After presenting the recommendations, Mr. V. Venkatesan, Chairman, FTF proposed a vote of thanks. This 2-day Works was conducted with the financial support from CIBA, CAA, NFDB, M.P.E.D.A., M/s Raj Hatcheries, Waterbase and Lotus hatchery. A total of 160 personnel (34 from ICAR Fisheries Institutes, 27 from Central/State organizations, 15 from colleges, 4 invited speakers, 13 from private organizations, 38

fish/shrimp farmers and 29 from FTF) have attended the Workshop.

RECOMMENDATIONS OF THE WORKSHOP

1. Treat fish culture as an activity on par with agriculture and extend necessary support.

1.1 Revise power tariff for aquaculture sector on par with agriculture and establish power infrastructure like transformers up to cluster of farms

1.2 Provide affordable insurance coverage to aquaculture farmers

1.3 Recognize the distinct nature of damage to aquaculture due to extreme weather events and extend relief at individual and community level

2. Make land and water bodies available for aquaculture through modification of lease policy, reclassification of land use classes and planned development in an environmentally sustainable manner.

2.1 Reassess and classify suitable brackishwater areas at district level for exclusive coastal aquaculture master plan development

2.2 Evaluate and modify policy for leasing of land and water resources that can be used for aquaculture

2.3 Evaluate and modify policy for environmentally sustainable use of water resources

3. Promote cage culture in reservoirs, irrigation tanks and open brackishwater areas

3.1 Promote cage culture in reservoirs and irrigation tanks

3.2 Promote cage culture in open brackishwater areas and modify relevant policies.

3.3 To have proper EIA & EMP plans for promoting cage culture in reservoirs,

irrigation tanks and open brackishwater areas.

4. Enhance the capacity to produce quality seed and feeds for stocking in reservoirs and for inland aquaculture

4.1 Develop brood stock bank and infrastructure to increase supply of quality seed for stocking in reservoirs and for inland aquaculture

4.2 Promote development of aqua-feed production capacity in private sector

4.3 Develop brood stock bank and establish marine fish hatcheries for supply of seed for brackishwater aquaculture

5. Promote introduction of new species through demonstrations and other promotional steps

5.1 Promote culture of Asian seabass, improved strains of Tilapia, Pangasius, and Murrel for freshwater aquaculture sector

5.2 Promote culture of western white shrimp *Litopenaeus vannamei* and Asian seabass *Lates calcarifer* for brackishwater aquaculture sector

6. Promote group farming for managing common water resources and for brackishwater and freshwater farming

6.1 Promote self governance of reservoirs by stakeholders through group farming

6.2 Promote cluster farming among aquaculture farmers

7. Provide liberal financial assistance for small scale farmers

7.1. Develop funding schemes delinking bank loans for availing government subsidies

7.2 Popularize aquaculture as priority lending under agriculture financing among commercial banks through NABARD assistance and increase the awareness among farmers for these and NFDB funding schemes

8. Develop domestic marketing through modernization and establishment of wholesale and retail markets

8.1 Promote public – private participation for establishment of cold chains,

8.2 Promote public – private participation for modernization and establishment of wholesale and retail markets

9. Provide support for enhancing infrastructure facilities in human resource development institutions to improve skill imparted on inland aquaculture

9.1 Enhance facilities in **human resource development** centers of learning connected with inland aquaculture so that the capacity of these institutions for imparting skills for the graduates and Fisheries Department officials is enhanced.

9.2 Develop programmes for improving the skill of farmers

10. Develop a database for supporting the development of inland aquaculture in Tamil Nadu

11. Develop a Vision Document for the development of inland aquaculture in Tamil Nadu

The organizers will prepare an action plan which identifies ways and means for implementing the recommendations

(The scope of the workshop did not include mariculture and ornamental fish culture)

FISHERIES NEWS

DWINDLING LARGER FISH STOCKS IN THE OCEAN

According to Dr Daniel Pauly, a well known Fisheries Professor from University of British Columbia in Canada, the actual global fish production from world oceans is 150 million t against FAO’s reported yield of 90 million t. Unless, there is a drastic

reduction on fishing pressure, the population of many species ranging from shark to cod will suffer a disastrous reduction within a few decades. The biomass of big fish in the sea has decreased by more than 95 % over the past 100 years. The present rate of exploitation is not sustainable, which will result in the extinct of many species such as cod, flounder, haddock, hake, tuna, etc. by the middle of this century. The world fishing industry has grown very fast by the fact that only 10 million t were landed during 1880, which increased to 35 million t in 1950. Though global marine fisheries provide 15 % of the animal protein consumed by humans, 80 % of fish stocks are either fully exploited, over-exploited or fully collapsed. Until appropriate conservation measures are implemented to sustain the fish yield, there will be only a fewer ocean fish in future.

ALARMING PLASTIC WASTES IN THE OCEAN

An ocean conservationist has estimated that there is approximately 143 billion kilograms (=315 billion pounds) of plastic wastes in the world oceans.

STAMPS ON ECHINODERMS





Invited dignitaries at Inaugural function



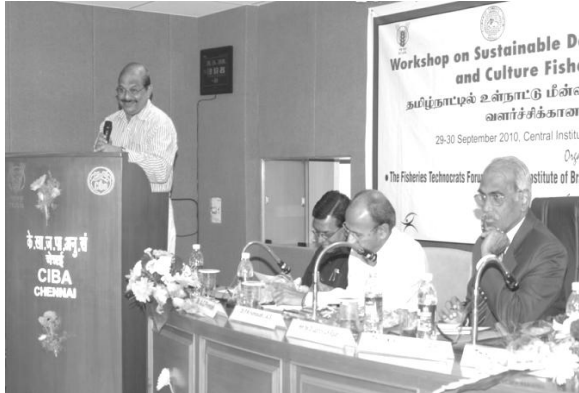
Felicitiation by Dr R. Paulraj, Member-Secretary, CAA



Presidential address by Dr. P. Krishnaiah, I.A.S., Chief Executive, NFDB



Mr V. Venkatesan, Chairman, FTF presenting recommendations



Mr. K. Sellamuthu, I.A.S., Director of Fisheries delivering Guest of Honour's address



Mrs M.P. Nirmala, Fisheries Secretary delivering valedictory address



Participants