Request for Incentive Award “Global Food Security” Proposals
Purdue Global Policy Research Institute
Purdue University
West Lafayette, IN 47907
[Deadline: Proposals – December 13, 2010]

Purpose
The Purdue Global Policy Research Institute (GPRI) requests proposals for cross-campus interdisciplinary research as part of Purdue University’s emerging Global Food Security Initiative. These incentive awards are meant to foster cross-College/cross-discipline collaborations with to develop competitive proposals that are aligned to the GPRI mission (see Review Criteria below). In this round, $120,000 will be provided to fund four to six research awards at $20,000 to $30,000 each. These incentive award grants are intended to support proposal development activities that will lead to the submission in 2011 of successful grants from federal or other sources of support. Proposals that will lead to international collaborations with an international co-PI(s) are encouraged.

Eligibility
Anyone certified by the Office of the Vice President for Research to serve as a Principal Investigator to an outside agency may submit a proposal. Strong preference will be given to proposals that include faculty from multiple colleges/departments. Co-PI proposals with the PI’s from different Colleges/disciplines are especially encouraged and will be prioritized for funding. Personnel from Purdue’s regional campuses are eligible.

Application and Submission Process
The deadline for receipt of proposals is 9:00 a.m., Monday, December 13, 2010. Proposals should be submitted as a single pdf file attachment to an e-mail message addressed to Angela Phillips Diaz, apdiaz@purdue.edu. Projects should have a start date no earlier than January 10, 2011, and include expenditure of all funds by December 31, 2011.

Budget Requirements
Proposals must include a budget prepared by the investigator’s pre-award office. A COEUS budget is to be included with the proposal. There is no cost share requirement for this competition. No F&A should be included in the proposal budget.

Cover Page
Proposals are to be attached to a completed Proposal Submission Form (the Pre-awards office will prepare this form) and should follow this sequence:

Page 1. Face Page, including:
- Proposal title
- Principal investigators (with electronic signature)
- Total budget
- Project period
Pages 2-6. Research plan, limited to 5 pages, single-spaced, one inch margins, and no smaller than 11 point font. Proposals must address:
- The review criteria listed below.
- What extramural funding will be pursued on the basis of the proposed activity?
- What international collaborations are targeted, if any?

Page 7. References.

Additional required pages:
- Two-page (max) biographical sketch for each participant
- Two-page (max) current and pending support for each participant
- Budget, as prepared through COEUS by the college’s pre-award group.

Review Criteria: Technical
- Demonstrated alignment with the central goals of the Global Food Security Initiative (required)
- High potential for submission to funding agencies and foundations early in CY 2011 (required)
- Reasonable probability of award success (required)
- Explicit cross-campus/cross-discipline collaborative team (strongly desired)
- Defined international collaborations (desired)
- High potential for financial and intellectual leverage (desired)
- Possibilities for private sector support and participation (desired)
- Focus on in-country capacity building, development of learning communities, entrepreneurial enterprises, and transfers of technology and information (desired)

Review Criteria: General
- Quality- The proposed research will meet high standards of scholarship.
- Leadership- The investigators must be innovative, have a strong track record, and show initiative in addressing the proposed opportunity. They must be driven to overcome obstacles to finding options to addressing the Global Food Security Initiative challenges.
- Interdisciplinary approach- The proposal should be submitted by a team with the skills needed for a holistic approach (to include where appropriate social and economic factors) to the proposed activity. Projects focused in a single discipline will not be funded.
- Scope- The proposed activity must be consistent with the mission of GPRI, which is to connect Purdue researchers with citizens, policy makers, and members of the media, informing decision-makers with objective research findings.
- Goal of this Solicitation- To provide an avenue for Purdue University experts to produce cutting-edge research for solutions to food security challenges.
- Leverage- Proposals will be judged on how well creatively resources are leveraged (intellectual, and geographic) to enhance success.
- Potential Impact- The result of the proposed activity must show promise of informing policy makers of viable options for addressing food security issues, to include social and economic impacts.
- Partnerships- Proposal teams are strongly encouraged to promote partnerships among centers or institutes engaged in research relevant to the Global Food Security Initiative and to identify promising future collaborations with foreign universities and international institutes. The use of funds
that involve students and/or the public are encouraged.

• **Student Learning** – Describe potential involvement of Purdue undergraduate or graduate students. Involvement could include individual student participation in research aspects of the project and/or faculty-led research teams of students that would qualify as a study abroad program.

• **Deliverables** – All publications and materials produced with the funding must acknowledge the GPRI, and electronic copies (or summaries, in the case of publications where copyright would otherwise prevent a full copy) must be delivered to GPRI for possible linking to the WWW site.

**Global Food Security Initiative:**

Still in the formative stage, Purdue University’s emerging Global Food Security Initiative will build upon the substantial and significant expertise that exists at Purdue in the fields of food production, protection, preservation, economics, as well as the related areas that impact the food system. It will build upon Purdue’s Land Grant mission of service for a better world. The initiative includes portfolios of food security, sciences (social, life and physical), engineering, technology, and management in each of these mission thrusts. The initiative will draw faculty, staff and student expertise from across the Purdue University campus.

Some specific elements of this initiative include:

- Integrated (research, teaching, engagement) capacity building/research with delivery projects
- Developing human talent in third world economies
- Conducting research which addresses climate change, energy, weather, nutrition, and health issues in developing countries as these issues affect food security
- Engaging students in service-learning activities which address global food security
- Developing entrepreneurial capacity in emerging economies

**Possible Focus Areas and Examples:**

- Predictive models of climate change and potential impacts to food production
- Health and nutrition opportunities that can result from improved food security and safety
- Sustainability of clean water and soil
- “Green” innovations for “smart” energy uses for small-holder agriculture
- Sensing systems to support observations and modeling of climate change and invasive species
- Applications of TAP practices to the transfer of technology and best practices
- Analyses of social, technological and economic interrelationships
- Engineering of farming equipment, energy systems and water systems that are adaptable to low-income economies
- Innovative enterprise financing models for small holder, low-revenue agriculture
- Innovative approaches for food production intensification
- Measures of human, economic, and political impacts resulting from advances in food security and food safety

**Post-Award and Reporting Requirements**

- All proposal teams are required to submit a final written report 30 days after the end of the Project period. (2 page max plus one page budget summary)
Contact Information
Questions about proposal submission should be directed to Angela Phillips Diaz at apdiaz@purdue.edu.