

Open call

Two PhD positions: Small-scale fisheries in West African waters – assessment, resilience and ecological-economic modelling of key fish species

Context

The candidate will work in the framework of the AWA Project (BMBF-AIRD) “Ecosystem Approach to the management of fisheries and the marine environment in West African waters” within the area of “Economics integrated into the ecosystem approach to marine management” WP4.

The work will be in the interface between, fisheries ecology and economics.

Profile

The candidates shall perform fishery surveys in Senegal and Gambia including an experimental setup as well as spatial ecological-economic modelling on the basis of collected and literature data. The goals will be to map small-scale fisheries, determine their major target species and investigate their coping mechanisms with anticipated major threats using microeconomic empirical analysis. The work will include the collection of ecological and economic data for two species, Round sardinella (*Sardinella aurita*) and Bonga shad (*Ethmalosa fimbriata*), from literature and field surveys, in close collaboration with partners within the project. If suitable, the candidate shall develop ecological-economic models for the two key species within the project, under consideration of climate change.

The successful candidate will mainly work in her/his home country. He will be supervised locally (African AWA partners) and supported by researchers from University of Kiel, Germany in association with IRD in France. To develop and learn the methodological approach, the candidate will spend 3 to 6 months in collaborating institutes in France and/or Germany. The project will run for 3 years.

We are seeking a highly motivated PhD candidate with a master in geography, ecology development or resource economics, preferably with fisheries as specialization. It is expected that the candidate will familiarize herself or himself with the respective other fields.

Requirement

Advanced knowledge of statistical or econometric methods and experience with quantitative data analysis is required. Good knowledge of the English language is a prerequisite.

Deadline for presentation of applications: June 15, 2013

Contact

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