

1 PhD student in the research education subject: Biology with orientation Ecology

Recreational fisheries: characterization, quantification and biological impact on natural resources

The Swedish University of Agricultural Sciences, Dept. of Aquatic Resources (SLU Aqua), Institute of Marine Research, is looking for a highly motivated PhD-student to improve the knowledge on recreational fisheries to be applied in the assessment of the status of natural resources.

Recreational fisheries constitute a significant component of fish and crustacean mortality in many parts of the world. Thus, beside its social and economic importance, recreational fishery is increasingly recognized as an important component in the assessment of exploited populations. Yet, recreational fisheries in European marine waters have only recently been characterized and on a very limited number of populations. The absence of this information implies that the impact of recreational fisheries on natural resources is in European waters are largely unknown. This project aims to bridge empirical description of recreational fishing and quantitative stock assessment. Some of the objectives of the project are (i) to quantify the total removals and analyse the biological structure of the recreational catches; (ii) to characterize the different segments of the recreational fisheries; (iii) to analyse the biological and social overlaps between the different segments of the recreational fisheries; (iv) to investigate the importance of the recreational fisheries compared to commercial fisheries in terms of biological impact, but also geographical overlap and socio-economical contribution (v) to apply the gained biological information in the evaluation of the status of different exploited populations. The results of the project will generate new knowledge on recreational fisheries and will be used in fisheries and ecosystem-based management. The project will focus on recreational fisheries in Swedish waters but comparisons with other countries will also be made.

The PhD student will work at SLU Aqua in Lysekil with working and training periods abroad. SLU Aqua has extensive national and international collaborations. The PhD position includes opportunity of exchanges within this large research network, participation in research surveys, and involvement in ICES stock assessment work. Periodically intensive field work is part of the position. The successful candidate will interact with the other PhD students enrolled at SLU Aqua.

Qualifications

The candidate should have an MSc degree or equivalent in Biology/Ecology/Environmental Sciences with skills in quantitative statistics, or in Statistics/Mathematics with strong documented interest in biology. Particular merits are experience in field and laboratory work with fish and crustaceans and in sampling design. Familiarity with recreational fisheries and stock assessment are merits. Experience in conducting opinion polls is an asset. Demonstrated skills in scientific writing are an advantage. Personal qualities such as dedication, high degree of self-motivation, creativity, initiative and independence as well as ability to collaborate with colleagues are essential. Very good communication skills in spoken and written English are required. Skills in spoken and written Swedish are an advantage.

SLU is an Equal Opportunity Employer.

A person has basic eligibility for third level education if he or she has taken a second level qualification or has completed course requirements of at least 240 higher education credits, including at least 60 higher education credits at second level.

Selection among applicants meeting the requirements is made with reference to written application including curriculum vitae, copies of degrees and transcripts of academic records, one copy of the dissertation for masters or undergraduate degree, a list of at least two references familiar with the applicant's qualifications, certified knowledge of the English language and an interview.

Read more about the PhD education in [the Handbook for postgraduate students](#)

Read about the PhD education at SLU at www.slu.se/en/education/programmes-courses/postgraduate-studies/

Use this [APPLICATION FORM](#)

Further information:

Dr. Andreas Sundelöf, andreas.sundelof@slu.se, +46(0)104784069
Prof. Michele Casini, michele.casini@slu.se, +46(0)104784016.

Academic union representatives

SACO Saco-S föreningen SLU +46 (0)18 67 10 85
SEKO Linda Thörnström +46 (0)18 67 10 57
ST Lotta Olsson +46 (0)18 67 15 36

Applications, marked with **ref no SLU ua 4070/2016**, must have arrived at the Registrar of SLU, P.O. Box 7070, S- 750 07 Uppsala or registrator@slu.se no later than **2016-11-27**.

Forms for funding or employment
Employment as PhD student 4 years