

Seminar on Green Fishery Development for Developing Countries

Project Description

Full Name	Seminar on Green Fishery Development for Developing Countries		
Organizer	Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences		
Holding Time	July 28- August 17, 2022 (21days)	Language	English
Invited Countries	Developing Countries	Planned Number of Participants	30 in total
Objectives	To enable participants to have a deeper and more thorough understanding of the current development of the fishery industry in China, build a platform for sharing and exchanges for officials in the field of fishery, and actively consider about the development strategy of the fishery structure adjustment in the post-epidemic era, achieving the goal of realizing the green, ecological and sustainable fisheries.		
About the Participants	Background	<p>—— Field or major : fishery, aquaculture or any related with fishery administration</p> <p>—— Position: fishery-related government officials, university teachers, scientific research personnel, extension officials, business personnel and farm owners, etc.</p> <p>——Level, academic degree or other relevant qualification requirements: fishery management personnel/fishery official</p>	
	Age	Not higher than the statutory retirement age	
	Physical Health	Ability to attend online seminar courses on time	
	Language	Capable of listening, speaking, reading and writing in English	
	Others	Able to use the ZOOM platform and follow the schedule throughout the whole course	
Course Content	<p>1. Main content introduction</p> <p>(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;</p> <p>(2) International cooperation of Covid-19 prevention and control: mainly introducing China’s contribution in the foreign-aid and international cooperation against Covid-19;</p> <p>(3) Module 1—Green fishery industry development:</p> <p>——Overview of the development of the global fishery industry, mainly introduces the market demand for global fishery products, the development of the global fishery industry, and the development prospects of the global fishery, etc.;</p> <p>——The development of China’s green fishery industry, mainly introduces the overview and main progress of the development of China’s modern fishery industry, aiming to enhance the participants’ understanding of China’s green fishery industry and share successful experiences and lessons;</p> <p>——China’s green aquaculture development strategy and policies, mainly introduces how to strengthen the construction of the industrial support system, improve the technical extension service capacity, improve the construction of the quality inspection system for aquaculture products, and build a modern aquaculture production system;</p> <p>——Innovation of aquaculture technology and model, mainly introduces the innovation of aquaculture space layout, develops advanced aquaculture models, and leads the green development of aquaculture industry by creating a new model of modern aquaculture;</p> <p>——Fishery informatization construction and management, mainly introduces the development and application of fishery basic database, fishery information network construction and development, and the application of geospatial information science and technology in fishery;</p>		

——Recreational fisheries sustainable and healthy development, mainly introduces the development prospects of recreational fisheries, related systems and standards, recreational fishery development plans, etc., aiming to further expand fishery functions, transform fishery development methods, and improve the quality and efficiency of fishery development;

——The competition pattern of China's aquatic products market, mainly introduces industry competition situation, market concentration analysis and market segmentation, etc.

(4) **Module 2**—Green Fishery management:

——Green fishery development policies, laws and regulations, mainly introduces the development of China's fishery laws and regulations, the update and innovation of fishery laws and regulations, etc;

——The conservation and management of fishery resources and the protection and management of rare aquatic animals, mainly introducing the management and protection methods of fishery resources in China, the conservation and rational use of fishery resources, focusing on the exchanges on national policies such as the construction of marine ranching and the ten-year ban on fishing in the Yangtze River;

——Water ecological restoration technologies and strategies, mainly introduces the comprehensive restoration scheme of physics, chemistry and biology, simulate the construction of natural ecosystems, build aquatic animals, plants and microorganisms, so as to stabilize the ecosystem, and pay attention to the self-purification ability of waters;

——The construction of original and improved aqua-brooder system in China, mainly introduces aquatic breeding technology, propagation technology, demonstration and promotion;

——The development of China's aquatic feed system and aquaculture feeding management, mainly introduces China's aquatic feed industry system, the nutritional requirements of common fish, and the typical feed formula design and feeding management;

——The prevention and control management of aquatic diseases, mainly introduces the characteristics of common fish diseases, the prevention and control countermeasures of fish diseases, the development and development prospect of aquatic vaccines, etc.;

——Aquatic product quality safety and control management, mainly introduces China's aquatic product safety and quality control technology and management system;

2. Introduction to Cloud Visit

(1) It is planned to virtually visit the modern green fishery industrial park, and conduct online investigation and exchanges on green fishery and ecological aquaculture;

(2) It is planned to virtually visit fishery authorities and research institutions and conduct online exchanges on the fishery administration and technology innovation.

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) Zhu Jian: Professor, 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 aquaculture, fish genetics breeding;

(4) Liu Bo: Ph.D., Professor, PhD advisor of Nanjing Agricultural University, Master supervisor of Shanghai Ocean University, visiting scholar of Purdue University, current Director of Aquatic Diseases and Feed Research Division of Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences, National Shrimp and Crab Industry Technology System Freshwater Shrimp Nutrition and Feed Post Scientist. He has been engaged in the research on the protection and utilization of fishery resources in the lower reaches of the Yangtze River and the protection of the Yangtze finless porpoise. Main research fields: aquatic animal nutrition and epigenetic regulation; aquatic animal stress-related signal pathways and functional feed research and development; new Chinese herbal medicines and microbial preparations.

(5) 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

	<p>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.;</p> <p>(6)Xu Dongpo: Ph.D., Professor, PhD advisor of Nanjing Agricultural University and Shanghai Ocean University. Currently the director of the aquatic biological resources research division of FFRC and the head of the scientific observation and experiment station of fishery resources and environment in the lower reaches of the Yangtze River of the Ministry of Agriculture and Rural Affairs. Main research fields: the protection and utilization of fishery resources.</p> <p>(7)Liu Kai, Ph.D., Professor, PhD advisor of Nanjing Agricultural University and Shanghai Ocean University. Currently the executive deputy director of Huaihe River Basin fishery ecological protection research center of FFRC and the deputy director of Yangtze River Basin aquatic biological resources monitoring center of Ministry of Agriculture and Rural Affairs. Research Fields: (1) investigation and evaluation of fishery resources and biodiversity protection; (2) Migratory fish population ecology and habitat protection; (3) Conservation biology of Yangtze finless porpoise; (4) Ecological impact assessment and ecological restoration of wading projects.</p> <p>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: ①The current development status and existing problems in the fishery sector in your country; ②The basis for cooperation with China and the future direction of cooperation.</p>		
Host City	Wuxi City	Cities for Cloud visit	Huzhou City of Zhejiang Province, Suzhou City of Jiangsu Province
Notes	<ol style="list-style-type: none"> 1. ZOOM platform will be used for online seminar. 2. During the seminar, participants are requested to abide by the schedule time and seminar discipline. Attendance records will be used as the basis for issuing seminar certificates. Camera will be requested to use; 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 seminar according to the schedule. 6. The course is equipped with online simultaneous/consecutive interpretator. 		
About the Organizer	<p>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.</p> <p>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</p>		

	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