

Preparation of this document

This technical paper was prepared by a group of experts under the leadership of Dr Mohammad R. Hasan as a part of the Food and Agriculture Organization of the United Nations (FAO) Aquaculture Service's (FIRA) ongoing regular work programme on "Studies, reviews, guidelines and manuals on use of feed and nutrient in sustainable aquaculture development", under the organizational output "Aquaculture practices and technologies that comply with the Code of Conduct for Responsible Fisheries (CCRF) are developed and promoted".

This technical paper reviews the current status of on-farm feeding and feed management in aquaculture. It contains a) ten case studies on feeding and feed management practices carried out in seven selected countries of Asia (i.e., Bangladesh, China, India, Thailand, Viet Nam) and Africa (i.e., Egypt, Ghana) for eight species belonging to four major farmed species of freshwater finfish and shellfish: shrimp and prawns, Nile tilapia, striped catfish and Indian major carps; b) an analysis of the findings of these ten case studies and a case study for Indian major carps in India (published separately¹); c) ten invited specialist reviews on feed management practices from regional and global perspectives and d) an overview of the current status of feed management practices with information drawn from the case studies, the invited reviews and other related publications. In addition, a targeted workshop entitled "On-farm feeding and feed management in aquaculture" was convened in Manila, the Philippines, from 13–15 September 2010 where all the above case study reports, analysis of case studies and invited review papers were presented. The workshop was organized by the Fisheries and Aquaculture Department Aquaculture Service (FIRA) and was hosted by the Southeast Asian Fisheries Development Center Aquaculture Department (SEAFDEC/AQD), Iloilo, the Philippines. The report of the workshop was published as a FAO Fisheries Report (www.fao.org/docrep/013/i1915e/i1915e00.pdf).

Before editorial work, the manuscripts in this technical paper were reviewed for technical content, FAO house style and linguistic quality by Dr Richard Arthur for the invited reviews and synthesis paper and by Dr Thomas Shipton for the case studies. For consistency and conformity, scientific and English common names of fish species were used from FishBase (www.fishbase.org/search.php).

Much gratitude is due to the authors of the invited reviews and case studies, who faced an enormous task and showed tremendous patience with the editors. Ms Tina Farmer and Ms Marianne Guyonnet are acknowledged for their assistance in quality control and FAO house style. Mr Koen Ivens prepared the layout design for printing, and Ms Danielle Rizcallah provided miscellaneous assistance. The publishing and distribution of the document were undertaken by FAO, Rome. Finally, Jiansan Jia, Chief of the Aquaculture Branch of the FAO Fisheries and Aquaculture Department is acknowledged for providing the necessary support, advice and insight to initiate the study and to complete the publication.

This publication is organized in three sections: a) Overview and Synthesis, b) Case Studies, and c) Invited Reviews. The publication is printed with the first section "overview and synthesis" while the whole volume is available on a CD-ROM accompanying the printed part of this publication.

¹ Ramakrishna, R., Shipton, T. & Hasan, M.R. 2013. Feeding and feed management of Indian major carps in Andhra Pradesh, India. FAO Fisheries and Aquaculture Technical Paper No. 578. Rome, FAO. 90 pp.