Harvard/TNC Postdoc on Sustainable Aquaculture for Food Security

Request for Applications for Post-doctoral Researcher: The use of life cycle analysis (LCA) to improve nutrition sensitive aquaculture

This project is in collaboration with The Nature Conservancy’s Global Aquaculture Program, for a full-time postdoctoral researcher to be based at the Harvard TH Chan School of Public Health and supervised by Dr. Chris Golden. The postdoctoral researcher will also be co-advised by Dr. Jessica Gephart at the National Socio-Environmental Synthesis Center and Robert Jones of the Nature Conservancy. The postdoctoral researcher will identify aquaculture systems that provide maximum nutrition with minimal environmental impacts by integrating nutritional dimensions into aquaculture life cycle analysis (LCA). We will develop the method using published LCA data and use the reviewed studies to identify priority locations and aquaculture systems for further empirical data collection and novel analysis. This project consists of four stages: 1) review and synthesize previous aquaculture LCAs; 2) integrate a nutritional dimension into the reanalysis of previous LCA studies; 3) identify gaps and priority areas to collect data for original LCA studies; and 4) conduct a series of novel LCAs for selected aquaculture species and production types. In doing so, the results of this project will outline aquaculture systems with high potential to positively contribute to environmental conservation, sustainable development, and global human food security.

Qualifications
- PhD in environmental science, fisheries, agriculture, natural resources, engineering, or related field is required
- Knowledge of current LCA methods and literature and experience conducting LCA
- Excellent verbal, written, visualization and interpersonal communications skills
- Ability to work collaboratively in a decentralized network with a culturally diverse and international team
- Experience and interest in food systems, with a preference for experience working with seafood production systems
- Strong statistical and quantitative analysis background is required and expertise in R and/or LCA-specific programs is preferred
- Preference for experience working with large datasets and integrating multiple kinds of data in an analytic framework

To apply: Please submit
- a CV and a brief cover letter detailing relevant experience and reason for interest
- relevant past publications or writing samples
- the names/contacts of three references to Dr. Chris Golden (golden@hsph.harvard.edu) by July 20th. Applications will be reviewed on a rolling basis. Interviewing and hiring will take place prior to August 15th. Ideally, the candidate will start the position around September 1st, but a later start date can be negotiated.

Full position description available at:
https://www.dropbox.com/s/mrbf2lhzb3824xc/FINAL_aquaculture%20postdoc.pdf?dl=0