

Seminar on Fishery Development and Management for the Belt & Road Countries

Project Description

Full Name	Seminar on Fishery Development and Management for the Belt & Road Countries		
Organizer	Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences		
Holding Time	August 23- September 12, 2023 (21 days)	Language	English
Invited Countries	the Belt & Road Countries	Planned Number of Participants	30 in total
Objectives	To enable participants to comprehensively learn and understand the development model of green fisheries in China, the ecological regulation of aquaculture environment, and the quality and safety control technology of aquatic products, so as to deepen their recognition of the development model of green fisheries in China. At the end of the seminar, participants can put forward proposals based on what they have learned and in combination with the actual situation and development of fisheries in their countries to promote the sustainability of fisheries development and management in all countries.		
About the Participants	Background	<ul style="list-style-type: none"> — Field or major: fishery, aquaculture or any related with fishery administration — 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: fishery management personnel/fishery official 	
	Age	Under 50 years old for participants at director-general's level; under 45 years old for participants at or under division director's level	
	Physical Health	In good health; without diseases prohibited from entry by China's laws and regulations; without severe chronic diseases such as serious high blood pressure, cardiovascular and cerebrovascular diseases and diabetes; without mental illnesses or infectious diseases that may pose serious threats to public health; not during the postoperative recovery period after a major operation; or during the outbreak period of acute diseases; without severe physical disability; non-pregnant.	
	Language	Fluency in listening, speaking, reading and writing in English	
	Others	Participants who come to China for training are not allowed to bring spouses or relatives.	
Course Content	<p>1. Main content introduction</p> <p>(1) Overview of China's national status: mainly introducing China's national conditions and reform and opening up; special topics on Chinese culture; cultural interaction; course evaluation, participants' country report;</p> <p>(2) The the Belt and Road general plan and case introduction: mainly introduce the background, co-construction principles, framework ideas, basic connotation and development process of the the Belt a. d Road;</p> <p>(3) Module 1—Fishery industry development:</p> <ul style="list-style-type: none"> — 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.; — 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; — 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; — 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; — Digital fisheries development, 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; — 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;

— China's aquatic products market development, mainly introduces industry competition situation, market concentration analysis, market segmentation and processing/logistics, etc.

(4) Module 2—Fishery management:

— Fishery development policies, laws and regulations and Fishery Administration, mainly introduces the development and update of China's fishery laws and regulations, laws enforcement etc;

— The conservation and management of fishery resources and the protection and management of rare aquatic animals, mainly introduces 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 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;

(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, MSc advisor of Nanjing Agricultural University and Shanghai Oceanography 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 aquaculture, fish genetics breeding;

(4) Dong Zaijie: Ph.D., Professor, PhD advisor of Nanjing Agricultural University, currently the 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; research fields: genetic basis of aquatic animals, breeding technology, propagation technology and breeding demonstration and promotion, etc.;

(5) Liu Bo: Ph.D., Professor, PhD advisor of Nanjing Agricultural University, current Director of Aquatic Diseases and Feed Research Division of Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences, Master supervisor of Shanghai Ocean University, visiting scholar of Purdue University, National Shrimp and Crab Industry Technology System Freshwater Shrimp Nutrition and Feed Post scientist. 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.

(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.

(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.

3. 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 current development status and existing problems in the fishery sector in your country; ② The basis for cooperation with China and the future direction of cooperation.		
Host City	Wuxi City	Local temperature	30-35°C
Cities to visit	Suzhou city, Changzhou City, Yangzhong, City of Jiangsu Province, Shanghai City, Beijing City	Local temperature	Suzhou city, Changzhou City, Yangzhong City of Jiangsu Province: 30-35°C Shanghai City: 30-35°C Beijing City: 25-35°C
Notes	<p>1. Visa: Please confirm that the validity period of the visa covers the period from 5 days before the start of the project to 5 days after the end of the project.</p> <p>2. Life preparation: ① Local weather conditions shall be considered when preparing for your study and life. ② A small amount of commonly used drugs shall be considered according to one's own situation. It is strictly prohibited to carry drugs that are prohibited or exceed the limit into the country. ③ Please communicate with the organizer in advance if you have any questions or needs about religious belief.</p> <p>3. Baggage requirements: ① Please pay attention to the standard of allowed baggage for international and domestic flights. The expenses incurred due to overweight baggage and the responsibility for flight delay caused by baggage disputes shall be borne by the individual. ② During transfer, please confirm whether the baggage should be picked up and rechecked. ③ In case of luggage lost, please call the organizer to confirm the delivery address before registering with the airline.</p> <p>4. Misarrival and pickup arrangements: ① In case of any itinerary change due to unexpected facts, please inform the ECC office and organizer in time. ② Please wait patiently at the international (or domestic) arrival exit after the flight lands to pick up the baggage, and the staff will pick up the flight with the pick up card with the name of the organizer. In case of any abnormality, please contact the contact person of the organizer in time.</p> <p>5. Refund and change of flights: change the flights without permission or refund and change of flights due to personal reasons, participants have to be responsible for expenses and liabilities on their own.</p>		
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, 15 PhD advisors and 39 MSc advisors in aquaculture sciences. Since its establishment, FFRC has been awarded with 11 national level prizes, 80 provincial or ministerial level prizes and has acquired over 320 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 200 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 6780 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 60 oversea students are studying at FFRC.</p>		
Contact of the Organizer	<p>Contact: Wen Lujun (Ms.); Ye Wei (Mr.) Tel: 0086-510-85555796; 85555112 Mobile: 0086-17781571701; 15961800794 Fax: 0086-510-85555796 Email: a17781571701@gmail.com; yewei@ffrc.cn</p>		