“International Research Collaboration, Faculty Development Programs, and Role of International Offices”

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Agenda for this Session

- International offices role in promoting international partnerships and the value of collaboration
- Stronger interaction between University areas, including research and international affairs offices
- Best practices in building international research support
- Learning and insights in managing international collaborations and agreements
- Emerging roles of international offices
The Value of Collaboration

- Encourage cross-fertilization between disciplines
- Provide access to expertise, equipment & resources
- Encourage learning tacit knowledge about a technique
- Combine knowledge for tackling large & complex problems
- Have a positive relationship with *productivity*
- Have a positive relationship with quality & *impact of publication*
- Contribute to prestige or visibility
Rising international collaboration.
An interconnected world.

- Solving global challenges
- Globalization and integration of markets and resources
- Mobility of the workforce
- Increased flow of information and communication
Rising international collaboration. An interconnected world.

Research articles with international co-authors, by selected region/country/economy: 1996-2009.*

- United States
- EU
- Japan
- China
- South Korea
- Taiwan

>25% Publications
>1 country**

Ref of interest: National Academies 2011
Examining Core Elements of International Research Collaboration: Summary of a Workshop
http://www.nap.edu/openbook.php?record_id=13192&page=R1
Playing a bigger role in promoting international partnerships - WSU Office of International Programs

- We identify funding opportunities.
- We promote faculty programs and interdisciplinary initiatives.
- We facilitate proposal development.
- We cultivate strategic partnerships with WSU partners around the world.
How we are structured

President

Provost and Executive Vice President

Vice Provost Office of International Programs

Administrative Services
International Center
International Research
International Undergraduate Admissions
Global Learning
Global Services
Enhancing international research & engagement at WSU

Connecting faculty to international partners with research synergies

Creating databases
- RFA/Grant mining - networking
- Forming interdisciplinary teams
- Global Operations Advisory Council
- WSU GOLD (non-profit)

Dialogues/consultation
- Workshops/Small group meetings with administrators, faculty, staff, and students
Workshop on “Advancing International Research”
October 2, 2012

What matters to our researchers at WSU?

- Research partners who complement their interests and further their program
- Sustaining quality relationships
- Funding and publications
- Staffing with qualified students, post-docs
- Recognition of effort – promotion and tenure
- Personal considerations (e.g. roots abroad, social justice/entrepreneurship)
- Support (Research office, International office)
Helping faculty establish foot in the door in international countries.

- International Research Travel Award
- Small training grants through USDA Borlaug and Cochran programs
- Faculty-led programs and other faculty exchange programs
- Fulbright Fellowship
Enhancing international research & engagement at WSU

U.S. Agency for International Development project in Indonesia: A Smart Strategic Coalition for Sustainable Agricultural & Economic Development through research and scientific training in Plant Biotechnology 2012-2015

Business Executives from the Philippines:
U.S. Department of Agriculture award: Training on Cold Chain Management for Food Safety and Quality.

U.S. Department of Agriculture International Science & Education award, "Sustainable livestock production practices, biofuels and health: Lessons with India
**WSU Research Strengths**

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
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<tbody>
<tr>
<td>Food and Agriculture</td>
<td>Contributing to a safe, abundant, and sustainable food and fiber supply</td>
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<tr>
<td>Global Animal Health</td>
<td>Solving global infectious disease challenges</td>
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<tr>
<td>Clean Technologies</td>
<td>Addressing the threats of energy supply, global warming, pollution, and resource depletion</td>
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<tr>
<td>Brain, Behavior, Sleep</td>
<td>Discovering factors that drive human performance</td>
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<tr>
<td>Business</td>
<td>Understanding enterprises and their impact on society</td>
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<tr>
<td>Education</td>
<td>Exploring factors that underlie academic achievement</td>
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<tr>
<td>Energy</td>
<td>Finding new sources of power</td>
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<tr>
<td>Engineering and Information Technology</td>
<td>Advancing toward a healthy, sustainable future</td>
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<tr>
<td>Environment</td>
<td>Safeguarding our natural resources</td>
</tr>
<tr>
<td>Human Health</td>
<td>Flagging threats and fighting disease</td>
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<tr>
<td>Public Policy</td>
<td>Shaping our governing principles</td>
</tr>
<tr>
<td>Security</td>
<td>Protecting our nation</td>
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Funding opportunities related to WSU priorities and faculty international research interests

United States Department of Agriculture
Foreign Agricultural Service
e.g. Fellowship Program, Borlaug Fellowship Program

United States Department of Agriculture
National Institute for Food and Agriculture
e.g. Basic Research to Enable Agricultural Development (BREAD)

Bill & Melinda Gates Foundation
- Agricultural Development Program

United States Agency for International Development
Insights to international collaborations and agreements

Best Practices – Pre-Award

- Work with faculty and institutional partners
- Bring the team together
- Overall proposal management
- Constant communication and follow through
- Be realistic
- Start early
Insights to international collaborations and agreements

Best Practices - Post Award

• Close monitoring
• Be Flexible
• Communication plan and time lines
• Systems and Processes – internal and external
• Grant vs Cooperative Agreement – level of involvement
Types of International Agreements

- Memorandum of Understanding (MOU)
- Reciprocal Student Exchange Program (RSEP)
- International Undergraduate Articulation Study Abroad Agreement
- Faculty- or Group-led
- International Partnership

- Dual Degree (typically PhD)
- Training or Intern
- English as a Second Language
- Recruitment
- Student/Faculty Exchange
- Others – tailored for specific programming, non-sponsored research programs
Managing International Contracts & Agreements

Ongoing initiatives:

– Established on-line database and tracking – went from paper files to electronic, still improving processes (internal approvals, tracking, timing).

– Established policies and procedures – within IP and at Institutional level, updated policies and procedures and other on-line resources. [http://ip.wsu.edu/IP-research/agreements/home.html](http://ip.wsu.edu/IP-research/agreements/home.html)


– Created a link from our internal database to external agreements list for faculty/staff/partner resource. [http://ip.wsu.edu/ip-research/agreements/list.html](http://ip.wsu.edu/ip-research/agreements/list.html)

– Visual Compliance checks on all partners – export control resource through on line eCustoms portal. [https://www.visualcompliance.com/logon.html](https://www.visualcompliance.com/logon.html)
Developing more sustainable and long-term collaborations

- Level of interest to a wide segment of WSU faculty and students.
- Faculty members or units willing to take responsibility for the successful implementation of the partnership.
- Degree to which opportunities benefit the mission and priorities of the department, college and University.
- Enhancement of comprehensive internationalization at WSU.
- Degree to which the proposed contract creates/provides access to resources, whether US or international human, fiscal or other.
- Degree to which opportunities are provided that are not otherwise available for students, faculty, and programs.
- Adherence to WSU’s academic requirements.
- Ability of the University to meet the obligations, particularly financial obligations, of the agreement.
OECD vs non-OECD countries. 2002-2012.

* Organization for Economic Cooperation and Development
Washington State University
Profiling faculty activities

73% of Manuel’s publications co-authored with international collaborators

WSU-China Connection

Top 10 WSU co-authors, 2008-2012 (Source: SciVal Spotlight)

1. Northwest Agriculture and Forestry University
2. Chinese Academy of Sciences
3. Tsinghua University
4. China Agricultural University
5. Hohai University
6. Peking University
7. Beijing Agricultural University of Chemical Technology
8. Chinese Academy of Agricultural Sciences
9. Jiangnan University
10. Nanjing Agricultural University
Opportunities

1. More networking, sharing of evidence-based practices, shared equipment, interdisciplinary cross-fertilization;
2. More universities focused on international productivity, quality and impact of publications (e.g. NSF-WSU project)
3. More demand for student & faculty exchanges
4. More....
Challenges

1. Collaboration across campuses
2. Requires extra effort, adaptability and commitment
3. Longevity & stability of programming and programming criteria
4. Creating successful, long-term collaborations
5. Streamlining processes
6. Quality vs. Quantity
7. Meeting all the expectations and standards
Survey Questions or Questions for open discussion/ audience participation

- What are your universities doing to promote international collaborations?

- How do you think can international offices can help?

- What are the issues and challenges of promoting international linkages at your institution? In general?

- What institutional initiatives are needed to further promote global partnerships?