Tools for Increasing your university’s Global Research IQ

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Presenters

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• **Kiki Caruson** is the AVP for Research, Innovation, and Global Affairs for the University of South Florida (USF) System
Goals for today’s Session

Culture and language are key obstacles for global research and also key objectives for SIOs. In this session, we explore 3 tools that can help SIOs work more effectively with research active faculty to promote integrated global research and education.
“Take Aways”

SIOs will be better able to...

• Understand the research-related risks and regulatory questions facing research offices when dealing with international research collaboration.

• Integrate competencies of international education, international affairs and culture/language into research projects.
What is driving the globalization of research?

- Global Scale S&T Questions
- Global Increases in S&T Investments
- Increases in Global Mobility (faculty/student)
- Global Connectivity (ICT)
- Global Industry
What are the [realistic] Benefits? ROI?

- Increased Institutional/PI Reputation earned abroad or at home
- Increased Quality of graduate students (sponsored)
- Access to uniquely available research resources
- Globally prepared U.S. students
- “Happier” faculty
- Deeper appreciation for role of culture and language

Increases to Bottom Line for Research of 3-10+%  
(20% of all new awards for UNT in 2015)

Realistically, it DEPENDS on GRIQ!
Depends on the university’s (PI’s) Global Research IQ

- Cultural Differences and Nuances
- Ethics
- Research Integrity and RCR
- Risk Management
- Intellectual Property
- Export Control
- Legal and Contractual Negotiations

http://sites.nationalacademies.org/PGA/guirr/PGA_050827
Today’s Approach

• Individual/Team Faculty Engagement Tool - Nader

• Faculty Research Networks Engagement Tools - Regulska

• System-wide Engagement Tools - Caruson
**GLOBAL-SWOT ANALYSIS**

<table>
<thead>
<tr>
<th>GLOBAL DISCOVERY GRANT</th>
<th>+ CORE ELEMENTS ANALYSIS</th>
<th>+ COUNTRY DESK PERSPECTIVE</th>
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| **INTELLECTUAL MERIT / BI**
  Innovativeness, capacity to carry out, mgt. plan, prelim data and requisite resources collaboration, competition, innovation, integrated inquiry, and assessing value | **LANG/CULT**
  Mutual Contribution | International Affairs
  History/Politics
  Bilateral relations
  International Partnerships |
| **ALIGNMENT**
  university, college, department, Strategic Plans, Research network expansion | **ETHICS**
  **RCR**
  **RES Integrity** | Diversity
  Leadership Training
  Joint Training Capacity Development |
| **FUNDING**
  leverage potential US/worldwide
  Reputation Abroad | **IP or Proprietary**
  Export Control
  Legal/Contractual | Student preparation
  International Education
  International Mentoring |
| **PARTNER(S) Attributes**
  (mutual contribution, unique position, priority, value add facilities, infrastructure, talent) | **RISK Mgt.**
  Health & Safety
  Unintended Consequences | Educational/Research Environment
  Best Practices/Standards |
When and How GSWOT can be used

• **When**
  - Working with individuals or groups of faculty preparing Intl research project ideas
  - When VPR is reviewing [international] intramural funding requests
  - “Post-mortem” on intramural or extramural proposals
  - Portfolio Analysis of international intramural or extramural projects

• **How**
  - As a prevention tool, One-on-one with faculty SIO and “team”
  - As a guideline during review in concert with a broad set of SIO, AVPRs & faculty
  - As an audit tool for recent failed or funded submissions
  - As a risk assessment tool to map international S/W/O/T
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Global Discovery Grant
Joint offering VPR/SIO
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<th>TITLE</th>
<th>Strengths</th>
<th>Weaknesses</th>
<th>Opportunities</th>
<th>Threats</th>
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IM/BI (innovativeness, capacity to carry out, mgt plan, prelim data and requisite resources) collaboration, competition, innovation, integrated inquiry, and assessing value

Global SWOT Analysis
Or “COWS”
|   | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V |
| **ALIGNMENT (UNIV)** | college, department, Strategic plan, research network and International Affairs and bilateral relations |
| **FUNDING leverage potential (USGlobal) including students, reputational value** |
| **PARTNER Attributes** | mutual contribution, uniquely positioned, priority, infrastructure |

Global SWOT Analysis

Or “COWS”
### Global SWOT Analysis Report

#### Global SWOT Analysis

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Scored or Benchmarked...
Faculty Research Networks Engagement Tools

Joanna Regulska
Vice Provost and Associate Chancellor, Global Affairs
Professor of Gender, Sexuality and Women’s Studies
University of California, Davis

Email: jregulska@ucdavis.edu
Faculty Research Networks Engagement Tools

- UC Davis Global Affairs Overview
- International Research Partnerships and Funding Sources
- Faculty Engagement Strategies
- Communicating and Celebrating Successes
UC Davis Global Affairs Fast Facts

Over 6,200 international students from more than 110 countries

More than 1,300 students studying abroad each year in over 30 countries

Over 2,200 international scholars

150 international partnerships across 45 countries

Global Affairs seed grants have led to around $40 million in external research funding
Increased impact of collaboration with international partners

Outputs in Top Percentiles
Publications in top 10% most cited worldwide

- University of California at Davis: 25.4%
- United States: 18.3%

→ Analyze in more detail

Publications in Top Journal Percentiles
Publications in top 10% journals by SNIP

- University of California at Davis: 30.0%
- United States: 27.3%

→ Analyze in more detail

International Collaboration
Publications co-authored with Institutions in other countries

- University of California at Davis: 38.2%
- United States: 30.6%

→ Analyze in more detail

Academic-Corporate Collaboration
Publications with both academic and corporate affiliations

- University of California at Davis: 3.1%
- United States: 3.0%

→ Analyze in more detail

2011-2016 Performance Indicators
UC Davis International Research Partnerships

- UC-MEXICO
- University of Sydney, Australia
- US-UK Plant Health Workshop
- University College Dublin
- Israel Collaborations in Research
UC Davis International Funding Sources

Breakdown of Funding (2016-17)

- Total: $783M

Top Current Foreign Sponsors

- United Kingdom
- Japan
- Australia
- Netherlands
UC Davis Faculty Engagement Strategy

Inform

Engage

Support
Faculty Engagement Strategy: Inform

- **Funding** announcements, meetings, training
- **Relationships**: country and regional fact sheets
- **Outreach** to deans, faculty and departments
- **Tips and resources**: travel and risk

- 30,000 trips annually
- Around 1,500 UC Davis travelers (at any given time)
- 50-100 travelers in high-risk countries (at any given time)
Faculty Engagement Strategy: Engage

- Chancellor’s Awards for International Engagement
- Faculty Ambassador Program
- Engaging faculty in hosting international delegations
- Inviting faculty abroad with official delegations
- International Connections Reception
Faculty Engagement Strategy: Support

- **Funding:**
  - Workshops with foundations and agencies
  - Grants for Regional Faculty Groups
  - Seed Grants for International Activities
- **Agreements of Cooperation**
- **International Scholars**
- **Alan Alda “Communicating Your Science” Workshops**
- **Global Centers (future support)**
Communicating and Celebrating Successes

- Receptions and awards ceremonies
- Publications, news stories, videos, and social media
- New website to promote opportunities and showcase success stories
A Global Research University Dedicated to Student Success

STRENGTHS: A Lot of Enthusiasm and A Lot of International Activity
#1 Nationally for Fulbright Faculty Scholars
International Partnerships with Joint Funding for Research
More than 700 Globally Active Researchers
Seed Grants to Catalyze International Collaboration
International Opportunities for Undergraduate Research

WEAKNESS: Lack of an Institution-Wide Global Research Support System

OPPORTUNITY: Create a Nimble Global Research Support Operation

THREAT: Limited Budget and Resources
Who Is Doing What and Where?

PROFESSIONAL ENGAGEMENT SNAPSHOT

113 people with 17064 activities in 233 locations.

SEARCH PARTNERSHIPS

251 partnerships with 223 partners in 60 countries.
What Units are Involved?
HOW OTHER UNIVERSITIES HAVE ORGANIZED A GLOBAL SUPPORT FUNCTION

• Global Steering Committee (policy-oriented)
• International Operations Working Group (implementation-oriented)
• Global Support Services department / unit (staffed with FTEs)
• Faculty and staff guides/handbook about managing international activity
• Appointment of a Global Compliance Officer or Administrator (with resources)
• Internal and external training
• Built-in flags (HR system, pre-award system)
• Software improvements (program tracking)
• Outside expertise
Society of Research Administrators International (SRA-I)
Inaugural “Big Ideas” Winner 2016
Online Global Research Toolkit
An Online Resource for the University Community

Managing the Start-Up Process

Nothing is more frustrating than receiving funding and later discovering that something in your project was not taken into account that now threatens its sustainability. Find resources here to assist in preventing roadblocks and navigating them successfully when they do occur.

Communication, Culture, and Ethics

Communication, culture, and ethics should all take center stage when working on an international collaboration. Not only do you need to be able to communicate effectively with your project researcher, but you should also be able to communicate with other administrators on the project as well as carry realistic expectations on project progress.

Human Resources, Payroll, and Taxes (Labor and Tax Laws)

Many global research activities involve faculty, students, and/or staff working for various periods of time in the country of project operation. Some initiatives may involve transferring an employee abroad or relocating an employee for an extended period of time outside his or her home country. Still others may also necessitate hiring foreign nationals to work in their home countries in support of the project and/or hiring foreign nationals to work in the U.S. These issues can all present a range of legal, financial, risk management, and logistical considerations that can create complications and add expenses. Explore some of these issues and charts to help navigate the complexity in this section.

Intellectual Property and Commercialization

Intellectual property and commercialization are two issues that are especially salient at the international level—especially when industry partners are involved. They are a central issue in international research collaborations and should be addressed by a legal professional at the earliest chance in a burgeoning project.
Connecting Beyond “Research” and “International”
Welcome to the USF Global Operations Network Kick-Off Event

Your Hosts:

KIKI CARUSON, AVP for Research, Innovation and Global Affairs, USF World

JENNIFER CONDON, AVP and Controller, USF Business and Finance

REBECCA PUIG, Senior AVP, Research & Innovation

TERRY CHISHOLM, Vice Provost for Strategic Planning, Performance, & Accountability

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