Training Course on Tilapia Breeding and High-yield Farming Techniques for Developing Countries

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<tr><td>Full Name</td><td colspan="3">Training Course on Tilapia Breeding and High-yield Farming Techniques for Developing Countries</td></tr>
<tr><td>Organizer</td><td colspan="3">Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences</td></tr>
<tr><td>Holding Time</td><td>November 9-December 8, 2022</td><td>Language</td><td>English</td></tr>
<tr><td>Invited Countries</td><td>Developing Countries</td><td>Planned Number of Participants</td><td>25 in total</td></tr>
<tr><td>Objectives</td><td colspan="3">To enable participants to understand the theory, practical techniques, practical cases, and applied research of Chinese tilapia seed breeding and high-yield technology; participants can apply relevant techniques to the domestic tilapia breeding and production according to the content they have learned, and can combine the actual situation of the country to put forward relevant suggestions that help fishery development and cooperation.</td></tr>
<tr><td rowspan="5">About the Participants</td><td>Background</td><td colspan="2">——Field or major：fishery, aquaculture or any related with biology
——Position： fishery-related government officials, university teachers, scientific research personnel, grassroots technical personnel, extension officials, business personnel and farmers, etc.
——Level, academic degree or other relevant qualification requirements: none</td></tr>
<tr><td>Age</td><td colspan="2">Not higher than the statutory retirement age</td></tr>
<tr><td>Physical Health</td><td colspan="2">Ability to attend online training courses on time</td></tr>
<tr><td>Language</td><td colspan="2">Capable of listening, speaking, reading and writing in English</td></tr>
<tr><td>Others</td><td colspan="2">Able to use the ZOOM platform and participate in the project schedule throughout the process</td></tr>
<tr><td>Course Content</td><td colspan="3">1. Main content introduction
(1) Overview of China’s national status: mainly introducing the development status of China’s politics, economy, society, culture, etc. and achievements in the past 70 years since the founding of PRC and 40 years since the reform and opening up;
(2) International cooperation of Covid-19 prevention and control: mainly introducing China’s contribution in the foreign-aid and international cooperation against Covid-19;
(3) Module 1—Tilapia breeding and farming technology:
——Artificial breeding of tilapia, mainly introduces the basic theory and methods of tilapia breeding, brooder selection, seed production, seed farm design and construction.
——Tilapia high-yield culture technology, mainly introduces the high-yield technology, healthy management, nutrition and feed development and other aspects of tilapia large-scale culture technology.
(4)Module 2—Development and practice of tilapia industry:
——The development and practice of tilapia industry in China, mainly introduces the development history of Chinese tilapia and related case studies.
——Tilapia farm operation and management, mainly introduces the role and application of community fishery development and fishery cooperative models in industrial cooperation.
——The applied technologies of tilapia industry, mainly introduces the technical system of Chinese tilapia import and export management, processing, storage and transportation technology and network information technology.
(5)Module 3—Fishery industry development:
——China’s fishery industry development and policies, mainly introducing the construction and development of cooperatives with leading enterprises as the core and various specialized cooperative organizations, as well as relevant government support and guarantee policies.
——The development of fine breeding system, mainly introducing the technical system and related supporting policies.
——Aquatic product quality & safety control, mainly introducing China”s aquatic product safety and</td></tr>
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	quality control technology and management system. ——Fishery product marketing management, mainly introducing the fishery product marketing strategy and the construction of the circulation system. 2. Introduction to Cloud Visit (1) It is planned to arrange for participants to visit the tilapia breeding farm, artificial breeding base, etc., and conduct online inspections and exchanges on the selection and breeding of tilapia; (2) It is planned to arrange for participants to visit large-scale tilapia farming bases and enterprises, and conduct online study tours on the planning, construction, breeding business model and technology application. 3. Introduction to presenters (1) Xu Pao: Ph.D., Professor, PhD advisor of Nanjing Agricultural University, current DG of Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences, Dean of Wuxi Fisheries College of Nanjing Agricultural University, Chief Scientist of Chinese Academy of Fishery Sciences; Main research fields: fish genetics breeding, ecological aquaculture of high-value freshwater species, purification fishery and fishery industry research; (2) Ge Xianping: Ph.D., Professor, PhD advisor of Nanjing Agricultural University, current Deputy Director General of Freshwater Fisheries Research Center of the Chinese Academy of Fishery Sciences, Chief Scientist of China Agriculture Research System (Conventional Fish), and the Chief Scientist of the Chinese Academy of Fishery Sciences; Main research fields: aquatic animal nutrition and feed, healthy aquaculture; (3) Dong Zaijie: Ph.D., Professor, PhD advisor of Nanjing Agricultural University and Shanghai Ocean University, current Deputy Director of Genetics & Breeding Division of Freshwater Fisheries Research Center of the Chinese Academy of Fishery Sciences, Principal Scientist in the National Technology Research System of Major Freshwater Fish Industry, middle-aged experts with outstanding contributions to the country; Main research fields: genetic basis of aquatic animals, breeding technology, propagation technology and breeding demonstration and promotion, etc.; (4) Zhu Jian: Professor, MsC advisor of Nanjing Agricultural University and Shanghai Ocean University, currently the Director of the Scientific Research Division of Freshwater Fisheries Research Center of the Chinese Academy of Fishery Sciences, Scientist of China Agriculture Research System (Conventional Fish); Main research fields: ecological and healthy aquaculture, integrated fish farming; (5) He Jie: Ph.D., Professor, MsC advisor of Nanjing Agricultural University; Main research fields: Tilapia breeding, healthy aquaculture, selection and breeding of tilapia new varieties, farming modes and stress regulation mechanism of tilapia and yellow catfish. 4. Materials to be prepared by the participants In order to facilitate communication with Chinese experts, please prepare the materials related to training topics, such as: ① The development status and existing problems of tilapia culture field; ② The foundation and future direction of cooperation with tilapia industry in China.
Host City	Wuxi City / Cities for Cloud visit / Yangzhong City and Yixing City of Jiangsu Province
Notes	1. ZOOM platform will be used for online training. 2. During the training, participants are requested to abide by the schedule time and training discipline. Attendance records will be used as the basis for issuing training certificates. 3. Class preparation: Participants are required to enter the ZOOM room 15 minutes in advance. And personal name needs to be changed into English (name-country name). 4. Disciplinary requirements: During the implementation, please strictly abide by the project schedule. 5. Participants are required to prepare relevant materials for the training according to the schedule. 6. The course is equipped with online simultaneous/consecutive interpretator.
About the Organizer	Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences (FFRC) was established in 1978. It is a comprehensive institution for fisheries research and development, combining together scientific research, teaching and training, technology transfer and information exchanges within the National Agricultural Sci-tech Renovation System. It has 8 research divisions, 5 technical practice bases and 13 technological innovative platforms such as 2 international joint laboratories; Designated Institution for Clinical Test on Fishery Medicines, MARA; Institution for Effectiveness Testing of Feed and Feed Addictive, MARA; Genetic & Breeding Center for Tilapia, MARA, etc.. It is the leading institute

	for the Key Laboratory of Freshwater Fisheries and Germplasm Resources Utilization, and the National Technology Innovation Systems for Conventional Freshwater Fishes (CARS-46) and for Tilapia (CARS-49) of the Ministry of Agriculture. FFRC has 197 staff members, of which there are 62 professors, 11 PhD advisors and 39 MSc advisors in aquaculture sciences. Since its establishment, FFRC has been awarded with 10 national level prizes, 70 provincial or ministerial level prizes and has acquired over 300 authorized patents of invention. In 2014, FFRC was authorized as FAO Reference Centre for aquaculture and inland fishery research and training. In 2018, the Agriculture Minister Han Changfu and Director-General of FAO jointly issued the "China-FAO Special Contribution Agency for South-South Cooperation Reward" to FFRC. In 2021, FFRC was authorized as "China-Africa Joint Center for Modern Agricultural Technology Exchange, Demonstration and Training". As an important component of FFRC, the Asian-Pacific Regional Research and Training Centre for Integrated Fish Farming (IFFC) has been consecutively conducting over 190 international training courses and seminars in fishery and aquaculture since 1981. These training programs covered a wide topics, such as integrated fish farming, pond fish farming, land-based aquaculture, industrialized aquaculture, technical extension, fish seed production, fish feed development, fishery environment and climate change, plan and policy for fishery development, processing technology of aquatic products, quality and safety of aquatic products, value-added fishery products development, healthy management and quarantine of aquatic animals, etc.. Up to now, over 6180 senior fisheries technical and managerial personnel from over 134 countries and regions have been trained. In 2011, it was certified with the ISO9001 Quality Management System Certificate in education and training. Meanwhile, the MSc and PhD programs were initiated in 2011 and currently 20 oversea students are studying at FFRC.
Contact of the Organizer	Contact：Ye Wei（Mr.） Tel：0086-510-85555112 Mobile：0086-15961800794 Fax：0086-510-85555112 Email：yewei@ffrc.cn