

## **1. Training Course on Land-based Aquaculture for Maritime Silk Road Countries (August 1-August 21, 2024, 21 days)**

Module 1—Land-Based Aquaculture Technology:

——Basic biology of land-based farmed fish, mainly introducing the physiological characteristics and feeding preferences of the main land-based farmed fish in China, as well as the selection of specific cultured species and breeding models.

——Land-based aquaculture technology, which mainly introduces new technology of fish breeding, fish artificial reproduction technology, new technology of land-based fish seed cultivation and fish disease prevention technology, etc.

——Land-based aquaculture fish management, main feed feeding, development and application management, safe use and management of fish medicine, Internet of Things technology management, etc.

——Aquaculture technology and model innovation, mainly introduces the innovation of aquaculture space layout, the development of advanced green aquaculture models, and leads the green development of aquaculture by creating a new modern aquaculture model.

Module 2—Land-Based Aquaculture Industry Management:

——China's land-based aquaculture development strategy, policy and scientific and technological support, mainly introducing that since the 18th National Congress of the Communist Party of China, China's land-based aquaculture industry has aimed to promote the high-quality development of fishery, continuously improved its scientific and technological capabilities and innovation level, and achieved achievements A series of fruitful results.

——The development status of China's land-based aquaculture industry. It mainly introduces the development situation and main progress of China's modern land-based aquaculture industry. It aims to enhance participants' understanding of China's aquaculture industry and share China's successful experience through case analysis.

——The competition pattern of China's aquatic product market, mainly introducing the safety and quality control technology and management system of China's aquatic products, including industry competition situation, market concentration analysis and market segmentation, etc.

## **2. Seminar on Regulation and Law-enforcement of Fishery Activities for Maritime Silk Road Countries (August 8-August 21, 2024, 14 days)**

Module 1—Fisheries resources protection and regulation:

——Aquatic fishery resources conservation status, mainly introducing the distribution

and conservation status of aquatic resources in China, fishery resources enhancement techniques, endangered aquatic animal conservation and biodiversity research.

——Construction of fishery resources regulatory system, mainly introducing the protection and regulatory system of aquatic resources in key watersheds in China, as well as the fishing management responsibility system carried out in the watersheds and the mechanism of aquatic resources management.

——Daily enforcement and supervision of fisheries resources basin and cruising, mainly introducing the fisheries administrative enforcement mechanism, fisheries resources enhancement and protection management system, etc., and introducing the fisheries administrative enforcement procedures and reviewing the enforcement case files by means of case studies.

Module 2—Fishery safety production and regulation:

——Fishery industry safety management, mainly introducing the analysis of important laws and regulations on safety production, the system of input enforcement and supervision, as well as key fishery production information management techniques.

——Construction of fishery production safety supervision system, mainly introducing fishery vessel management system, fishery water emergencies emergency disposal mechanism, etc., and introducing marine rescue business knowledge and helicopter rescue by means of case study.

——Fishery production safety management norms, mainly introducing fishing vessel service organization safety production management norms, construction and management of fishery cooperative organizations and related successful experiences and promotion programs, etc.

### **3. Seminar on Value-added Fishery Product Development and Market System Construction for Developing Countries(Sep. 16-Sep. 29, 2024, 14 days)**

Module 1-Development of value-added fishery products in China:

——Development strategy of aquaculture products in my country, mainly introduces the varieties, models and methods of aquaculture, and sharing the contribution of aquaculture in diet, nutrition security, employment and economic development;

——The application of good aquaculture practice in the development of value-added fishery products, mainly introduces the meaning and practice of good aquaculture practice and its application and significance in the development of value-added fishery products;

——Integrated utilization of fishery products, mainly introduces the integrated utilization methods and related technologies of fishery products, and realizes the integrated utilization of fishery products and diversity of fishery products;

Module 2- Construction of value-added aquatic product market:

——Development status of value-added aquatic products market system in China, mainly introduces the production, consumption, import and export, price and balance of supply and demand of aquatic products;

——The construction and management of aquatic product market system, mainly introduces the relationship between the construction of value-added aquatic product market system and the circulation and consumption of aquatic products, and how to establish a healthy aquatic product market and circulation system;

——The import and export management of aquatic products in China, mainly introduces the relevant laws and regulations on the import and export of aquatic products, understands the relevant requirements for the import and export of aquatic products, and realizes the standardized management of the import and export of aquatic products;

——The role and management of fishery cooperatives in China, mainly introduces the construction and development of enterprise organizations and various specialized cooperative organizations, as well as the relevant government support and guarantee policies;

——Fishery technology extension system in China, mainly introduces the development history of fishery technology extension system in China, related organizations and institutions, technology extension process, and the importance and role of extension system in the development of value-added fisheries;

——The construction of China's value-added aquatic product wholesale and logistics service system, mainly introduces the development of China's value-added aquatic product wholesale and logistics service system, system construction links, and related policies and technical support systems.

#### **4. Training Course on Aquatic Product Trade and Market Development for Developing Countries(October 10-October 30, 2024, 21 days)**

Module 1—Aquatic product trade:

——Global aquatic products trade and its contribution, mainly introduces the current global trade status of aquatic products, sharing the contribution of aquaculture in diet, nutrition security, employment and economic development.

——Aqua-feed trade and industry development strategy, mainly introduces China's aquatic feed industry system, trade development status and future development suggestions;

——Inspection and quarantine of aquatic products import and export in China, mainly introduces import and export inspection and quarantine experience, methods to prevent animal epidemic into and out of the country to protect fishery production

security and human health.

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

Module 2—Development of aquatic product market:

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

——The construction and management of aquatic product market system, mainly introduces the relationship between the construction of aquatic product market system and the circulation and consumption of aquatic products, and how to establish a healthy aquatic product market and circulation system.

——Aquaculture brand construction, mainly introduces the evaluation of fishery brand value, summarizing the fishery brand construction achievements and practical challenges.

——The development status and trend of aquatic products processing, mainly introduces the development status, main processing technologies and future development direction of aquatic products processing market;

——Discussion on Sino-foreign cooperation in aquaculture technology, mainly introduces the history, progress and prospect of Sino-foreign cooperation.

Module 3—Fishery industry development:

——Overview of the development of global fishery industry, mainly introduces the market demand of global fishery products, the development of global fishery industry and the development prospect of global fishery industry;

——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 of aquaculture, mainly introduces the technical system and related supporting policies.

——The innovation of aquaculture technology and modes, mainly introduces the innovation of aquaculture spatial layout and the development of advanced green aquaculture mode, and leads the green development of aquaculture industry by creating a new modern aquaculture mode.

## **5. Seminar on Sustainable Development of Aquaculture and Climate Change for the Belt & Road Countries (October 17-October 30, 2024, 14 days)**

### 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.

—Several new green and healthy aquaculture models popular in China, including the advantages and technical management key points of rice-fish farming, pond industrial ecological breeding and other models.

—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 aquatic product development, mainly introduces the development of green ecological aquatic product industry chain and effective ways and models for fishery products to add value.

### 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 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.

## **6. Training Course on Fish Seed Production and Feed Development for Developing Countries(October 24-November 13, 2024, 21days)**

### Module 1—Fish seed production:

—The development of fine seed industry, mainly introduces the development history and successful case analysis of China's fine seed industry, relevant government policy support and system construction experience.

—Seed production technology, mainly introduces the artificial breeding technology of fish, the hatching technology of fish seed, the breeding technology of fine seed, the cultivation technology of fry and the cultivation of the commercial-sized seed, etc.

—Seed production knowledge and application, mainly introduces the storage and transportation of fish seedlings, seed stocking and seed quality management that

should be paid attention to in the production process, the collection, identification and cultivation of natural food organisms, and the process of cultivating them into commercial-sized seedlings, etc. .

Module 2—Fish feed development:

— — The development of feed development industry, mainly introduces the development status, main achievements and relevant case analysis of feed development technology in China.

— — The feed development technology, mainly introduces the source and identification of feed ingredients, the principle of feed formula, the feed preparation of small-scale aquaculture, the processing, treatment and storage technology of aquatic feed, etc.

— — Large-scale feed development and management, mainly introduces feed quality management and evaluation, feed machinery and small-scale feed factory production and management, precise feeding technology, etc.

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.

— — Aquatic product quality & safety control, mainly introducing China's aquatic product safety and quality control technology and management system.

— — Fishery product marketing management, mainly introducing the fishery product marketing strategy and the construction of the circulation system.