

PhD-scholarship in Eco-system Based Fisheries Management at the Department of Environmental and Business Economics

A PhD Scholarship is available at the Research school Centre of Fisheries & Aquaculture Management & Economics (FAME) at University of Southern Denmark, Esbjerg.

The objectives of this project are to develop an ecosystem-based fishery management model. The aim is to develop a management tool examining different options use of living marine resources on bio-economically optimal and ecologically sustainable basis. Emphasis is given to a broader ecological based management approach. The ecosystem based fisheries management approach is encouraged by scientist and policy makers and is an aim of EU Common Fishery Policy. However, there is a lack of development towards integrated models that both on generic and case specific basis can handle the question about the relationship between the fisheries and the whole marine ecosystem to trade-off different uses of the marine environment. There is a need to understand how the use of ecosystems can be balanced. From a research point of view the concept of ecosystem-based management has not yet been put into practice. An ecosystem based management system might come up with traditional target harvest levels for each species, but at the same time ensure e.g. that the total biomass removed by all fisheries in an ecosystem is less than the total amount of system productivity together with other constraints such as for instance protection of habitats and sensitive species. These are constraints that are normally not included in traditional bio-economic models.

As part of the PhD program, an individual education program within the field of Environmental and Resource Economics and Management has to be completed. During program period you have three main activities to pursue: Conduct research related to your PhD thesis, participate in PhD courses, and teach (or do other kinds of presentations or research assistance). The workload of the PhD courses and the teaching will be equivalent to six months' work over the period of the program. In addition, you are expected to interact with relevant research groups, for instance, by staying 3-6 months at a research institution abroad. Likewise it is expected that you participate in international conferences. Finally, you are expected to participate in the various activities in the department and – apart from your stays abroad – to be routinely present at the department.

The scholarship is available to students who have completed a MSc in Economics or other relevant MSc study programmes. The scholarship runs for three years.

Further information about the PhD-scholarship can be obtained from Supervisor, Professor Niels Vestergaard, University of Southern Denmark at phone +4565504181, e-mail: nv@sam.sdu.dk.

Employment as a Salaried PhD Research Fellow is governed by a protocol on PhD Research Fellows signed by the Danish Ministry of Finance and AC (the Danish Confederation of Professional Associations) on 11 January 2006, enclosure 5.

Fill in the application form available on our web page <http://www.sam.sdu.dk/doc/phd/uk/ansuk.doc> or call the Social Science Faculty secretariat, Mette Fuglsig, phone +45 6550 2201, e-mail: mef@sam.sdu.dk.

All interested persons are encouraged to apply, regardless of age, gender, religious affiliation or ethnic background.

Please send in 4 copies of the application including curriculum vitae, project description, publications if any, marked 351/522-085453 before 17 April, 2008 at 12 noon to the University of Southern Denmark, The Faculty of Social Sciences, Campusvej 55, DK-5230 Odense M, Denmark.