

POSITION TITLE: Post-Doctoral Research Associate in the Economics of Land and Water Use

NATURE OF POSITION: Economic Modeling of Long Run Sustainability

DATE AVAILABLE: The start date for this full-time appointment January 1, 2018. The initial appointment is for one year, with annual renewal based on performance and funding.

PRINCIPAL DUTIES: This position is part of Purdue's initiative in Global to Local Analysis of Systems Sustainability (GLASS: <https://mygeohub.org/groups/glass>) and this individual will report directly to the PI: Thomas Hertel. It will involve working with an inter-disciplinary team of researchers seeking to understand the local environmental stresses emerging as a consequence of global change, as well as the consequences of local responses to these stressors. The focus is on land and water resources used in agriculture. The economic modeling undertaken by this individual will be spatially explicit and seeks to characterize economic and biophysical relationships at the level of individual grid cells, all nested within a global economic model. Current research in this group is focused on land cover change, water scarcity, nitrate leaching, food security, agricultural productivity, climate change, and international trade. The selected applicant will be expected to publish, as well as play a leading role in research projects, and contribute to competitive grant proposals. This person will be housed in the Department of Agricultural Economics but will be involved in collaborative relationships with colleagues in the Departments of Agronomy, Agricultural and Biological Engineering, Earth and Atmospheric Sciences, Economics and Political Science, among others. There also will be opportunities to collaborate with faculty and staff in the following Centers:

- Global Trade Analysis Project, <http://www.gtap.agecon.purdue.edu>,
- Purdue Climate Change Research Center <http://www.purdue.edu/climate/>
- Center for the Environment <http://www.purdue.edu/dp/environment/>,

QUALIFICATIONS: The successful applicant will hold a Ph.D. in agricultural, resource or environmental economics. S/he should have research experience in quantitative modeling using spatially explicit data.

SALARY: Commensurate with training and experience.

APPLICATION: Applications and references may be initiated by writing to or emailing: Sue Bennett, Center for Global Trade Analysis, Purdue University, Department of Agricultural Economics, 403 W. State St., West Lafayette, Indiana 47907-2056, email: benne122@purdue.edu. A background check is required for employment in this position. A complete application includes:

- A cover letter describing the applicant's research interests and experience
- A resume
- Names, email addresses, and phone numbers of at least three references who can evaluate the applicant's qualifications for this position

CLOSING DATE: November 30, 2017, or until an acceptable candidate is found. Applications will be reviewed as they arrive.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply

