



Regional Workshop on Documentation and Dissemination of Successful Practices of Sustainable Intensification of Aquaculture in Asia-Pacific

16-18 June 2015, Bangkok, Thailand

Workshop Prospectus

Introduction

Intensification of aquaculture has been a driver to the rapid aquaculture growth (nearly 10 percent annually) in the Asia in the past two decades, which has significantly contributed to food security and nutrition of the people, rural livelihood and overall economy in the region. The region has constantly contributed over 90 percent of the world aquaculture production for decades. Aquaculture currently supplies 50 percent food fish for the world. In Asia, aquaculture supplies over 60 percent food fish, comprising over 20 percent of total protein intake by the Asian population. Needless to say, that there have been repercussions of intensification, such as negative impacts on environment, issue with biosecurity and food safety and problems related to socioeconomics, which have attracted considerable public concern regarding the long-term sustainability of the sector.

Being the most populous region of the world with heavy demands on natural resources, Asian aquaculture will face great challenges to maintain its growth, to meet the increasing demand for fish inside and outside the region over the coming decades. It is estimated that fish consumption in Asia and the Pacific will increase by 30 percent by 2030. It implies the aquaculture production will need to increase by 50 percent by 2030 from the present level due to the stagnant capture fish production. Intensification of aquaculture has been an ongoing process in the region, which aims to increase the productivity and economic efficiency of aquaculture production through intensified use of inputs (materials, energy and investment) and resources (water, feed ingredients), application of new technologies and more efficient management practices.

Working with limited natural resource and various challenges, the most effective approach to meet the increasing demand for fish is to promote **Sustainable Intensification of Aquaculture (SIA)**, which means "to produce more with less"-

to increase the productivity and efficiency in aquaculture production while reducing the consumption of resources and negative environmental and social impacts through improved governance, management practices and adoption of innovative technologies. In order to support sustainable growth of aquaculture for contributing to increased fish supply for food and nutrition, increased livelihood opportunities and overall economic growth in the region, FAO is currently implementing a regional initiative on sustainable intensification of aquaculture for blue growth in Asia-Pacific. A great number of aquaculture production and management practices have been innovatively developed and applied by aquaculture practitioners and managers to improve the sustainability of intensive aquaculture in the region. Therefore, documentation and dissemination of existing successful production and management practices for sustainability of aquaculture intensification has been identified as an important approach to implement the regional initiative.

Rationale

The Network of Aquaculture Centres in Asia-Pacific (NACA) and Food and Agricultural Organization (FAO) are pursuing to work jointly in documenting and disseminating existing successful production and management practices for sustainability of aquaculture intensification in the region. This documentation and dissemination of successful production and management practices of SIA is seen as an important approach to promote SIA for sustainable economic growth of the region.

Objective

This initiative envisages a focused drive to identify, evaluate and document the practices/cases that meet the criteria of *sustainable* intensification of aquaculture, given proven benefits to aquaculture, farmers or communities and at the same time have potential for replicating in other parts of the region.

This exercise will bring out in documented form and also provide an avenue of presenting these success stories to other potential users and platform for cross-learning to support dissemination of successful cases in other regions of Asia-Pacific.

Expected outputs:

The workshop is to produce the following outputs:

- Significantly increased awareness to existing successful practices of sustainable intensification in the region;
- Recommendations and guidance for author experts to modify and finalize their documentation on successful practices of sustainable intensification in the respective countries;

- A draft regional synthesis report on successful practices of sustainable intensification in Asia-Pacific
- Strategy for dissemination and scaling up the documented successful practices of sustainable intensification in Asia-Pacific
- Draft version of FAO-NACA joint publication on successful practices of sustainable intensification in Asia-Pacific

Participants

The workshop will be participated by the experts identified for the selected SIA cases from the respective countries and experts from other countries in Asia and the Pacific, which are not represented in the documentation process.

Workshop modality

The author experts for documenting the selected cases of successful practice of sustainable intensification of aquaculture will present the documented successful practice of SIA. Each presentation will be followed by plenary discussions on how to modify the documentation for comprehensiveness and better hear.

The participants including experts will spread into heterogeneous groups from different countries and will make focussed discussions on utility of the SIA cases, their potential and perspective regions of adaptation, likely benefits and identify gaps which need to be filled to achieve the upscaling of dissemination and strategies required. The groups will reshuffle again for discussions, so that all participants have chance to give inputs in this dissemination process. The outputs of group discussions will be presented during the plenary session.

Attempt will be made to produce a regional synthesis report on available and needed good practices in effectively addressing issues related to intensification of aquaculture in different dimensions.

Time and venue

Bangkok – Thailand, 16-18 June, 2015. Venue: Centara Grand at Central Plaza Ladprao, <http://www.centarahotelsresorts.com/centaragrand/cglb/index.asp>; 1695 Phahonyothin Road, Chatuchak, Bangkok 10900, Tel No +66 2 541 1234

Follow up actions

- The author experts will finalize the documentation of successful practices of SIA following the recommendation of the workshop
- NACA and FAO will finalize the synthesis report on these SIA practices

- A publication including all the documentation of all selected successful practices of SIA and synthesis report will be produced jointly by NACA and FAO and distributed to aquaculture planning and management authorities of countries in the region, relevant regional and international organizations and the workshop participants.

Contact information

Communication related to this workshop should be addressed to the following resource persons:

Kuldeep K. LAL
Coordinator, Genetics & Biodiversity Programme
Network of Aquaculture Centres in Asia-Pacific headquarters (Thailand)
Email: kuldeep@enaca.org

Weimin Miao
Aquaculture Officer
Regional Office for Asia and the Pacific
Food and Agriculture Organization of the United Nations (FAO)
39 Phra Atit Road, Bangkok, Thailand 10200
Email: Weimin.Miao@FAO.ORG