

International course

Ecosystem approach to fisheries



Monitoring of resource use and fisheries impact

Wageningen, The Netherlands, 27 November – 15 December 2017

This course is suitable for you if you:

- would like to understand better what Ecosystem Approach to Fisheries (EAF) is;
- would like to learn how you can apply EAF in your fisheries situation;
- like to learn how to analyse fisheries catch and effort data and evaluate better the information that results from these data.

EAF: No fish is an island It is now commonly realised that most fisheries cannot be managed well when managers only consider the target species. It is also better understood that not only fishing, but also the wider ecosystem impacts on the target stock in various and complicated ways. Fish capture itself has an impact on the aquatic ecosystem that often goes beyond just removal of part of the target species population. EAF takes these impacts into consideration.

And no fisherman is an island Fishers are at the start of a chain that may end with consumers that live in another continent. The preferences of these consumers, or of other stakeholders that are part of the chain, can have an effect that goes back to the fish producer. In many markets the catch is competing with farmed aquatic products. Also, fishers are not the only users of the water: other groups are often equally interested in and dependent on water bodies, aquatic ecosystems and shore lines. Maintaining healthy ecosystems and a vibrant fishing sector as well as making sure that the interests of the fishery sector are considered and represented - versus claims and the interests of other user groups - is what a fisheries manager is supposed to do.

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| Fee: | 3,900 Euro |
| Deadline subscription: | 16 October 2017 |
| Deadline NFP/MENA fellowships: | See website |



Is this course useful for you? If you are a professional playing a role in fisheries management, fisheries research, teaching or extension this course will certainly widen your perspective. Besides EAF theory the course will teach you analytical tools that will help you to make more sense of fisheries and socio-economic data. We will discuss various approaches to fisheries management and guide you through the first steps of applying an Ecosystem Approach. We will analyse what information from the aquatic ecosystem and what socio-economic information is needed for fisheries governance. Attention will be given to processing of catch & effort data and evaluation of the information resulting from such data. You will be given the opportunity to work on your own catch and effort time series and discuss the analysis of your own data with experts.



The course programme in brief The first part of the course will focus on various approaches to fisheries management; in particular the Ecosystem Approach to Fisheries will be explained. We will use the toolbox developed by FAO to support a transition to EAF.

In the second part the focus will be on fisheries data and the information that can be derived from catch and effort data. You will be taught analytical tools that fit well in an EAF.

In the last part you will hone your skills in collecting socio-economic data. If the circumstances allow, we will take you to a Dutch fisheries setting and you will collect information from various stake holders. Various tools to analyse the information thus collected will be put in practice. In the process you will develop insight in some of the issues the Dutch fisheries sector is dealing with.

At the end of the course we will pay special attention to some fisheries management topics that are of special relevance for this group. During the course participants will gradually learn each other's background and exchange problems, experiences and possible solutions. To enable an exchange of experiences a number of years with relevant working experience is required.

Training methods We will apply various training methods: lectures and discussions, individual and group assignments, films and role play. During part of the course you will work as far as possible with your own digital data sets (catch and effort time series). Rapid Rural Appraisal techniques and stake-holder analysis tools will be practised when we are in the field.

Requirements for admission

Applicants should meet the following requirements:

- academic degree (BSc or equivalent) in a discipline relevant for fisheries management (such as fisheries science, coastal zone management, community development, biology, extension, social science, economy, etc);
- at least 3 years of relevant working experience in fisheries management, research, higher education in fisheries-related subjects, fisheries extension & training, development of coastal or lake-side communities or other fisheries-related work fields;
- competence in English language.

Further practical information

- **Application**, the procedure is:
 - 1) Apply at the website of Wageningen Centre for Development Innovation**, www.wur.eu/cdi. You will receive a confirmation and more information within a week. Early application is recommended as some procedures to finalise subscription (f.e. funding, visa) can take some time.
 - 2) CDI** is unable to assist you in obtaining financial support, however if you want to apply for a **NFP/MENA Fellowship**, CDI will provide you with the full instructions and the web address for registration in **ATLAS**. ATLAS is the online application form for an NFP / MENA Fellowship. You can check the eligibility at www.nuffic.nl/nfp or www.nuffic.nl/mena. A limited number of scholarships is available. As this application process takes time and requires several documents, we recommend that you **start as soon as possible**.
- **NFP / MENA Fellowships include** travel and full board and lodging.
- **Accommodation:** Hof van Wageningen, Wageningen, The Netherlands. For prices, see the cost estimate on our website. **NFP / MENA Fellowships include** travel and full board and lodging.
- **Fee** includes all course related costs (materials, excursions, administration).
- Participants will be awarded with a **Certificate of attendance**. The programme of the course might be changed to incorporate new insights.

Joining on of our courses will expand your horizon, both in a social and scientific way. You can share experience and knowledge with others working in similar fields, get up-to-date in current scientific insights methodologies and practices, and become part of our 20.000 strong alumni network.

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