



Co-funded by the
Erasmus+ Programme
of the European Union



Project Title

Curriculum Development for Sustainable Seafood and Nutrition Security

Project Acronym

SSNS

Activity 3.2 Setup of equipment and establishment of “Sustainable Seafood Centres” in partner countries:

*Deliverable 3.4 – Common framework report for the establishment of
“Sustainable Seafood Centres”*

December 2019

Funding details:

Education, Audio-visual and Culture Executive Agency

Erasmus+: Higher Education – International Capacity Building

KA2: Cooperation for innovation and the exchange of good practices – Capacity building in the field of Higher Education

Agreement Number: 2018 – 0028 / 001 - 001

Project Number: 585924-EPP-1-2017-1-TH-EPPKA2-CBHE-JP

Support:

Co-funded by the Erasmus+ programme of the European Union

Deliverable details:

Due date of deliverable: 31-12-2019

Actual submission date: 20-12-2019 (process submission)

Start date of project: 15 - 10 - 2017

Duration: 3 years

Organisation name of lead contractor for this deliverable: RIA1, Vietnam

Dissemination level		
<input checked="" type="checkbox"/> Department / Faculty	<input type="checkbox"/> Local	<input type="checkbox"/> National
<input checked="" type="checkbox"/> Institution	<input type="checkbox"/> Regional	<input type="checkbox"/> International

Disclaimer:

The European Commission supports for the production of this publication does not constitute an endorsement of the contents, which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Brief progress report on SSNS Centres

Activity 3.2 Setup of equipment and establishment of “Sustainable Seafood Centres” in partner countries:

Deliverable A3.4 – Common framework report for the establishment of “Sustainable Seafood Centres”

As the task 3.2 and Deliverable A3.4 are associated, this report has combined them. The responsible partner (RIA1) is coordinating the activities related to the establishment of centres and equipment purchase and installation. During the recent meeting in Can Tho University, this matter was discussed among the partners in-depth and progress report was presented by Đặng Thị Lua from RIA1. The summary of meeting discussion are as follows:

- Project Coordinator made clear that equipment are linked to the SSNS Centre to be established but they should be used for mainly teaching and learning purposes by the students taking any courses offered by the department/programs related to seafood/nutrition. Each of the 9 Asian partner institutions should have a “Centre” to reflect to Sustainable Seafood and Nutrition Security one way or another.
- The Coordinator also reported on correspondence with the EU Project officer which clarified that equipment purchase within the project is not approved unless establishment of a centre is assured. They should be purchased as soon as possible as the new courses are already developed and are being tested.
- Delay in equipment purchase occur as equipment are mainly for new courses developed under the project.
- To establish a “Centre” normally it requires a proposal containing a Mission, Vision, and objectives and major activities to submit to authorities and need a formal approval by institutional and often national authorities (e.g. Government departments).
- The Centre requires an allocation of room(s) and installation of facilities including logo/signboard.
- Centre requires staffing such as Director, Secretary and may be more. It was assumed that the Local SSNS Project Coordinator to be the Director; however, depending upon the situation partner institution can choose others. In some cases, the Director is already decided; whereas in other cases, each partner needs to select.
- The Centres should be either self-sustaining in terms of income and expenditure or supported by the university budgets. Vocational Education Training (VET) courses have been proposed to be the major sources of income under the project. However, the centre needs to be dynamic and smart enough to design new courses and activities i.e. developing over time.
- Some challenges were pointed out while naming the centres. Partners agreed to have slightly different names instead of same for every university because it may be seen as duplicate/repetition, and also different partners have different foci within the seafood and nutrition security. Some partners work for sustainable seafood production (sustainable farming, aquaculture), sustainable fishing (catch) while others have seafood processing and marketing.
- Therefore, it was suggested to add objectives to the remit of a centre to fit the requirements of the SSNS project and reflect sustainable seafood and nutrition security. The name can be slightly different to reflect their foci.
- It was suggested to simplify name to general. Specification as research or education centre is not necessary but they can be mentioned in objectives/activities.

- After the meeting partners agreed to work further and provide necessary evidences of their efforts which are summarized below:
 1. **AIT, Thailand** has recently established (Estd. May 2014) “Aqua-Centre” to promote sustainable seafood and nutrition security, focusing on the production of seafood through promotion of sustainable farming or aquaculture. There was a suggestion to change its name to Sustainable Seafood Centre (SSC). On the other hand, opinions were to keep it as it is with giving more focus on project objectives. It has its own facilities, and staff such as Director, Research Associate and Secretary. The centre has a classroom for teaching and training, three rooms for offices for staff, a room for lab equipment, four aquaponic systems, and a water recirculatory systems for research and teaching (pictures enclosed in folder). Projects related to aquaculture and fisheries are under the centre. SSNS project has been the major part of the centre. There was a discussion to change its name to Seafood Security Centre; however, Aqua-Centre is already has the mandate to do the activities what SSNS project is expecting to do by the centre. For example, training programs are organized adapting incorporating the SSNS objectives. Training courses, internship and other projects developed with the SSNS project period have already been offered. A total of seven training programs were organized in 2019 with special focus on sustainable seafood related such as farming of Shellfishes (6 participants), Sea bass (2 participants), Seaweed (8 participants) and Tilapia (11 participants). The programs developed and equipment to be purchased has driven the Centre to a greater height in contributing to sustainable seafood and nutrition security of the people around the world in addition to Thailand. A brochure and the recent report are provided in a folder (TH-AIT). More information about the centre are found available at:
<https://aqua-centre.org>
<https://www.facebook.com/groups/aqua.centre/>
 Intuition’s webpage: <http://serd.ait.ac.th/research-and-academic-center/>
 2. **Maejo University, Thailand** has established centre on June 18, 2019 named, “CEFAR – Centre of Excellence for Fisheries and Aquaculture Research” opened in June 2019 coordinating with another EU project. The document of centre establishment, pictures of the office, laboratory room are provided in the zipped folder. The centre also has its website at:
<http://www.fishtech.mju.ac.th/WEB/CEFAR/>
 3. **Khon Kaen University, Thailand** – The university has established a “Coordinating Centre for Sustainable Seafood and Nutrition Security” allocating a room and a laboratory room on 9 December 2019. Their pictures and a document of centre establishment and picture of doors are enclosed in the folder.
 4. **University of Gadjah Mada** – Indonesia established the centre and the opening ceremony or inauguration the centre was carried out on **April 25, 2019**. The Centre, “Centre for Seafood Security and Sustainability (CS3)” was inaugurated by the Dean of Faculty of Agriculture, Universitas Gadjah Mada (UGM). In this inauguration ceremony, the Scientific Forum of Graduate Program in Fisheries Science was also conducted with a keynote speaker from the Head of Quality Control Center, the Board of Fish Quarantine, Quality Control and Fish Product Safety, Republic of Indonesia. In this forum, seven papers in seafood production and nutrition were

presented by master and PhD students. The forum was attended by approximately 120 participants, including dean and vice dean, director of academic UGM, Director of alumni and partnership UGM, Provincial Fisheries Agencies of Yogyakarta, dean from adjacent universities, private company, university journalist and students. The news related to the inauguration of the centre is available at the university web <https://www.ugm.ac.id/id/berita/17871-fakultas-pertanian-dirikan-centre-for-seafood-security-and-sustainability>. A website of the center, <http://seafoodcenter.faperta.ugm.ac.id/>, was also established. We also printed and uploaded the leaflet centre in the web (Appendix).

The SSNS secretariat center occupies a room in the second floor of A4 building in the Department of Fisheries, Faculty of Agriculture UGM. A picture of Secretariat Office of Center for Seafood Security and Sustainability (CS3), Department of Fisheries, Faculty of Agriculture UGM is given in the folder. The centre also conducted the first workshop on Molecular Techniques of Aquatic Plants held on 10-11 July 2019 with instructors of Prof. Nikolai Borisjuk, PhD, Dr. Alim Isnansetyo and Indah Istiqomah, PhD. The workshop was attended by approximately 20 participants including teacher, students and laboratory technician (picture provided in folder).

5. **JFU, Indonesia** – A centre of excellence called “Institute of Productivity, Research, Innovation and Development for Fisheries (iPRIDE4Fish) has been established on **23 Nov 2018**. One of the iPRIDE4Fish’s missions is to promote sustainable seafood and nutrition security. Following its launching last year, the centre has been working with a range of relevant stakeholders, particularly through academic and research collaboration. A dedicated office has been provided by JFU (relevant information are given in the attached file folder of its name). Recently, the organization of the iPRIDE4Fish consists of: Managing Director, Executive Director, Secretary, Treasurer, Expert Coordinator, and Board of Experts. The centre has also been visited by the Erasmus+ EU team (Ms. Giordana) during monitoring program held in November 2019.
6. **Bogor Agricultural University (IPB)** – IPB has established a Research Centre of Excellence (RCoE) Sustainable Seafood and Nutrition Security on **Dec 5, 2019**. This centre was approved by the Dean of Faculty of Fisheries and Marine Sciences by the decree No 83/IT3.F3/HK.00.03/2019. The RCoE has an office and laboratory where all equipment purchased will be installed. Picture of the RCoE SSNS Centre office, lab rooms, and others are provided in the folder i.e. Indonesia/IPB. The centre has three objectives such as:
 - To conduct research on sustainable seafood and nutrition security
 - To promote sustainable seafood and nutrition security
 - To update curriculum development to support sustainable seafood and nutrition security based on research and community engagement.
7. **RIA1** has established a centre named SASS (Sustainable Aquaculture and Seafood Security) on **December 16, 2019** and has allocated an administration room with desks and with project signboard. A meeting/training room has also been prepared to install the equipment for the purpose of teaching and training. Ms Dang Lua has already

been appointed as Director of the Centre. RIA 1 already has three lab rooms and the project staff can use these labs for the purpose of the project. Relevant documents and pictures have been provided in zipped folder.

8. **Nong Lam University, Vietnam** has recently established (**January 1, 2019**) a centre coordinating with another EU Erasmus+ project and is trying to find a name in English so that it reflects the SSNS project. NLU Acting Vice President agreed (agreement enclosed) and allocated a room for the Centre. The proposed name is Sustainable Aquaculture-Fisheries and Seafood Security (**SAFSS**). NLU team have already allocated the room (pictures included in the folder) which will have the SSNS Lab and project signboard. NLU team also has 2 laboratory rooms to install the equipment.
9. **Can Tho University, Vietnam** – had established a centre in **January 2016** with an approval letter from Director but it was inactive. Dean and SSNS Project team at the College of Fisheries and Aquaculture of the Can Tho University have decided during a recent meeting (meeting minutes enclosed in zipped folder) to change the name and add objectives to align with SSNS. The propose name is “Centre for Advanced Aquaculture and Seafood Research & Technology Transfer (**CASRT**). A room for the office has already been allocated (picture with SSNS signboard enclosed) and a room for lab equipment will be made available.

Summary:

Partners of the project have established new centers or modified existing centers aligning and incorporating the objectives/goals and activities based on their local contexts adapting slightly different names. The followings are the list of names of the centers:

SN	Partner's Name	Name of the Centre	Established Month/Year
1	AIT	Centre for Aquaculture Development (Aqua-Centre)	May 2014
2	Maejo Univ	Centre of Excellence for Fisheries and Aquaculture Research (CEFAR)	Jun, 2019
3	KKU	Coordinating Centre for Sustainable Seafood and Nutrition Security (CC-SSNS)	Dec 2019
4	UGM	Centre for Seafood Security and Sustainability (CS3)	Apr 2019
5	JFU	Institute of Productivity, Research, Innovation and Development for Fisheries (iPRIDE4Fish)	Nov 2018
6	IPB	Research Centre of Excellence (RCoE) Sustainable Seafood and Nutrition Security (SSNS).	Dec 2019
7	RIA1	Sustainable Aquaculture and Seafood Security (SASS)	Dec 2019
8	Nong Lam Univ	Sustainable Aquaculture/Fisheries and Seafood Security (SAFSS)	Jan 2019
9	Can Tho Univ.	Centre for Advanced Aquaculture and Seafood Research & Technology Transfer (CASRT)	Jan 2016