

A 4-YEAR PhD POSITION IN FISHERIES ECONOMICS is available at Department of Economics and Management, University of Helsinki.

Keywords Bioeconomic modelling | Fisheries Economics | Game Theory

The PhD position is one of 20 positions that will be announced within the NorMER network (www.normer.org) – a Nordic Centre of Excellence funded by Nordforsk, on behalf of the Top- level Research Initiative (TRI) – **see text box below**.

Deadline for submission is 30th March 2011 Starting date is 1st August 2011

NorMER With NorMER a new generation of interdisciplinary researchers with experience in combining physical, biological, social and economic aspects of ecosystem management will be formed. The goal is to achieve a better understanding of the impact of climate change on marine resources in the Nordic region. This will be achieved by linking outstanding researcher groups located at all Nordic countries to create novel cross-disciplinary collaborations through joint PhD and Postdoc projects. Each PhD fellow will be internationally co-supervised between participating groups. The students will thus have a home base, but will spend some months working within at least one other node to develop a component of the project.

Project description Changing geographical distribution of resource stocks implies a changing distribution of harvesting opportunities. This is likely to have a profound impact on the allocation and sustainability of profits. In order to quantify these it is necessary to develop realistic case studies, as well as conceptual models. The student will first concentrate on the regional Baltic fisheries. She will construct a bioeconomic model of Baltic cod and its prey species sprat & herring, using it to study e.g. the effect of climate on the population dynamics, fuel prices and fish markets. Second, the international management of cod under climate change will be investigated. Questions such as how important is international fisheries management under changing climate in the Baltic region, will be answered. As various climate effects on biology and economics may change the bargaining positions of individual or groups of countries, the third step is to undertake coalition game theory analysis. The student will spend 4 months under the co-supervision of Thorsten Blenckner in Stockholm. During the visit an international bioeconomic model of cod under climate change is developed.

Qualification We search for a candidate with a strong background in Fisheries Economics and interdisciplinary research. Strong quantitative skills and experience with bioeconomic modelling are required. In particular, good knowledge of Matlab software is required. Strong interest in marine science, bio-economics and resource management is a further asset. Applicants must hold a MSc degree (or equivalent).

The purpose for the fellowship is research training leading to a successful completion of a PhD degree.

The fellowship requires admission to the research training program at the Faculty of Agriculture and Forestry. Appointment to a research fellowship is conditional upon admission to the Faculty's research training program.

A good command of English is required for all students attending the University of Helsinki. International students who are not native speakers of English must document their proficiency in English.



7 PhD- and 4 Postdoc positions are now available at *The Nordic Centre for Research on Marine Ecosystems and Resources under Climate Change (NorMER)* – A Nordic Centre of Excellence.

NorMER (www.normer.org) is a new Nordic Centre of Excellence funded by Nordforsk, on behalf of the Top-Level Research Initiative (TRI), which consists of 45 researchers from 10 research units situated within all of the Nordic territories: Norway, Sweden, Finland, Åland, Denmark, Faroes, Greenland and Iceland. This collaborative project combines the expertise of internationally recognized research teams to implement a multidisciplinary research strategy to explore the biological, economic, and societal consequences of global climate change on fisheries resources in the Nordic region, with a primary focus on the Atlantic cod. NorMER will achieve this through a unique program of primary research, for which the members will collaborate in training a total of 15 new PhD students (7 announced in 2011, 8 in 2012) and 5 Postdocs (4 announced in 2011, 1 in 2012) through joint projects that integrate biology, economics, industry and policy.

All 11 positions are now simultaneously announced locally at their respective institutions: <http://www.vacancies.normer.org/>. We encourage all candidates to **apply for more than one position**, if possible. For questions about the network, please contact: normer-post@bio.uio.no

Research areas: Ecology, Evolutionary biology and Economy

Announcement date: 18th February 2011

Application deadline: 30th March 2011

Starting date: 1st August 2011



Salary Initially: 1800 – 2300 euros per month, depending on qualifications

The application must include:

- A cover letter including a statement of interest, summarizing the applicant's scientific work and interests and describing how she/he fits the requirements for the position
- A CV including a list of published and unpublished works
- Transcripts of records, copies of certificates and grades from bachelor and master level
- Two letters from reference persons or names and addresses of two reference persons
- Copies of relevant published papers and a copy of the MSc thesis.

We encourage all candidates to **apply for more than one position** (see text box). Foreign applicants are advised to attach an explanation of their University's grading system. Please remember that **all** documents should be in English or a Scandinavian language.

Send applications by e-mail to: Dr. Marko Lindroos marko.lindroos@helsinki.fi