

GOVERNMENT OF PAKISTAN
Ministry of Economic Affairs
Economic Affairs Division

No. 3(17)/EA/China-II/2023

Islamabad, the 07th June, 2023

OFFICE MEMORANDUM

SUBJECT: 2023 MULTILATERAL SEMINAR ON SUSTAINABLE DEVELOPMENT OF AQUACULTURE AND CLIMATE CHANGE FOR BELT AND ROAD COUNTRIES FROM 09TH – 29TH AUGUST, 2023 (4 SLOTS)

The undersigned is directed to state that Government of People's Republic of China has offered subject Training Course for Government Officers. The Government of Pakistan will not be liable for any cost. The requisite qualification and general requirements are as under (Copy enclosed): -

1. Eligibility Criteria

- Officers (**BS-17 & above**) of Ministries / Divisions / Attached Departments and Provincial Governments most relevant to the training programme.
- Proficiency in English.
- Contract employees are not eligible.

2. Documents Required

The following documents (**02 sets of each**) are required to be sent alongwith the nomination:

- Application Form
- Information Form duly filled in by the nominee.
- FTC Proforma.
- Copy of CNIC
- Copy of Passport at least six months of remaining validity and blank visa pages
- Medical Certificate (Foreigner Physical Examination Form)
- Surety Bond
- Undertaking
- Copy of Covid-19 Full Vaccination Certificate
- For candidate using ordinary passport, No criminal record certificate attested by Ministry of Foreign Affairs of Pakistan will be needed

3. Nominations of suitable candidates fulfilling the eligibility criteria duly approved by the competent authority may be forwarded to this Ministry by **03rd July, 2023 positively**. All Ministries / Divisions / Attached Departments and Provincial P & D Departments must note the following points while nominating the candidates:

- a. Most relevant candidates should be nominated for the subject training programmes.
- b. Nomination of candidates should reach EAD before the deadline. Late arrival of nomination after the EADs' deadline will not be entertained.
- c. Nomination papers complete in all respect may be forwarded to EAD through proper channel i.e. through their respective Administrative Ministry / Division/ P&D Department.
- d. For further details / information / forms / FTC proforma EAD's website: www.ead.gov.pk may be visited.


(Pirah Aftab)
Section Officer (China-II)

Distribution

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1. **Secretary**, Ministry of Maritime Affairs, Govt. of Pakistan, Islamabad.
2. **Chairman**, P&D Board, Government of Punjab, Lahore.
3. **Chairman**, P&D Board, Govt. of Sindh, Karachi.
4. **Additional Chief Secretary**, P&D Department, Govt. of KPK, Peshawar.
5. **Additional Chief Secretary**, P&D Department, Govt. of Balochistan, Quetta.
6. **Additional Chief Secretary**, P&D Department, Govt. of AJK, Muzaffarabad.
7. **Additional Chief Secretary**, P&D Department, Gilgit Baltistan, Gilgit.

Copy for information to:

1. Joint Secretary (Training), Establishment Division, Islamabad.
2. Network & System Administration(Computer Center), EAD, Islamabad
3. Section Officer (UN-III/Secretary FTC), EAD, Islamabad

Seminar on Sustainable Development of Aquaculture and Climate Change for the Belt & Road Countries Project Description

Full Name	Seminar on Sustainable Development of Aquaculture and Climate Change for the Belt & Road Countries		
Organizer	Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences		
Holding Time	August 9- August 29, 2023	Language	English
Invited Countries	Belt & Road Countries		
Objectives	To enable participants to get a deep understanding upon the concept of "green fishery", and have an all-round understanding and familiarity with the sustainable development of aquaculture, water purification fishery, sustainable use of fishery resources and water ecological and environmental safety, comprehensively learn and understand China's sustainable fishery development model, green fishery drug production, aquatic product quality and safety control technology, and deepen their recognition of China's sustainable fishery development model, and explore the potential for bilateral/multilateral cooperation in fisheries and aquaculture.		
About the Participants	Background	——Field or major: fishery, aquaculture or any related with environment —— 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: technician	
	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 with health certificates or medical examination forms issued by local public hospitals; 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	Capable of 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	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) 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 Belt and Road; (3) Module 1—Sustainable Aquaculture: ——Industrialization and sustainable development of aquaculture in China, mainly introducing the development history, development mode and different industrialization development types of aquaculture in China, and introducing relevant cases. ——Strategies and policies for sustainable aquaculture development, mainly introducing the significance and purpose of sustainable aquaculture development, and introducing the role of strategies and policies in supporting and guaranteeing the sustainable development of aquaculture. -- Safety use and management of aquatic drugs, mainly introducing different types of aquatic drugs, the safe dosages, storage methods, and relevant national laws and regulations on the management of aquatic drugs. ——Prevention and control of aquatic animal diseases, mainly introducing common aquatic animal diseases, identification methods and related technologies, as well as measures and methods for the prevention and control of aquatic animal diseases. ——Green ecological value-added fishery product development, mainly introduces the development of green ecological fishery product industry chain and effective ways and models for fishery products to add value. ——Safety management of aquatic product processing and circulation, mainly introducing the specific operation methods of China's aquatic product processing and circulation, as well as the safety and quality control technology and management system. (4)Module 2—Climate change:		

—The impact of climate change on the change of fishery resources, mainly introducing the basic situation of the change of fishery resources, the impact of climate change on fishery resources, and the measures taken to cope with the impact of climate change.

—Climate change and coastal fishery development, mainly introducing the basic situation of coastal fishery, the impact of climate change on the development of coastal fishery, and measures to address the impact of climate change.

— Climate change and fishery productivity, mainly introducing the basic situation of current fishery production, the impact of climate change on fishery production, and measures to address the impact of climate change.

2. Introduction to Visit

It is planned to arrange participants to go to Jiangsu, Shanghai, Zhejiang, Guangdong and other regions for field visits, and communicate with fishermen, local staff and enterprise managers of relevant fish farms, scientific research departments, education departments and other departments, so that participants can more objectively understand the application practices and achievements of aquaculture industry development, technology extension and fishery industry development under the background of climate change in China, and discuss the potential of cooperation between China and the "Belt and Road" countries in the aquaculture field and climate change.

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, 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;

(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. 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) Yang Jian: Ph.D., Professor, PhD advisor of Nanjing Agricultural University, Chief of Fishery Microchemistry Division of Freshwater Fisheries Research Center of Chinese Academy of Fishery Sciences, Chief Scientist of Chinese Academy of Fishery Sciences, member of Fishery Resources Sub-technical Committee of the National Fishery Standardization Technical Administration. Main research fields: habitat and biodiversity conservation of aquatic organisms based on microchemistry of fishery biological indicators such as otoliths, biological monitoring and evaluation such as "freshwater shellfish observation" for fishery ecological environment pollution, environmental factors of aquatic product quality formation and traceability of origin.

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.

Host City	Wuxi City of Jiangsu Province	Local temperature	30-35°C
Cities to visit	Changzhou City, Yangzhong City and Jiangyin City of Jiangsu Province; Yinchuan City, Helan County and Pingluo County of Ningxia Hui Autonomous Region	Local temperature	Changzhou City, Yangzhong City and Jiangyin City of Jiangsu Province; 30-35°C Yinchuan City, Helan County and Pingluo County of Ningxia Hui Autonomous Region: 25-30°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 China. 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. Missed flight and pick-up 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 FFRC 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> <p>6. A country report on national fisheries and aquaculture status, especially climate change of participants' countries shall be prepared for exchange during the seminar.</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>