Global Partnerships

February 19, 2015

Graduate Council Meeting
AGENDA

- Global Vision
- Strategic Goals – Corp. & Global Partnerships
- PU Structure and Support
- Strategic Partnerships with:
  - Private sector (Multinationals)
  - NGOs (Catholic Relief Services, Rand)
  - Universities
  - Nations (Columbia, India)
  - Continent
Purdue University will be the benchmark institution that serves as a model for how a large, public research university can be a global university in the absence of a physical campus presence in multiple countries. We will accomplish this via key strategic partnerships with public and private sector entities around the world.
INTERNATIONAL PURDUE

- 9,080 students from abroad, representing 122 countries
- 837 international faculty and staff from 62 nations
- Ranked 2nd among US public schools and 3rd in the nation for international student enrollment
National Origin of Tenured & Tenure-Track Faculty as of Fall 2013

63% of the 1,820 faculty at Purdue are originally from outside the U.S.

The size of the circle in each country reflects the number of Purdue faculty from that country.
Purdue is partnering with African countries to advance research, education, extension and entrepreneurship efforts of mutual benefit. Purdue colleges, departments, centers and programs are linking with universities, research institutes, companies, NGOs and alumni in Africa to establish sustainable partnerships that can change the world.

**STUDY ABROAD PROGRAMS**
Ghana, Morocco, South Africa, Tanzania and Uganda

**PURDUE PROJECTS IN MULTIPLE COUNTRIES**

- **PICS (Purdue Improved Crop Storage)**
  Benin, Burkina Faso, Cameroon, Chad, Ethiopia, Ghana, Guinea, Kenya, Malawi, Mali, Mozambique, Niger, Nigeria, Rwanda, Senegal, Tanzania, Togo, Uganda and Zambia

- **Basic Utility Vehicle**
  Cameroon and Ghana

- **Economics of Natural Resource Management Project**
  Ethiopia, Malawi and Uganda

- **Internationalizing Crop, Soil and Environmental Science Curricula**
  Kenya, Mauritania and South Africa

- **Purdue Peace Project**
  Ghana, Liberia and Nigeria

- **Refugee Studies**
  Ghana, Kenya and Liberia

- **USAID Aquaculture Innovation Lab Project**
  Ghana, Kenya and Tanzania

- **USAID Food Processing Innovation Lab Project**
  Kenya and Senegal

- **USAID Horticulture Innovation Lab Project**
  Kenya, Tanzania and Zambia

- **USAID Sorghum & Millet Innovation Lab Projects**
  Ethiopia, Niger and Senegal

**SELECT OTHER PROJECTS**

- **GHANA**
  - International Breast Cancer and Nutrition
  - Purdue Peace Project

- **KENYA**
  - Academic Model Providing Access to Healthcare (AMPATH)
  - Food Security for HIV/AIDS Affected Communities
  - Value Chain for African Indigenous Vegetables
  - Violence, Health and Forced Migration
  - Water Purification

- **SUDAN**
  - Excavations of Nile Valley Sites
  - Female Genital Cutting Practices

- **TANZANIA**
  - Water Defluoridation
  - Sustainable Medicine Program
  - Water Harvesting Project

- **UGANDA**
  - Primate Ecology and Nutrition
  - Soil Degradation and Household Well-being
  - Women’s Studies Project with Makerere University

- **ZAMBIA**
  - Maize Breeding
  - Speech, Language and Hearing Assessment and Management
STRATEGIC GOALS

Diversify student body; integrate with campus & community

Inform global policy-makers; policy internships

Alumni, corporate, & institutional partnerships

Significant, differentiated impact built on major campus strengths

Advance Indiana’s economic, social and cultural climate
WHY ENGAGE GLOBALLY?

- Attract the best, most diverse body of students, faculty & staff
- Provide powerful research and learning experiences that prepare us to be global leaders and strengthen our intercultural competencies
- Facilitate research partnerships with top global institutions and develop sustainable access to unique local resources
- Develop new approaches to education that are applicable on campus and beyond
- Promote Purdue’s international brand and academic ranking, and international alumni network
- Partner with private firms to establish Indiana as a hub for high-tech development and innovation
GLOBAL PARTNERSHIPS

Boeing 787 Dreamliner
Boeing 787 Dreamliner

Graphic by David Badders, Seattle Post Intelligencer, used with permission
Hirleman - Grad Council
Boeing 787 Dreamliner

Graphic by David Badders, Seattle Post Intelligencer, used with permission

Hirleman - Grad Council
PARTNERSHIP KEYS TO SUCCESS

- Passion within faculty critical mass of faculty across colleges
- Parity in relationships, valuing and nurturing the strategic partnership
- Shared leadership, designated leads coordinate the overarching strategy
- Symbiosis among global experiential learning, research, education, and corporate & alumni engagement
- Sustainable financial/people model
- Agility re new challenges & opportunities
GLOBAL RESOURCE COMMITTEE

- Linda Baer* – Interim Comptroller and Payroll
- Chris Martin* – Dir. of Business Mgrs.
- Christy Haddock – EVPRP Business Office
- Abby Daniels – Legal Counsel
- Peg Fish – Internal Audit
- Kim Hoebel – Managerial Acct. and Global Support
- Mark Kebert – Risk Management
- Denise Laussade – Procurement and Treasury
- Terri Mimms – Treasury Ops
- Pam Nesbitt – HR (committee sponsor)
- Ken Sandel – Sponsored Programs
- Beth Siple – Sponsored Programs / IPIA Business Off.
- Kathy Thomason – Acct. Srvcs.
GLOBAL ACADEMIC COMMITTEE

- Associate Deans for Global Programs
- Global Resource Committee (ex officio)

Purpose:
- Provide recommendations and feedback to Purdue leadership and to the campus community in general on:
  - The academic merit, the potential impact and the risk/benefit characteristics of new and ongoing global partnerships and programs
  - Global trends as they affect Purdue’s worldwide activities and profile, and
  - Collaborative development of strategic campus-wide global initiatives
CASE STUDY - SHANGHAI J.T.U. AND KARLSRUHE

(10 YEARS IN MAKING, ~1/3 PU S.A. >=1 SEM.)

- Multiple Colleges and S.A. Programs
- Sabbaticals, Visiting Faculty, Review Boards
- Cummins, Daimler, Dow, Ford, GM, John Deere, Shell, Siemens, United Technologies
- 2+2 and 3+2 programs (SJTU)
- Global Design Teams
- Intl Internships (bidirectional, work permits)
- Research (e.g. NSF IREE), joint publications
- Faculty Workshops (e.g. heat transfer)
- Confucius Institute, World Expo (SJTU)
$21.8B Annual Sales
- Pharmaceuticals
- Health and Crop Sciences
- IT-related Chemicals
- Basic Chemicals
- Petrochemicals & Plastics

Centers in:
- Ehime
- Osaka
- Tsukuba
- USA (2015)
US Innovation Center

- US Innovation Center will give Sumitomo’s research reach in the three key geographical regions (US, Europe and Asia). We expect to promote access to excellent research institutes, market trends and funding opportunities in the US.

- US Innovation Center will be launched in FY2015 with 2-3 postdocs who will engage in 1-3 research projects to refine them. The first 1-2 years will be a preparatory period.

- For each project, we anticipate that the Purdue’s PI and Sumitomo’s postdoc will work as part of a team.

- The center will be developed into 10-20 people steadily in the coming years.
CASE STUDY – COLOMBIA

- Partner with a Nation…
- Multiple Colleges and SA Programs
- 4 target tier 1 partner universities
- Colciencias and Colfuturo (NSF-eqiv. and foundation)
- PhD. Students – some are univ. instructors
- Corporate Partner Opportunities
- Sabbaticals, joint research, workshops (e.g. Nanotech), publications
- Guest Professors, Review Panels
- Purdue Director in Columbia
- LATeRAL Agreement broadens to region
CPI PROFESSIONAL DEVELOPMENT

Colombian student population at Purdue:

- **2010AY**: UG (10), Graduate (43)
  - ✓ Colciencias (1)
  - ✓ Colfuturo (0)

- **2014AY**: UG (~15), Graduate (~80)
  - ✓ Colciencias PhD fellows (33)
    - 10 CoAg, 19 CoE, 4 CoS
  - ✓ Colfuturo (5)

- **CPI & Entrepreneurship Center**
  - ✓ Focus groups and surveys were conducted to identify professional development needs.

- **CPI collaborated with Ecopetrol and Colciencias to develop a strategy for returning PhD students from abroad.**

- **CSAP Professional Development**
  - ✓ Writing workshop “Developing Paragraphs, Culture and Style”
  - ✓ Grant application in Colombia
  - ✓ Information Sources and Cognitive Authority
INDIA – UPDATED STRATEGIC FOCI (2015)

• **University Partnerships**
  • Develop partnership activities with Anchor institution in key areas
  • University-University programs with corporate partners

• **Corporate Partnerships**
  • Extend our activities to Indian companies and multinationals Corporate Social responsibility (CSR) funds

• **Government/NGO**
  • Partner in key development areas and compete for funding
    • Identify programmatic themes and funding opportunities
    • Leverage opportunities (GDA program in USAID)

• **Alumni**
  • Reconnect with alumni for help building Purdue brand and partnerships
  • Purdue-India Collaboration Lecture Series
    (alumni/friends/parents invited to events)
  • Purdue faculty/administrator presentations to alumni groups
    (1-2/year in select cities, coupled to other travel)
  • Connections to university/corporate/government partners via alumni
DISCUSSION...  

Thank you!