



FINAL PROGRAMME

First Regional Training Course on Harnessing the Potential of the Fisheries Sector for Economic Development in Least Developed Countries

**29 October to 9 November 2018
Nha Trang, Vietnam**

Day 1

Monday, 29 October 2018

08:30 – 9:00 Registration

9:00 – 09:20 Opening Session

This session is intended to set the tone for the workshop and provide direction for subsequent discussions. It will particularly highlight the objectives and expected outcome and implications of the workshop in supporting participating countries to identify policies and measures to harness the potential of the fisheries sector in Least Developed Countries.

09:00 – 09:10 Welcoming remarks: **Dr. Khong Trung Thang**, Vice- Rector, Nha Trang University

09:10 – 09:20 Introductory remarks: **Mr. Paul Akiwumi**, Director, Division for Africa, LDCs and Special Programmes, UNCTAD

09:20 – 09:30 Remarks: **Dr. Kim Anh Thi Nguyen**, Associate Professor and Coordinator of the Asia Regional Center of Excellence, Nha Trang University

09:30 – 10:00 Introduction of participants and official photo session

10:00 – 12:10 COURSE MODULE

Environmental, Social and Economic Role of the Fishery Sector: Development Potential of the Fisheries and Aquaculture Sectors.

Nha Trang University

This module is intended to introduce the concepts of global supply and demand trends for fishery international, regional and domestic trade; employment; food security; poverty reduction; environment and climate change impact. As exporters face a complex regulatory landscape compounded by many differences in regulatory regimes, this module will also cover the demand-side constraints, such as market access, food safety and quality standards LDC fish products face in developed countries markets.

Module I - Part I:

Environmental, social and economic role of the fishery sector: Development potential of the fisheries and aquaculture sectors

10:00 – 10:20 Biodiversity, coastal protection and resource endowment: Policy options for improving ocean health

Professor Curtis Jolly, College of Agriculture, Auburn University, USA

10:20 – 10:30 Coffee/Tea break

10:30 – 11:50 Harnessing the potential of marine resources for sustainable development: Experience from Vietnam with implications to other developing countries.

Dr. Kim Anh Thi Nguyen, Associate Professor, Faculty of Economics, Nha Trang University, Vietnam

11:50 – 12:10 Interactive Discussions

12:10 – 13:00 Lunch break

13:00 – 15:00 Clinical exercise on the challenges, opportunities and prospects for selected coastal developing countries in protecting the oceans and maximizing their socioeconomic benefits: Case based discussions

- Introduction:
UNCTAD
- The case of Cambodia:
Mr. Chhoun Chamnan, Director, Department of Fisheries Post-Harvest Technologies and Quality Control (DFPTQ), Fisheries Administration, Phnom Penh, Cambodia
- The case of The Gambia:
Mr. Manding Saidyakhon, Principal Assistant Secretary, Ministry of Fisheries, Water Resources and National Assembly Matters, Banjul, The Gambia
- The case of Mozambique:
Mr. Jossua Agostinho da Gloria, Health Inspector, Quality Control and Monitoring of HACCP Plans in Food Industry, Maputo Mozambique / **Mr. Ganunga Ramos Mponda**

15:00 – 15:15 Coffee/Tea break

15:15 – 16:15 The case of Togo

- **Mr. Kossi Ahoedo**, Expert in Fisheries Governance, Management, Fish Qualities and Processing, Togo
- **Mr. Beigue Alfa**, Chief Assistant, Fishery Promotion, Directorate of Fisheries and Aquaculture, Lomé, Togo
- **Mr. Kékéou Banguina**, Chief, Aquaculture Promotion Section, Directorate of Fisheries and Aquaculture, Lomé, Togo
- **Mr. Koffisse Akpa**, Assistant to the Chief of Section, Animal Production, Fisheries and Veterinary Control, Regional Directorate of Agriculture, Togo

16:15 – 17:30 Interactive discussions

Day 2

Tuesday, 30 October 2018

COURSE MODULE (*Continuation*)

Environmental, social and economic role of the fishery sector: Development potential of the fisheries and aquaculture sectors

09:00 – 09:30 Asian ocean health case study

Professor Curtis Jolly, College of Agriculture, Auburn University, USA

09:30 – 10:00 Policies for fish-dependent developing economies.

Dr. Nguyen Thi Kim Anh, Associate Professor, Faculty of Economics, Nha Trang University, Vietnam

10:00 – 10:20 Protect and enhance fishery resources by installing artificial reefs at Central Region of Vietnam.

Dr. Tran Duc Phu, Nguyen Trong Luong, Tran Van Hao, Nha Trang University

Clinical exercise on the challenges, opportunities and prospects for selected Small Island Developing States in protecting the oceans and maximizing their socioeconomic benefits: Case based discussions.

10:20 – 11:20 The case of Madagascar

- **Ms. Hortense Lys Hantamalala Rakotomavo**, Director, Programme of Evaluation and Follow-up, Ministry of Fishery Sciences and Resources, Madagascar
- **Ms. Florette Rasoarilalo**, Director, Partnership and Sustainable Development, Ministry of Fishery Sciences and Resources, Madagascar
- **Ms. Nomé Beanjara**, Regional Director for Fishery Resources, Ministry of Fishery Sciences and Resources, Madagascar

11:20 – 11:30 Coffee/Tea break

11:30 – 12:10 The cases of Comoros and Samoa

- **Mr. Nidali Ali M'ssa**, Sanitary Inspector, Ministry of Energy, Agriculture, Fisheries and Environment, Comoros
- **Mr. Soifa Ahmed**, Sanitary Inspector, Ministry of Energy, Agriculture, Fisheries and Environment, Comoros
- **Mr. Unity Roebeck**, Senior Fisheries Officer, Ministry of Agriculture and Fisheries, Samoa

12:10 – 13:00 Lunch break

13:00 – 17:30 COURSE MODULE

Standards and quality (ISO): Need for integrated quality infrastructure and institution building: The role of ISO

The rise of global retailers and supermarket chains, with clients that demand high-quality and safety standards, and environmentally sustainable produce, has driven the demand for increasingly stringent private quality and safety standards, as well as eco-labels or certifications related to the sustainability of the stocks. This module is intended to cover concepts of quality infrastructure and opportunities in meeting international food quality.

ISO

13:00 – 14:00 Understanding the role of National Quality Infrastructure in the domestic and international markets

Mr. Alister Dalrymple, Senior Expert, International Standards Organization (ISO)

14:00 – 14:30 Interactive discussions / Questions and answers

14:30 – 15:00 Interactions between voluntary standards and national regulations

Mr. Alister Dalrymple, Senior Expert, International Standards Organization (ISO)

15:00 – 15:10 Coffee/Tea break

15:10 – 15:40 Challenges and opportunities for Southeast Asian and African countries in meeting international food quality and safety standards

Mr. Alister Dalrymple, Senior Expert, International Standards Organization (ISO)

15:40 – 16:00 Interactive discussions / Questions and answers

16:00 – 16:30 The role that ISO plays in providing an international benchmark set of standards: A brief description of ISO's outreach programme to support and enrich National Standards Bodies in developing countries

Mr. Alister Dalrymple, Senior Expert, International Standards Organization (ISO)

16:30 – 17:30 Interactive discussions / Questions and answers

Day 3

Wednesday, 31 October 2018

COURSE MODULE

Managing fish-stock, overfishing and combatting illegal, unreported and unregulated (IUU) fishing activities

09:00 – 10:00 Challenges facing developing countries in sustainably managing fishery stocks and controlling overfishing: Policy implications

Mr. Thong Nguyen Ba, Fishery Management Expert, Hanoi, Vietnam

10:00 – 10:30 Interactive discussions / Questions and answers

10:30 – 11:30 Ways and means of combatting illegal, unreported and unregulated (IUU) fishing activities: Policy options and mechanisms

Mr. Thong Nguyen Ba, Fishery Management Expert, Hanoi, Vietnam

11:30 – 11:40 Coffee/Tea break

11:40 – 12:10 “Clinical exercise” on the challenges of managing fish-stocks, overfishing and IUU

Observations and views from Cambodia, Madagascar, The Gambia, Togo, Mozambique, Samoa and Vietnam

12:10 – 13:00 Lunch Break

13:00 – 14:00 Vietnamese experience in managing fish-stock, overfishing and combatting Illegal, unreported and unregulated (IUU) fishing activities

Observations and views from Vietnamese participants

14:00 – 15:00 Experiences of selected countries in managing fish-stock, overfishing and combatting illegal, unreported and unregulated (IUU) fishing activities

Observations and views from Madagascar, Comoros, Cambodia, Uganda

15:00 – 15:10 Coffee/Tea break

15:10 – 16:10 Fish Subsidies, in the context of Multilateral Trade Agreements and implications to LDCs and other weaker economies

Mr. David Jose Vivas Eugui, Economic Affairs officer, UNCTAD

16:10 – 16:30 Cost/Benefit Analysis for ASC aquaculture certified farms in Vietnam

Dr. Nguyen Van Giap, University of Economics in Ho Chi Minh City, Vietnam

16:30 – 17:30 Interactive discussions

Day 4

Thursday, 1 November 2018

COURSE MODULE

Harnessing the Potential of Aquaculture for Export Diversification

Strategies to combat diseases in aquaculture include International Codes; Regional guidelines; National strategies on aquatic animal health management; Diagnostics, Therapy and information technology; Biosecurity; Surveillance and reporting; Research; Institutional strengthening and manpower development; and Emergency response to disease epizootics. Out-growing farmers are also recommended to follow BMP or Viet GAP guidelines related to aquatic animal health management.

09:00 – 09:30 Policies and measures to raise the productivity of the aquaculture sub-sector through improved fish seeds and fish feeds.

Dr. Le Anh Tuan, Senior Lecturer, Institute of Aquaculture, Nha Trang University, Vietnam

09:30 – 10:00 Global food safety and quality standards: A case for harnessing Vietnam Pangasius export potentials.

Dr. Tram Anh T. Nguyen, Faculty of Economics, Nha Trang University, Vietnam and **Professor Curtis Jolly**, College of Agriculture, Auburn University, USA

10:00 – 10:10 Coffee/Tea break

10:10 – 10:40 Aquaculture insurance - A costly experience from Vietnam: Implications to other developing countries.

Dr. Kim Anh T. Nguyen, Associate Professor, Faculty of Economics, Nha Trang University, Vietnam

10:40 – 11:10 Policies and measures to develop the institutional and regulatory capacities needed to support the aquaculture sector.

Dr. Le Anh Tuan, Senior Lecturer, Institute of Aquaculture, Nha Trang University, Vietnam

11:10 – 12:10 Interactive discussions

12:10 – 13:00 Lunch break

13:00 – 14:00 Aquaculture sub-sector in Vietnam: status, challenges, opportunities and proposed solutions or recommendations for replicating Vietnamese experience in other countries in Asia and Africa.

Dr. Pham Quoc Hung, Director, Institute of Aquaculture, Nha Trang University, Vietnam

14:00 – 15:00 Policies and measures towards improved fish production with a focus on measures to enhance linkages between fish farmers, processing firms distribution channels (retailers)

Dr. Le Anh Tuan, Senior Lecturer, Institute of Aquaculture, Nha Trang University, Vietnam

15:00 – 15:50 Interactive discussions / Questions and answers

15:50 – 16:00 Coffee/Tea break

16:00 – 17:00 Practical techniques and methods to develop and expand aquaculture

Dr. Le Anh Tuan, Senior Lecturer, Institute of Aquaculture, Nha Trang University, Vietnam

17:00 – 17:30 Interactive discussions / Questions and answers

Day 5

Friday, 2 November 2018

09:00-11:00 Continued MODULE

Harnessing the Potential of Aquaculture for Export Diversification

Potential for developing aquaculture sector in Africa and Asia: Challenges and opportunities to African and Asian countries to develop their aquaculture sector. What policy lessons from the experience of Vietnam?

Several developing countries in Africa and Asia have untapped potential for the development of aquaculture as avenue for export diversification, poverty reduction and sustainable development. Aquaculture is also critically important for sustaining and meeting growing global demand for fisheries not only for human and animal consumption but also for industrial needs. There is supportive coexistence, especially in the long-run between aquaculture and natural fish stock. Despite complex challenges facing the fishery sector including aquaculture sub-sector, some developing countries have made tremendous gains from the fishery resources they are endowed with. Vietnam is one of the few developing countries that has made remarkable progress in sustainably tapping the fishery sector (more so from the aquaculture sub-sector) in recent years and is among the rare examples in registering sustained growth in production and export of aquaculture.

09:00 – 10:00 Country observations and views from Cambodia, The Gambia, Togo, Madagascar, Samoa, and Comoros

10:00 – 11:00 Country observations and views from Uganda, Ethiopia, Bhutan, Lao PDR, Zimbabwe

11:00 – 11:10 Coffee/Tea break

COURSE MODULE

International trade, demand and supply trends: The trade and development potential of the fisheries and aquaculture sectors

UNCTAD

11:10 – 11:40 **Mr. Mussie Deleegn**, Chief, Landlocked Developing Countries' Section, Division for Africa, Least Developed Countries, and Special Programmes, UNCTAD

11:40 – 12:10 Interactive discussions

12:10 – 13:00 Lunch break

13:00 – 13:30 International, regional and domestic trade: The role of developing countries as exporters and importers of fisheries

Mr. Mussie Deleegn, Chief, Landlocked Developing Countries' Section, Division for Africa, Least Developed Countries, and Special Programmes, UNCTAD

13:30 – 14:30 Interactive discussions/Questions and answers

14:30 – 15:00 Adding values to fishery by-products by R&D

Professor Trang Si Trung, Rector, Nha Trang University

15:00 – 17:30 COURSE MODULE

Market Access, subsidies and non-trade barriers

UNCTAD

This session is intended to introduce demand side constraints. LDC fish products face few or no tariff barriers in developed country market and there is preferential access for processed fish products. The greatest non-tariff barrier for LDC producers and processors is the quality and safety standards systems imposed on fish products in major markets abroad. Exporters face a complex regulatory landscape compounded by many differences in national regulatory regimes. There are four efforts at the international level that address food safety concerns relevant to fish products: Codex Alimentarius Commission (FAO and World Health Organization); Sanitary and Phytosanitary (SPS) and technical barriers to trade (TBT) agreements of the WTO; FAO Code of Conduct for Responsible Fisheries; and the Aquatic Animal Health Code of the World Organization for Animal Health.

15:00 – 16:00 Non-tariff measures (NTMs) in major markets for fish and fishery products: Policy options to increase export potential in LDCs.

Mr. Marco Fugazza, Economic Affairs Officer, United Nations Conference on Trade and Development (UNCTAD) via Skype or Video Conference

16:00 – 16:20 Interactive discussions / Questions and answers

16:20 – 16:30 Coffee/Tea break

16:30 – 17:30 Private standards: New opportunity or additional challenge?

Mr. Marco Fugazza, Economic Affairs Officer, United Nations Conference on Trade and Development (UNCTAD) via Skype or Video Conference

Day 6
Saturday, 3 November 2018

Field Visits

Persons in charge:

Dr. Kim Anh T. Nguyen, Associate Professor and Coordinator of the Asia Regional Center of Excellence, Nha Trang University

Dr. Nguyen Tan Sy, Vice-Director, Institute of Aquaculture, Nha Trang University, Vietnam

Dr. Mai Thi Tuyet Nga, Vice Dean, Faculty of Food Technology, Nha Trang University

Dr. Le Anh Tuan, Senior Lecturer, Institute of Aquaculture, Nha Trang University, Vietnam

Dr. Tran Thi My Hanh, Faculty of Food Technology, Nha Trang University

07:30 Pick up at the Nha Trang Palace Hotel

7:30 – 8:30: Travel to Hoang Ky Hatchery and Fish Farm

8:30 – 9:15: Visit to Hoang Ky

9:15 – 9:45: Travel to Chinh My Shrimp Farm

9:45 – 10:30: Visit to Chinh My

10:30 – 11:00: Travel to Hatcheries ARSS Co., Ltd

11:00 – 11:45: Visit to ARSS Co., Ltd

11:45 – 12:00: Travel to Nha Trang Palace Hotel

12:00 – 13:00: Lunch at the Hotel

13:00 – 13:30: Travel to Van Xuan Eel Farm

13:30 – 14:30: Visit to Van Xuan

14:30 – 15:00: Travel to Hai Vuong Tuna Co., ltd

15:00 – 16:30: Visit to Hai Vuong

16:30 – 17:00: Back to Nha Trang Palace Hotel

Day 7

Monday, 5 November 2018

COURSE MODULE

Seafood Technology and Safety for Export Diversification and Sustainable Development of Developing Countries in Africa and Asia

This course module intended to explain the benefits of appropriate handling and processing of seafood in terms of health and business; understand relevant international standards for safety and hygiene in food processing; identify and communicate key methods for safe handling and processing of seafood; articulate practical policy lessons from the successful experience of Vietnam in upgrading seafood handling and processing; and provide practical (hand-on training) on techniques and methods to safely handle and process seafood, and to monitor hygiene. Building on the experience of Vietnam, the module is designed to help participants to understand the importance of appropriate handling and processing of seafood and its benefits in terms of health, minimizing loss, meeting food safety standards, maximizing shelf-life and export development.

09:00 – 09:30 Seafood technology and safety for export diversification and sustainable development of developing countries in Africa and Asia:

(a) Factors influencing shelf life of fresh aquatic species

Dr. Mai Thi Tuyet Nga, Vice Dean, Faculty of Food Technology, Nha Trang University

09:30 – 09:45 Interactive discussions / Questions and answers

09:45 – 10:30 (b) Handling and transportation of fishery raw materials

Associate Professor Huynh Nguyen Duy Bao, Vice Dean, Faculty of Food Technology, Nha Trang University

10:30 – 10:45 Coffee/Tea break

10:45 – 12:15 (c) Seafood processing technology of some fishery products

Associate Professor Nguyen Van Minh, Faculty of Food Technology, Nha Trang University

12:15 – 13:00 Lunch break

13:00 – 14:00 Methods of quality evaluation and hygiene monitoring in seafood industry.

Associate Professor Nguyen Thuan Anh, Dr. Tran Thi My Hanh and Dr. Luu Hong Phuc, Faculty of Food Technology, Nha Trang University

14:00 – 14:30 Interactive discussions / Questions and answers

14:30 – 15:30 Assurance of quality, safety and hygiene in seafood processing

Associate Professor Nguyen Thuan Anh, Dr. Tran Thi My Hanh and Dr. Luu Hong Phuc Faculty of Food Technology, Nha Trang University

15:30 – 15:40 Coffee/Tea break

15:40 – 16:40 Lab work on processing technology of some Vietnamese traditional seafood

Dr. Nguyen Thi My Huong, Faculty of Food Technology, Nha Trang University

16:40 – 18:00 Interactive discussions / Questions and answers

Day 8

Tuesday, 6 November 2018

COURSE MODULE

Environmental certification challenges, opportunities and prospects for weaker players

Standards are costly to meet and can constitute barriers to exporting, yet, can also serve as catalysts to promote the upgrading of fishing infrastructure and technology. Many requirements for certification are also supply-side constraints to boosting productivity and efficiency. The benefits of certification include greater security of access to existing markets, access to new markets, diversification into higher value-added products, price premiums for higher quality products and fewer losses due to spoilage.

MSC

09:00 – 10:00 Capacity Building Program for pre-MSC fisheries improving to MSC – Level 1.

Mr. Dinh Xuan Lap, Deputy Director, International Collaborating Centre for Aquaculture and Fisheries Sustainability – ICAFIS - Vietnam Fisheries Society (VINAFIS)

10:00 – 10:45 Interactive discussions / Questions and answers

10:45 – 11:00 Coffee/Tea break

11:00 – 12:00 Introductory training on pre-MSC fisheries improvement – Level 1: Introduction to the MSC Standard (CBP001) and MSC Scoring Methodology (CBP002).

Mr. Dinh Xuan Lap, Deputy Director, International Collaborating Centre for Aquaculture and Fisheries Sustainability – ICAFIS - Vietnam Fisheries Society (VINAFIS)

12:00 – 13:00 Lunch break

13:00 – 14:00 Introductory training on pre-MSC fisheries improvement – Level 1 MSC certification process (CBP003), Pre-assessment process and template (CBP004).

Mr. Dinh Xuan Lap, Deputy Director, International Collaborating Centre for Aquaculture and Fisheries Sustainability – ICAFIS - Vietnam Fisheries Society (VINAFIS)

14:00 – 15:00 Interactive discussions / Questions and answers

15:00 – 15:10 Coffee/Tea Break

15:10 – 16:00 Introductory training on pre-MSC fisheries improvement – Level 1MSC: Developing Fishery Improvement Action Plans (CBP005): MSC Benchmarking and tracking tool (CBP006).

Mr. Dinh Xuan Lap, Deputy Director, International Collaborating Centre for Aquaculture and Fisheries Sustainability – ICAFIS - Vietnam Fisheries Society (VINAFIS)

16:00 – 18:00 Interactive discussions / Questions and answers

Day 9
Wednesday, 7 November 2018

Field Visits

Persons in charge:

Dr. Kim Anh T. Nguyen, Associate Professor and Coordinator of the Asia Regional Center of Excellence, Nha Trang University

Dr. Nguyen Tan Sy, Vice-Director, Institute of Aquaculture, Nha Trang University, Vietnam

Dr. Mai Thi Tuyet Nga, Vice Dean, Faculty of Food Technology, Nha Trang University

Dr. Le Anh Tuan, Senior Lecturer, Institute of Aquaculture, Nha Trang University, Vietnam

Associate Professor Dr. Huynh Nguyen Duy Bao, Vice Dean, Faculty of Food Technology, Nha Trang University

Associate Professor Dr. Nguyen Van Minh, Faculty of Food Technology, Nha Trang University

Dr. Tran Thi My Hanh, Faculty of Food Technology, Nha Trang University

07:30: Pick up at the Nha Trang Palace Hotel

7:30 – 7:45: Travel to Nha Trang University

7:45 – 8:15: Visit to NTU High-Tech Labs, under the guidance of **Dr. Hoa and Dr. Le** (Center for Experiments and Practices), **Assoc. Prof. Bao**

8:15 – 8:45: Visit to NTU Pilot Labs, under the guidance of **Assoc. Prof. Bao, Assoc. Prof. Minh, and Dr. Hanh**

8:45 – 9:15: NTU tour and picturing, under the guidance of **Dr. Hanh**

9:15 – 10:15: Travel to Nguyen Tat Thanh avenue - Song Lo - Nha Trang

10:15 – 11:15: Visit to Mariculture Research and Development Center of RIA 3, under the guidance of **Dr. Truong Quoc Thai**

11:15 – 11:45: Come back the Hotel

12:00 – 13:00: Lunch at the Hotel

COURSE MODULE

Value Chain: Theory and Practice

The inclusion of this course module is to bring to attention of the importance of fish technology and value chain analysis in enabling compliant behavior in meeting MSC standards to enhance market sustainability. The study of the value chain in the production and distribution of ocean and freshwater fish is important to understand the steps in meeting MSC standards. Presentation of the theoretical concept of value chain accompanied by case studies of value chain of production and marketing of shrimps in Vietnam will enable participants to understand the role of suppliers, market participants and food technology in product differentiation in developing competitive marketing strategies.

13:30 – 14:30 Theory of Value Chain Analysis.

Dr. Kim Anh T. Nguyen, Faculty of Economics, Nha Trang University, **Dr. Tram Anh T. Nguyen**, Faculty of Economics, Nha Trang University, and **Prof. Curtis M. Jolly**, Auburn University, USA

14:30 – 15:30 Case studies on fish and shrimp value chains in Vietnam.

Dr. Kim Anh T. Nguyen, Faculty of Economics, Nha Trang University, **Dr. Tram Anh T. Nguyen**, Faculty of Economics, Nha Trang University, **Prof. Curtis M. Jolly**, Auburn University, USA and **Ms. Le Thi Thanh Ngan**, Nha Trang University

15:30 – 15:40 Coffee/Tea Break

15:40 – 16:40 Lessons learnt from promoting sustainable shrimp value chain development in Mekong delta – Vietnam.

Dr. Kim Anh T. Nguyen, Faculty of Economics, Nha Trang University, **Vu Van Thuy**, International Collaborating Centre for Aquaculture and Fisheries Sustainability – ICAFIS - Vietnam Fisheries Society (VINAFIS)

16:40 – 18:00 Interactive discussions/ Questions and answers

Day 10

Thursday, 8 November 2018

COURSE MODULE

Vietnamese participants' presentations

In this section, participants will receive information from governmental as well as non-governmental organizations. The non-governmental associations include VASEP, the Vietnam Tuna Association and the International Collaborating Centre for Aquaculture and Fisheries Sustainability – ICAFIS, Vietnam Fisheries Society. These organizations are voluntary and autonomous and work with exporters as well as producers to promote the fisheries industry as they work and organizing along the value chain. They will provide methods of operation to improve standards and exports. The research institutions RIA3, RIA2, RIMF, VIFEP, IMS&FT and Aquaculture Institute of Nha Trang University are government supported institutions that furnish conduct information to support the industry. They will also inform participants of their research findings and methods of research results diffusion.

Chair: Dr. Kim Anh T. Nguyen, Associate Professor and Coordinator of the Asia Regional Center of Excellence, Nha Trang University

9:00 – 9:15 Seafood Traceability – Opportunity to reach international markets: Case of Vietnam Tuna products.

Tran Van Hao, Vietnam Tuna Association and **Dr. To Van Phuong**, Nha Trang University

9:15 – 9:30 Food safety certification.

Le Thi Kim Lanh, QA Assistant, Hai Vuong Tuna Company

9:30 – 9:45 Supportive activities of Vietnam Tuna Association to Tuna Fishery.

Nguyen Huu Huy Hoang, Vietnam Tuna Association

9:45 – 10:00 Research Institute for Aquaculture No2 and activities in the development of aquaculture in Mekong Delta.

Nguyen Viet Dung, RIA 2, Ministry of Agriculture and Rural Development, Vietnam

10:00 – 10:15 Research Institute for Aquaculture No3 and activities in the development of marine aquaculture in coastal areas of Vietnam.

Vo The Dung, RIA 3, Ministry of Agriculture and Rural Development, Vietnam

10:15 – 10:30 Contributions of Research Institute for Marine Fisheries (RIMF) to Vietnam marine fishery sector development.

Dinh Xuan Hung, RIMF, Ministry of Agriculture and Rural Development, Vietnam

10:30 – 10:45 Tea/coffee break

10:45 – 11:00 Contributions of VIFEP to the fisheries policies of Vietnam

Vu Cong, VIFEP, Ministry of Agriculture and Rural Development, Vietnam

11:00 – 11:15 International certification achievement road of FIMEX Vietnam

Ho Hoa Dong, FIMEX Vietnam

11:15 – 11:30 Some technical solutions applied in aquaculture farms

Dr. Nguyen Tan Sy, Nha Trang University and **Do Quoc Dung**, Chinh My Shrimp Aquaculture Company

11:30 – 12:30 Interactive discussion

12:30 – 13:30 Lunch break

13:30 – 14:00 Apply polyurethane (PU) technology on fish preservation to improve fish quality onboard.

Vu Nhu Tan, Tran Van Hao, Nguyen Ngoc Hanh, Institute of Marine Science & Fishing Technology, Nha Trang University

14:00 – 14:30 Solutions on alternative livelihood for the near shore fishing fleet in Quang Nam province, Vietnam

Vu Nhu Tan, Dr. Tran Duc Phu, Dr. To Van Phuong, Institute of Marine Science & Fishing Technology, Nha Trang University and **Pham Viet Tich**, Department of Science and Technology in Quang Nam

14:30 – 15:00 Utilization of tuna processing waste as a potential nutrition resource in Agriculture

Nguyen Xuan Duy, Dr. Tran Thi My Hanh, Dr. Nguyen Anh Tuan, Nha Trang University

15:00 – 15:15 Tea/coffee break

15:15 – 15:30 VASEP's role in promoting Vietnam seafood exports.

Le Hang, Deputy Director, Vietnam Association of Seafood Exporters and Producers
VASEP

15:30 – 17:30 Interactive Discussion / Questions and answers

17:30 – 18:00 **Chair's conclusion**

Day 11

Friday, 9 November 2018

COURSE MODULE

PRESENTATIONS OF GROUP DISCUSSIONS

The purpose of the group discussions is to enable participants to reflect on what they have learned over the past two weeks. This exercise will help participants organize their thoughts and recollect what they have gained during the time they spent in the training workshop. Through discussions with their peers, participants will be able to remember the important points covered in each presentation. The presentation by each group will include all areas of explained in the training course. Participants will find time to add to any group presentation if they feel that some item was omitted during the group discussions.

Chair: Dr. Kim Anh T. Nguyen, Associate Professor and Coordinator of the Asia Regional Center of Excellence, Nha Trang University

Division into 4 groups

We will divide the class into four groups. Each group will meet to discuss the assigned topic. Each group is responsible to select a rapporteur (secretary) and a group leader who will present the report of the group. The group should decide on the best person to present the report (That means it can be someone different from the rapporteur of the group leader). Each group will have 15 minutes to present the report on Friday morning (9 Nov). The groups are free to use power point, flow charts or simply present.

The topic for groups:

GROUP 1: Lessons learned from the training course about wild caught fin and shellfish production, ocean health, management practices and policies to employ in order to attain successful, sustainable, industrial fish production and development.

GROUP 2: Lessons learned from the training course about fin and shellfish aquaculture production, environmental protection, management practices and policies to employ in order to attain successful, sustainable, industrial fish production and development.

GROUP 3: Lessons learned from the training course about wild caught fin and shellfish marketing, the effects of ocean health, the development of value chain international trade strategies and policies to employ to successfully, and sustainably meet international standards and to increase fish exports.

GROUP 4: Lessons learned from the training course about aquaculture fin and shellfish marketing, environmental protection, the development of value chain, international trade strategies and policies to employ to successfully, and sustainably meet international standards to increase aquaculture product exports.

Facilitators: NTU’s lecturers

GROUP 1	GROUP 2	GROUP 3	GROUP 4
MR. PISETH CHAP	CHAMNAN CHHOUN	U. J. ROEBECK	H. NAMANANIMANA
NIDALI ALI M’SSA	CHANLGU	H. L. H. RAKOTOMAVO	SOIFA AHAMED
F. RASOARILALAO	ROSE NDAYIRAGJE	A. D. SEBOKA	V. TAMMAJEDY
J. A. DA GLORIA	HUSSEIN ABEGAZ ISSA	K. AHOEDO	M. SAIDYKHAN
K. AKPA	F. A. F. ABDELRAHMAN	L. P. DLAMINI	N. BEANJARA
DINH XUAN HUNG	K. BANGUINA	NGUYEN VIET DUNG	P’HAM B. ALFA
VU MANH CONG	SARAH BAWAYE	BWIRE PAUL OMANYI	TENYWA MOSES
SITOKOZILE SIBANDA	VU VAN THUY	NGUYEN HUU HUY HOANG	LE HANG
TRAN VAN HAO	QUOC DUNG	CAO VAN THINH	LE THANH NGAN
LE THI KIM LANH	DO QUANG DUOC	HO HOA DONG	VO THE DUNG

09:00 – 9:30 **Presentations of group 1**, Questions and answers

09:30 – 10:00 **Presentations of group 2**, Questions and answers

10:00 – 10:30 **Presentations of group 3**, Questions and answers

10:30 – 10:40 Tea/coffee break

10:40 – 12:10 **Presentations of group 4**, Questions and answers

12:10 – 13:00 Discussions and interactions

13:00 – 13:30 **Chair's conclusion**

13:30 – 14:30 Closing and award of Certificate & Photos

14:30 – 15:30 Lunch