

**Announcement of a Quantitative Fisheries/Ecology Post-doctoral Position,
Center for the Advancement of Population Assessment Methodology (CAPAM)**

The Center for the Advancement of Population Assessment Methodology (CAPAM) is seeking a researcher to work on spatio-temporal modelling of fisheries data. CAPAM is a collaboration between the Scripps Institution of Oceanography (SIO), the National Marine Fisheries Service (NMFS), and the Inter-American Tropical Tuna Commission (IATTC).

The research will address important issues related to deriving indices of relative abundance from catch-per-unit-effort data by taking into consideration the spatio-temporal variation in fishing effort and in the population. The research will further develop spatio-temporal modelling by incorporating population structure (e.g. length and gender of individuals) into the analysis to address the inconsistencies between representing the structure of the catch versus the structure of the underlying population, which is a bias in most fisheries stock assessments. The research will contribute to the CAPAM workshop on spatio-temporal modelling to be held in March 2018. The tools learned during the research are applicable to many different applications and ecological questions. The applicant is expected to have a Phd in a quantitative field or a masters in a quantitative field and relevant experience. Experience in spatio-temporal modelling is preferable and experience with Template Model Builder (TMB) is desirable.

The term is one year with the possibility of extension depending on the availability of funding and located at La Jolla, CA. The research will be conducted under the supervision of CAPAM members Brice Semmens (SIO) and Mark Maunder (IATTC) in collaboration with Jim Thorson from NMFS in Seattle, who is a world leader in fisheries spatiotemporal modelling. The ideal candidate will be available to start between now and August 2017. Applications will be considered immediately, and until the position is filled.

To apply, please send a resume and cover letter via email to Brice Semmens (bsemmens@ucsd.edu) with the subject line 'CAPAM postdoc application'.