Fisheries products export training Vietnam

On Risk assessment, HACCP auditing and

EU legislation & monitoring

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welfare and Consumer Policy

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Summary

IMARES and RIKILT developed a training program for fisheries inspectors and private sector quality controllers in Vietnam, in close cooperation with the Dutch Ministry of Economic Affairs, Agriculture and Innovation (EL&I) and the Dutch Ministry of Foreign Affairs (buza) and the Vietnamese fish inspection NAFIQAD. The training was held in the period 20-24 August 2012 in Nha Trang, Vietnam. The topics discussed in the training were: Risk Assessment, HACCP auditing and EU legislation &

monitoring. In total 31 trainees followed the training. The training was positively evaluated by the participants, and characterised as 'very good and valuable', especially in relation to gaining more knowledge on the topic Risk Assessment. The training will on the longer term benefit to the export of safe seafood products to

Europe, and enhance understanding between European and Vietnamese inspection services as well as cooperation in the case of emerging risk situations.

This training was financed by the Ministry of EL&I, and was given by Joop van der Roest (RIKILT), Marnix Poelman and Rian Schelvis (IMARES).

1 Introduction

On the 13th of June 2011, Dr. Ir. Arjo Rothuis (IMARES) and The National Agro-Forestry-Fisheries Quality Assurance Department (NAFIQAD) – Ministry of Agriculture and Rural Development of Vietnam (MARD) had a meeting concerning the control of chemical and antibiotic residue in fish products of Vietnam exported to The Netherlands. On a question of the NAFIQAD director Dr. Ir. Arjo Rothuis had mentioned the possibility of the Dutch government supporting training in the field of fishery quality control and food safety for Vietnamese NAFIQAD. This was further elaborated with the Dutch government and resulted in a training proposal and budget. In close cooperation it was decided that the following topics needed to be addressed in the training programme:

- 1) Risk assessment for fishery products.
- 2) HACCP auditing in fishery production and processing companies.
- 3) EU regulations on food safety and monitoring programs. (monitoring program for certain substances and toxic residues thereof in animals and aquaculture products, the sanitation monitoring program for bivalve molluscs production areas).

In close contact with the Dutch Ministry of Economic Affairs, Agriculture and Innovation (EL&I), the Dutch Ministry of Foreign Affairs (buza) and NAFIQAD the training program was developed and commissioned in the period 20-24 August 2012 in Nha Trang, Vietnam by IMARES and RIKILT. This training is financed by the Ministry of EL&I.

2 Aim

The aim of this project was to improve the general knowledge of the Vietnamese fishery processing sector and inspection bodies (competent authority NAFIQAD) in the field of risk assessment, HACCP auditing and hygiene and EU regulation on food safety and monitoring programs.

It was expected that this training programme would improve the food safety of fish products in Vietnam and thereby benefit the (quality of) export of fish products from Vietnam to the Netherlands.

3 Materials and Methods

It was decided, In close cooperation with NAFIQAD, to set up the programme in such a way that all three topics could be followed by all participants. The topics were divided over 2 parts in the programme, and the majority of the participants expressed the wish to follow both.

The pre knowledge of the target group was described by NAFIQAD as being mainly fish inspectors with more than 5 years' experience in the field. Some participants were quality controllers from processing plants where the on-site visit was performed. The topic Risk Assessment was new for all participants. For the HACCP auditing it was decided to shortly refresh the trainees' knowledge on the HACCP principles and focus on the skills needed to perform a HACCP audit. For the EU regulation & monitoring it was decided to present the various legislations as a reference list and focus on the European system of setting chemical norms.

The trainers provided a program which was based on power point presentations, in combination with group working sessions discussing case studies. This was followed up sequentially to keep attention, and applicability as high as possible. Field trips to designated companies were performed to support the theoretical knowledge with practical applicable data. By doing so, experience could be shared between trainers and trainees. During the training an interpreter, very knowledgeable about the topic(s), was present to facilitate the lectures and discussions.

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In preparing the training, the trainers had had contact with the Dutch Food Safety Authority (nVWA, Drs. G.L. Roessink) about actual issues regarding the imports from Vietnam. Input from the DFSA has been used for the EU legislation and monitoring part of the training.

The trainers had various expertise on the topics addressed. Marnix Poelman is a specialist in Aquaculture certification, EU-legislation, Shellfish Food Safety and Sustainable aquaculture. He has been in Vietnam before to monitor the quantity and quality of Pangasius pond effluent. Joop van der Roest is a specialist in Food Quality, Food/Feed Safety, Traceability, Quality systems, EU-legislation and a Qualified trainer with many years of experience in training projects in Indonesia. Rian Schelvis is a specialist in Seafood technology, Seafood quality, HACCP, Quality Management Systems & auditing and Certified trainer with experience in trainings in many different countries.

Participants

The participants (29) for the training on Risk Assessment were all from NAFIQAD.

The participants (28) for the training on HACCP auditing and EU legislation & monitoring were mainly from NAFIQAD but also included two participants from fish exporting companies.

Practical site visits:

NAFIQAD had arranged two site visits: First (day 2) to a shrimp farm and a shrimp processing company and secondly (day 4) a tuna processing company. These companies both export their products to Europe and facilitated the participants to perform the practical assignments.

Programme

DATE / TIME	Content	Trainer
Group 1. Risk Assessmen	t	
Day 1: 20-08-2012		
8h00 -8h45	Opening ceremony Introduction of trainers and WUR Introduction of participants and their expectations	NAFIQAD RS JR
8h45 – 10h00	Risk analysis general introduction Risk assessmentRisk managementRisk communication	JR
10h00-10h15	Break	
10h15-11h45	Risk assessment	JR
11h45-13h15	Lunch	
13h15-17h00	Risk assessment (continue) Case introduction	MP/JR
Day 2: 21-08-2012		
8h30-11h30	Present the results of the case study Modelling risk assessment Make a check list for risk assessment to be used on the site visit this afternoon	JR
13h00-18h00	Site Visit (shrimp farm and shrimp processing Thong Thuan Seafood)	Nafiqad
Day 3: 22-08-2012		
8h30-11h30	Discussion on results of visits. EU procedures (EFSA) on implementation for risk assessment (risk assessment system, exchange	RS en MP JR

Content	Trainer
information mechanism)	
Risk Ranger introduction and application with case	
U regulations and monitoring	
HACCP auditing,	RS
3 1	
, , , , , , ,	Nafiqad
J ,	
Results site visit Audit reporting	RS
1 ' '	MP/JR
	145
	MP
- Introduction warker monitoring	
Closing	RS
	NO.
	information mechanism) Risk Ranger introduction and application with case U regulations and monitoring

MP = Marnix Poelman, RS= Rian Schelvis-Smit, JR = Joop van der Roest.

4 Evaluation

4.1 Results

Risk assessment: All participants learned about the theory of risk analysis, the steps taken in a risk assessment on a pair of hazard with product/process/contaminant. Besides that, participants also gained knowledge on the European Food Safety Authority implementing process of a risk assessment.

HACCP auditing: The right skills in HACCP auditing includes knowledge and qualifications in different areas of seafood science and technology pertinent to the products and processes of interest, in addition to confidentiality, objectivity and experience and skills in auditing and communication (ISO, 1993b). During this training the focus has been on practical skills in auditing; confidentiality, objectivity and communication.

EU regulations and monitoring: Participants gained insight in EU regulations applicable for Competent Authorities. The development of those regulations and its implementation in fishery monitoring programs (residue monitoring on aquaculture, hygiene monitoring on bivalve mollusc harvest areas, market monitoring).

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4.2 Photo overview















4.3 Evaluation by participants

After the five days training 27 participants filled out an evaluation form. This was done anonymously and, if preferred, in Vietnamese (translated by NAFIQAD afterwards).

The results were analyzed, a summary of the results are given in the table below.

Question	results
Relevance of the topics offered in the program	Good, useful, relevant (19), very good, very
	relevant for my job (7)
Quality of the instructors	Good (19), very good (6)
Method of presentation	Good (18), very good (3), other (5): answers
	directly to questions. Could give more practical
	examples directly with theory.
Quality of workshop materials	Good (19), Other (11): The translation of the EU
	legislation was lacking, some lectures were missing
	in the handouts, could have given more references
	and examples.
Quality of the case studies	Good (16). Other (13): For risk assessment it
	could have been more clear and specific. Short
	time for discussions
Quality of the practical site visits	Good (16) very good (7) and acceptable (4)
Did you miss any subject in this workshop	No (29)
What would you like to improve	More skills on risk assessment (15), and HACCP
	auditing (3). More time for practice and discussion.
	More case studies and examples of risk assessment
	to illustrate the situation (5). Skills to solve the
	uncertainty in Risk Assessment and to find missing
	data.

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Question	results
What are some personal favorites of the training	The method of teaching/teachers (7) Risk
	Assessment (5). HACCP (3) Other (8): Discussions
	with colleagues. Risk Ranger. Comments of
	lecturer after the HACCP auditing. Nice overview of
	all EU regulations. Site visits. Theory alongside
	with practice.
Any other general comment	More training on Risk Assessment (3). More clear
	examples on Risk Assessment (2). Other (3): Very
	good interpreter with knowledge on the topic. More
	time needed.

4.4 Evaluation by the trainers

In brief some points of attention on the training are described.

Preparation of the training

- Training preparation was not optimal:
 - Though the training topics were set in cooperation with NAFIQAD, there was not enough insight in the exact needs per topic and the pre-knowledge of the participants and their field of work. This made it complicated to prepare the right cases and the content of the lectures.
 - o At the latest moment the number of participants and the venue was known.

During the training

- English communication is often a problem, also in this case. This was well solved by the recruitment of an interpreter, knowledgeable on the topic, Dr. Hung. Dr Hung was the director of NAFIQAD and has many years of experience in this field. On forehand he translated all the hand-outs into Vietnamese as well as the FAO guidelines on Risk Assessments. He has great insight in the field of work and has excellent teaching and translation skills. This made it possible to have valuable discussions even though the trainers could not fully participate.
- The facilities, such as hotel accommodation, training room, coffee breaks, lunches, air-conditioning, equipment for the training was excellent.
- The site visits were of high quality and very valuable for the training. Two company visits were made; one for Risk Assessment training and one for HACCP auditing training.
- The trainees worked very hard and participated in every task and assignment. During the site visit they respected the rules and process flow (from high care to low care area's) and were able to gain a lot of information in a short time. One of the skills that can be improved is the interview technique to ask more in depth questions during the auditing.
- The information could have been made more clear with practical examples.

5 Conclusions

The training for the NAFIQAD inspectors was very valuable and resulted in more knowledge on Risk assessment, HACCP auditing and EU legislation and Monitoring. This will on a longer term benefit to the export of safe seafood products to Europe, and understanding and cooperation with emerging risk situations.





6 Recommendations

Based on the evaluations of both the participants and the trainers we identified the following recommendations:

- A) Training on shellfish food safety issues
- B) Training on (new) analysis techniques for shellfish food safety (biotoxins)
- C) Advanced Risk Assessment training with more clear cases (prepared in close cooperation between Netherlands and Vietnam)

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- D) Follow-up training on specific topics identified by NAFIQAD.
- E) Evaluation and discussion on Food Safety Issues/points for improvement based on the September 2012 inspection from the EU

7 Quality Assurance

IMARES utilises an ISO 9001: 2008 certified quality management system (certificate number: 57846-2009-AQ-NLD-RvA). This certificate is valid until 15 December 2012. The organisation has been certified since 27 February 2001. The certification was issued by DNV Certification B.V. Furthermore, the chemical laboratory of the Environmental Division has NEN-AND-ISO/IEC 17025: 2005 accreditation for test laboratories with number L097. This accreditation is valid until 27 March 2013 and was first issued on 27 March 1997. Accreditation was granted by the Council for Accreditation.

Justification

Report number: C104/12
Project number: 4301103001

The scientific quality of this report has been peer reviewed by the a colleague scientist and the head of the department of IMARES.

Approved: Marloes kraan

Researcher

Signature:

Date: 18 September 2012

Approved: Tammo Bult

Head of the department Fisheries

Signature:

Date: 18 September 2012

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Appendix A: Participants list

Đơn vị thực hiện: BQL Dự án Hợp phần POSMA

DANH SÁCH CÁN BỘ THAM DỰ KHÓA ĐÀO TẠO

- Nội dung: Đánh giá HACCP, phân tích nguy cơ ATTP và phổ biến quy định của EU về chương trình giám sát ATTP thủy sản.

- Hoạt động: POSMA/2012/1.2.2.17

- Địa điểm: Tp. Nha Trang, Khánh Hòa - Thời gian: 05 ngày, ngày 20-24/8/2012

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