Convening and catalyzing a global network of Universities, government agencies, non-governmental organizations, and the private sector for research-driven practical solutions to critical development challenges in low and middle income countries

**LASER** = Long Term Services for Research  
**PULSE** = Partners for University-Led Solutions Engine

Funded by US Agency for International Development (USAID) for up to $70 million over 5 years

**Consortium Partners:**  
Purdue University, Catholic Relief Services, Indiana University, Makerere University (Uganda), University of Notre Dame

**Corporate Partners Advisory Board (CPAB):**  
13 multinational corporate partners to advise LASER on research priorities and co-implement on selected activities

**Higher Education Institution (HEI) Network:**
More than 30 universities from across Asia, Africa, and Latin America and 8 US universities who will work in partnership to define research topics and conduct research grants awarded by Purdue

Conceptually, **LASER PULSE** identifies priority development challenges and researchable questions with a range of stakeholders including USAID, other donors, local government and NGOs. LASER through an Innovation Science Tool. Purdue will competitively award research grants often to partnerships between LMIC and US universities.

The **LASER PULSE** strategy will ensure that research solutions development will be usable by involving users in participation at all levels, from topic selection, research question definition, conducting and testing research, and developing translation products for immediate use. The Consortium will support this process with capacity building and technical assistance to enable the researcher/user partnerships to function effectively. Researchers will be drawn from the **LASER PULSE** Higher Education Institution Network. Translation and dissemination happen through community engagement including local government, private sector, NGOs, and civil society.