

International Ranking & Institutional Research



Yang Zhang, Director of Institutional Research, University of Hawaii at Mānoa

Diana Bitting, representing the Thomson Reuters Profiles Project

Baerbel Eckelmann, representing QS World University Ranking

Tom Andrews, representing Times Higher Education World University Rankings

Bob Morse, representing U.S. News Best Global Universities Rankings

Ying Cheng, representing Shanghai Jiao Tong Academic World University Ranking

Frans van Vught, representing U-Multirank

Panel Discussion Preview

- Perspectives from Major International Rankings
 - Diana Bitting, representing the Thomson Reuters Profiles Project
 - Baerbel Eckelmann, representing QS World University Ranking
 - Tom Andrews, representing Times Higher Education World University Rankings
 - Bob Morse, representing U.S. News Best Global Universities Rankings
 - *Ying Cheng, representing Academic World University Ranking*
 - *Frans van Vught, representing U-Multirank*
- Perspective of Institutional Research
 - Case Study at the University of Hawai'i at Manoa

Perspectives from International Rankings (Handout)

- Brief Introduction of Each Ranking
 - How Rankings Were Created
 - Uniqueness of Each Ranking
 - Data Collection (In What Ways is Institutional Research involved?)
 - Timeline (Data Collection and Ranking Release)
- Recommendations for Using International Rankings
- What Strategies can Universities Use to Maintain or Improve Their Ranking?



Global Institutional Profiles Project

Diana Bitting,
Team Lead,
Institutional Data Collection

Institutional Profiles and U.S. News Best Global Ranking



- The Thomson Reuters global *Institutional Profiles* project is an initiative to collect factual data about academic institutions in all regions for the purposes of creating informative profiles of their activities.
- The objective is to profile more than 1,000 of the leading academic institutions around the world.

Thomson Reuters Profiles Project

Academic Reputation Survey Data
run annually April-May

Institution Supplied Data
collected annually April-May

Bibliometric Data
sourced from Thomson Reuters
Web of Science™



InCites™
Calibrate Your Strategic Research Vision



Thomson Reuters Profiles Project

- Academic Reputation Survey
 - Conducted by 3rd party market research and survey specialist, IPSOS, and fielded annually during the spring
 - anonymous invitations to 350,000+ researchers and academics
 - carefully selected addresses, balanced to account for varying regional and subject level strength
- Institutional Data Collection
 - run annually during the spring, typically April-May
 - via a dedicated data collection portal
- Bibliometric Data – sourced from Thomson Reuters Web of Science TM research discovery and analytics tool



QS World University Rankings

Baerbel Eckelmann,
Research Manager,
QS Intelligence Unit

To enable

MOTIVATED
PEOPLE

around the



to achieve their

POTENTIAL

by fostering

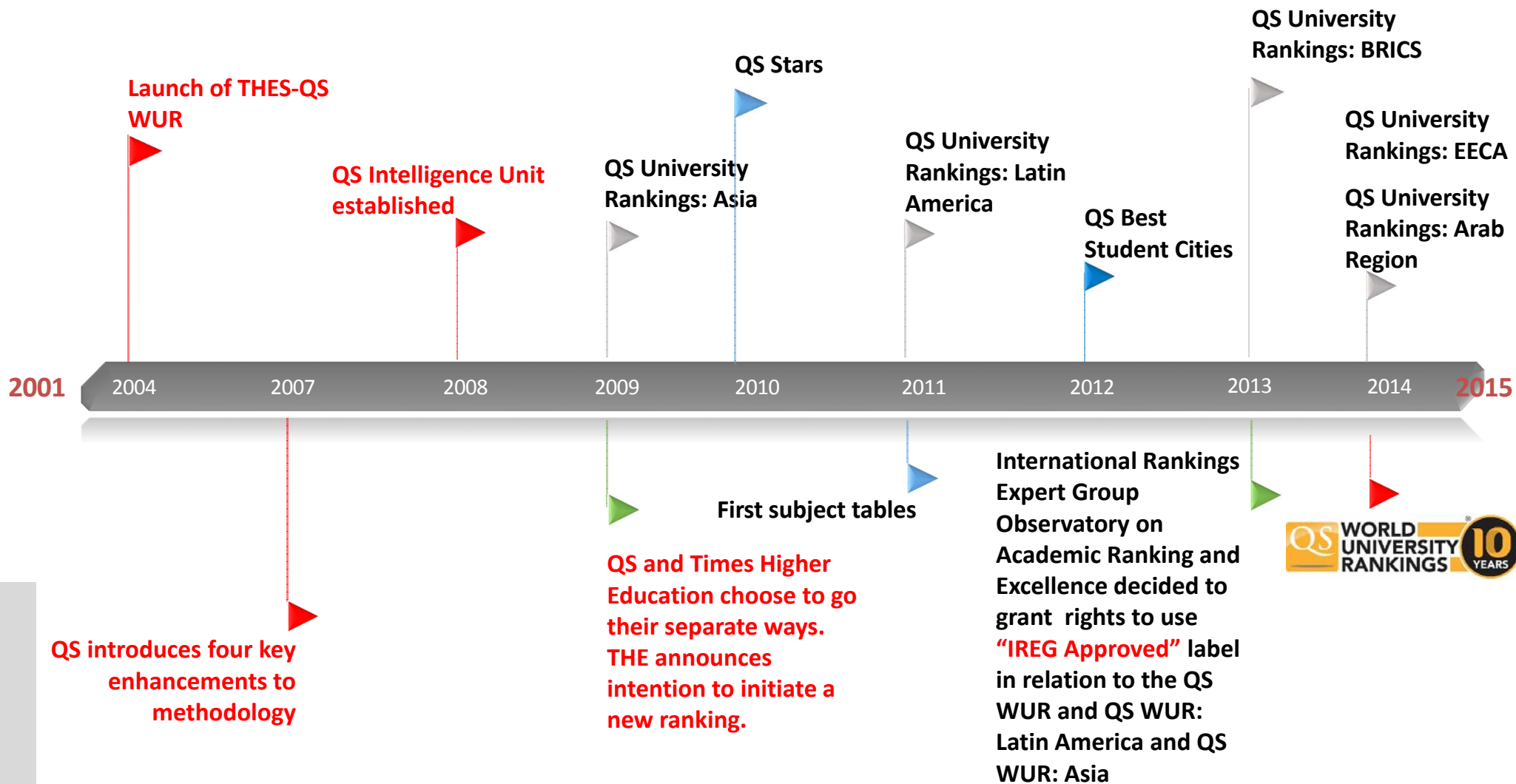
INTERNATIONAL
MOBILITY



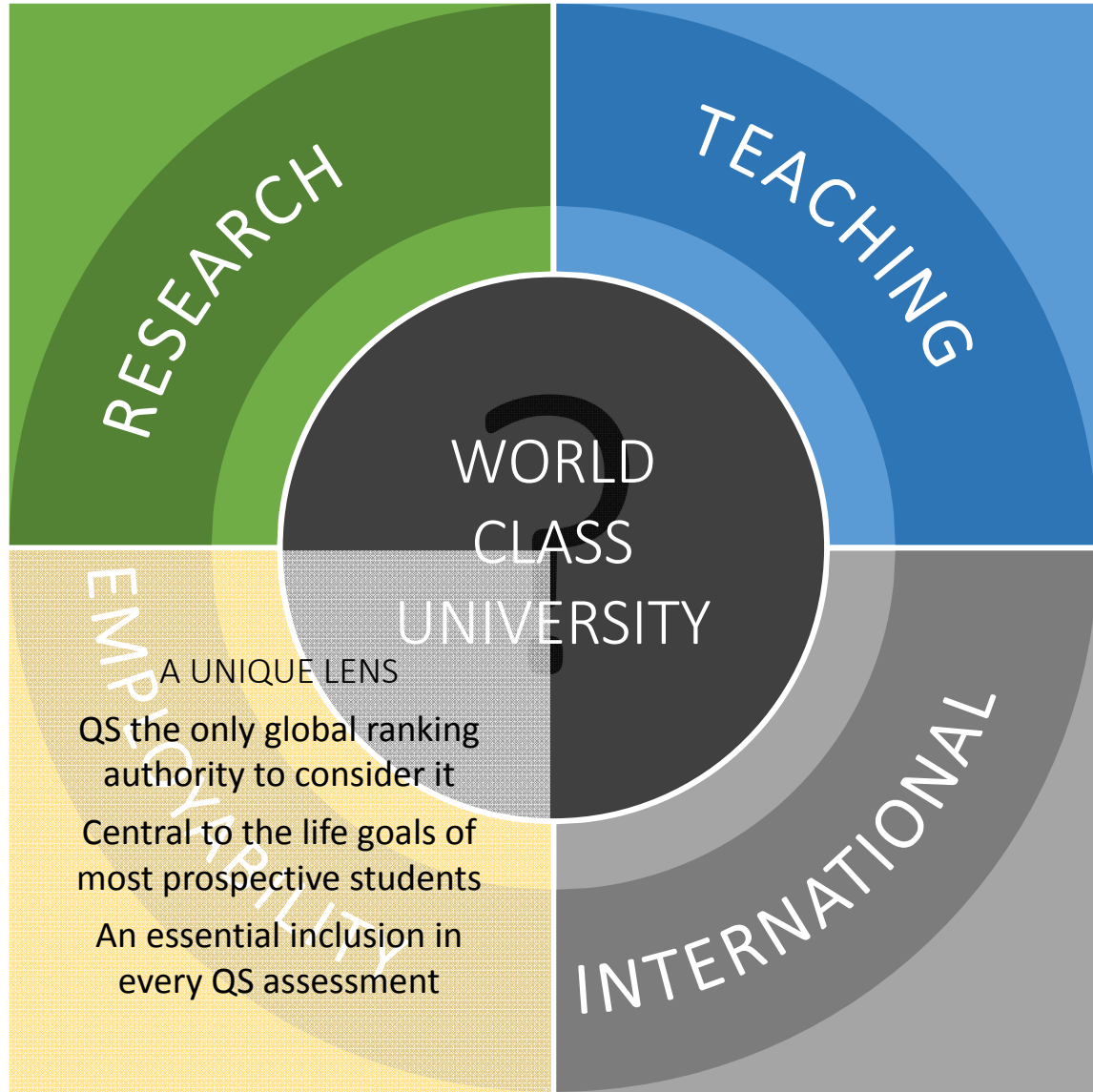
EDUCATIONAL
ACHIEVEMENT

and

CAREER DEVELOPMENT

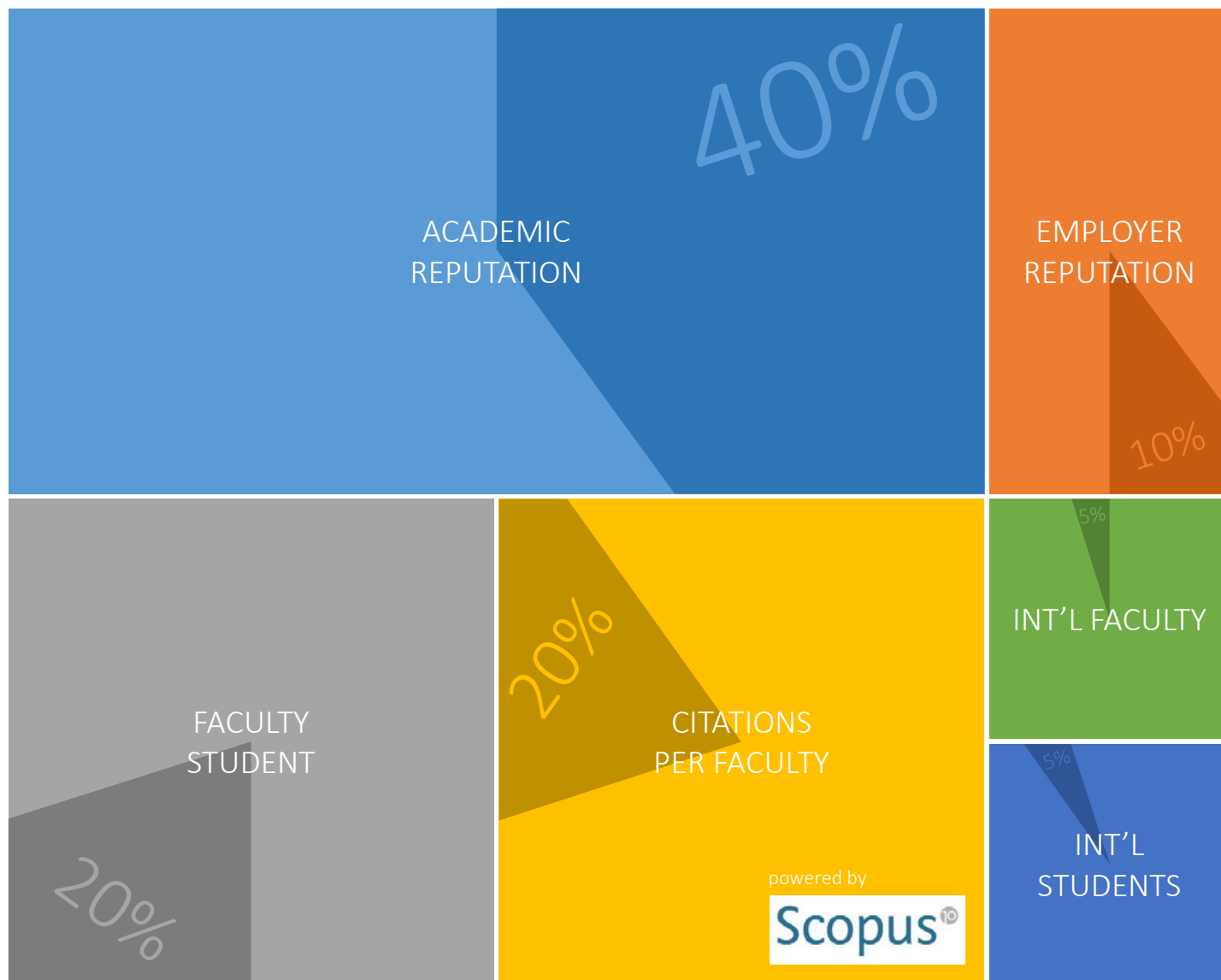


Our Approach





- Consistent, simple methodology
- Stable results
- Discipline independent
- Language independent
- Low dependence on self-reporting





QS UNIVERSITY FULL NAME [700] ▾



ENGLISH ▾

Clients

Dashboard

Profiles

Statistics

Contacts

Messages

QS Tap

Contacts

+ CREATE NEW CONTACT/USER

COPY



EXCEL



Full name	Position	Email	Contact types
<input type="text" value="Search Full name"/>	<input type="text" value="Search Position"/>	<input type="text" value="Search Email"/>	
Baerbel Eckelmann	Director, Institutional Research	qs@qs.com	Research(primary), Admissions, WGST Outreach,



NOVEMBER

Invitation to supply
academic and
employer contact
detail lists

FEBRUARY

Data submission
request

JULY

Data submission cut-
off

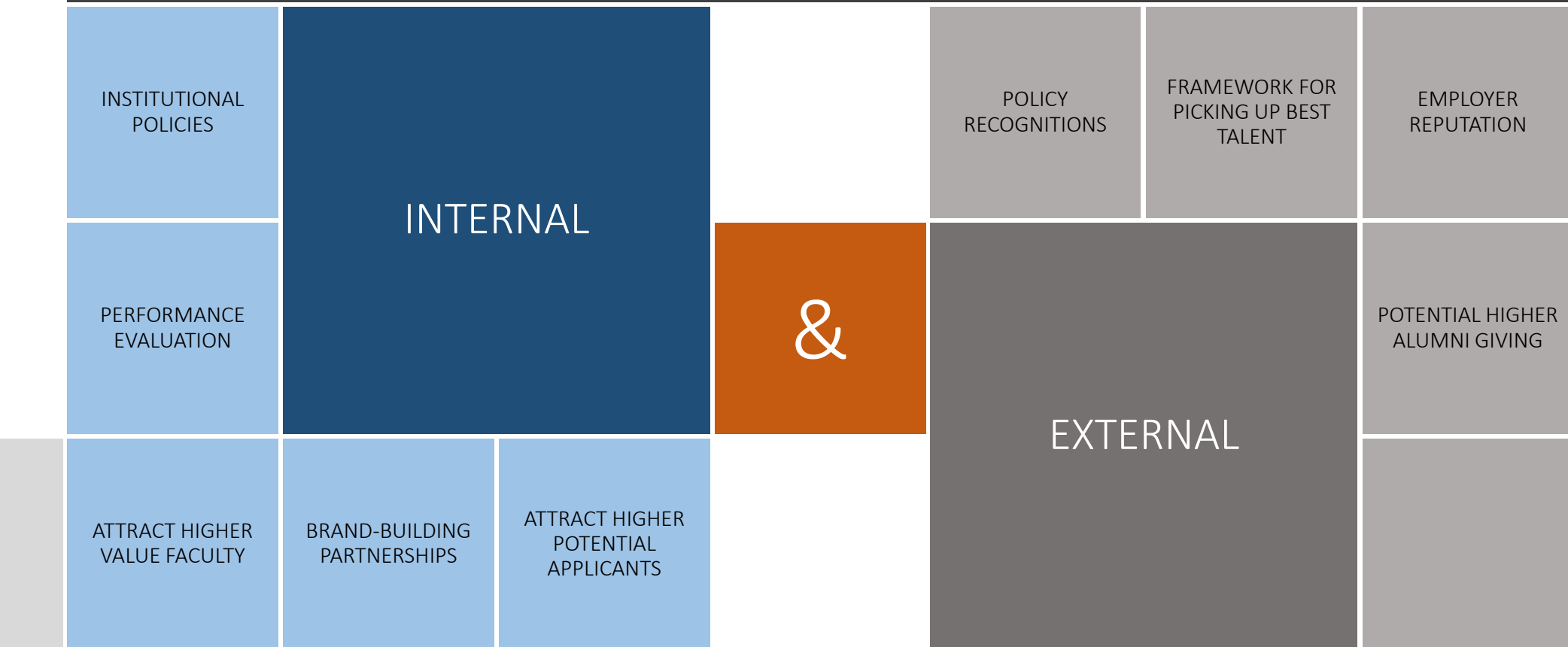
AUGUST

Data analysis

SEPTEMBER

QS WUR
launch

How do put a value on rankings?



GOVERNANCE

FOCUS

BRANDING

COLLABORATION

PATIENCE

Strategies to maintain or improve rank position



Times Higher Education World University Rankings

Tom Andrews,
Data Director,
Times Higher Education



Times Higher Education announces reforms to its World University Rankings



Times Higher Education today announces a series of important changes to its flagship *THE* World University Rankings and its suite of global university performance analyses, following a strategic review by *THE* parent company TES Global.

The methodology of the global rankings will be broadly preserved and the rankings will continue to use the most comprehensive and balanced performance indicators to evaluate universities across all of their core missions, including research, knowledge transfer, international outlook and – uniquely – the teaching environment. But a series of structural changes will ensure that the *THE* rankings continue to lead the field for rigour, responsiveness and transparency and provide an ever richer picture of the global higher education and research landscape.



Submit now
to be part of the
World University Rankings

SurveyMonkey.com/s/WURdata

Hurry, the rankings are closing soon



U.S. News Best Global Universities Rankings

Bob Morse,
Chief Data Strategist,
U.S. News & World Report

- Inaugural U.S. News Best Global Universities rankings launched on usnews.com on October 28, 2014.
- The Best Global Universities rankings are powered by data from Thomson Reuters InCites™ research analytics solutions.



The screenshot shows the US News Education website. The header includes the US News logo and navigation links for Home, Colleges, Grad Schools, High Schools, Online Programs, Community Colleges, and Global Universities. A search bar is present with fields for 'School name' and 'Country'. Below the header, there's a banner for 'LIVE FEARLESS' with a 'LEARN MORE' button. The main content area is titled 'Best Global Universities' and includes a description: 'The U.S. News rankings, based on schools' academic research and reputation, allow students to compare universities around the world.' It also features a 'See the Global Universities Rankings »' link and a search bar for 'Search Global Universities' with 'School name' and 'Country' fields. Below this, there's a 'Regional Rankings' section with buttons for Asia, Australia/New Zealand, Europe, and Latin America. The 'Country Rankings' section lists countries with their flags: Canada, China, France, Germany, Italy, Japan, Netherlands, South Korea, Spain, Sweden, and United Kingdom. An advertisement for 'LIVE FEARLESS' is visible on the right side.

- Weights and ranking factors were developed by U.S. News
- Methodology focused on institution's research performance using 10 factors: global and regional reputation, bibliometric indicators and school level data

Best Global Universities rankings include:

- Top 500 Universities worldwide in 49 countries
- Four regional rankings - Asia, Australia/New Zealand, Europe and Latin America
- 11 country rankings – of the top institutions in: Canada, China, France, Germany, Italy, Japan, the Netherlands, South Korea, Spain, Sweden and the United Kingdom
- Top 100 universities in 21 subjects in such key fields as chemistry, clinical medicine, computer science, economics and business, engineering, environment/ecology, mathematics and physics.

The 10 ranking factors and weights used in overall Best Global Universities rankings.

Ranking indicator	Weight
Global research reputation	12.5%
Regional research reputation	12.5%
Publications	12.5%
Normalized citation impact	10%
Total citations	10%
Number of highly cited papers	12.5%
Percentage of highly cited papers	10%
International collaboration	10%
Number of Ph.D.s awarded	5%
Number of Ph.D.s awarded per academic staff member	5%

Best Global Universities -The Top 20

2015 Best Global Top 500 Universities			
Name	Country	Region	Overall Rank
Harvard University	United States	North America	1
Massachusetts Institute of Technology	United States	North America	2
University of California--Berkeley	United States	North America	3
Stanford University	United States	North America	4
University of Oxford	United Kingdom	Europe	5
University of Cambridge	United Kingdom	Europe	6
California Institute of Technology	United States	North America	7
University of California--Los Angeles	United States	North America	8
University of Chicago	United States	North America	9
Columbia University	United States	North America	10
Johns Hopkins University	United States	North America	11
Imperial College London	United Kingdom	Europe	12
Princeton University	United States	North America	13
University of Michigan	United States	North America	14
University of Toronto	Canada	North America	14
University of Washington	United States	North America	14
Yale University	United States	North America	17
University of California--San Diego	United States	North America	18
University of Pennsylvania	United States	North America	19
Duke University	United States	North America	20

Top 11 countries account for 77 percent of the Top 500

2015 Best Global Universities Rankings Country Counts		
Country	Number of universities in top 500	Percent of universities in top 500
U.S.	134	26.8%
Germany	42	8.4%
United Kingdom	38	7.6%
China	27	5.4%
Italy	23	4.6%
France	22	4.4%
Australia	19	3.8%
Canada	19	3.8%
Japan	17	3.4%
Netherlands	13	2.6%
Spain	12	2.4%
South Korea	11	2.2%
Sweden	10	2.0%

Methodology used to rank the 21 Subjects: The soft sciences are computer science; economics and business; engineering; and social sciences and public health in addition to math; all others are hard sciences.

Ranking indicator	Weights used for soft sciences	Weights used for hard sciences
Global research reputation	12.5%	12.5%
Regional research reputation	12.5%	12.5%
Publications	17.5%	15%
Normalized citation impact	7.5%	10%
Total citations	12.5%	15%
Number of highly cited papers	17.5%	15%
Percentage of highly cited papers	10%	10%
International collaboration	10%	10%

Top Countries in 21 Subject Rankings

2015 Country Counts for Best Global Universities Subject Rankings		
Country	Number of Schools Ranked in Subjects	Percent of Schools Ranked in Subjects
United States	838	39.90%
United Kingdom	204	9.71%
China	110	5.24%
Germany	108	5.14%
Canada	90	4.29%
Netherlands	88	4.19%
Australia	84	4.00%
France	69	3.29%
Japan	67	3.19%
Switzerland	62	2.95%
Sweden	46	2.19%
Spain	37	1.76%
Hong Kong	35	1.67%
Italy	31	1.48%
South Korea	31	1.48%
Belgium	27	1.29%
Denmark	27	1.29%
Taiwan	22	1.05%
Singapore	20	0.95%
Israel	17	0.81%



Academic Ranking of World Universities (ARWU)

Ying Cheng,
Executive Director,
Center for World-Class Universities,
Shanghai Jiao Tong University

Academic Ranking of World Universities (ARWU) by Shanghai Jiao Tong University

- ARWU was first published in **2003**, by the Center for World-Class Universities (CWCU) of Shanghai Jiao Tong University.
- All the data used in ARWU is from third parties and publicly available, **ARWU does not use data directly from universities.**
- ARWU does not use data from universities. However, CWCU started a project called “Global Research University Profiles (**GRUP**)” in 2011. Through GRUP project, universities are asked to report data on their staff, students and finances.
- ARWU usually is published on **August 15th**.
- GRUP survey usually open for data submission during **March to May**.



U-Multirank

Frans van Vught,
the Center for Higher Education Policy Studies (CHEPS),
Netherlands

U-Multirank

- U-Multirank is prepared with seed funding from the **European Union** and led by a consortium headed by Professor Dr. Frans van Vught of the Center for Higher Education Policy Studies (CHEPS) in the Netherlands and Professor Dr. Frank Ziegele of the Centre for Higher Education (CHE) in Germany.
- U-Multirank is a new **multi-dimensional, user-driven approach** to international ranking of higher education institutions. The dimensions it includes are teaching and learning, research, knowledge transfer, international orientation and regional engagement.



Interview:

<https://www.youtube.com/watch?v=ZmqXmhGpnQA>

Why We Care about International Rankings?

- Recruit Students and Talent **Globally**
- **Global** Employment Market
- Expanding Institutional and Program Level Collaboration **Globally**
- University Community Engagement

Keywords: Marketing and Promotion

Perspectives from Institutional Research

- Campus Stakeholders
 - Chancellor and Vice Chancellors
 - Enrollment and Planning / Admission
 - Deans and Chairs
 - Communication/Advancement
 - General Public / Media / Legislature
- Data Preparation
 - Difference in Data Preparation
 - Automate the Data Preparation Process
- Communication and Trainings
 - IR Website
 - Campus-wide Trainings
 - Communication Strategies



IR Strategy 1: Focus on Specific Rankings

Balance Capacity and Importance:

From the “Ranking Laundry List” to Six Major Rankings



IR Strategy 2: Rank the Rankings

- Legitimacy of Ranking Organizations
- Influence of Rankings
(Media Coverage: an audience is truly global)
- Ranking Methodology
- How Well are We Ranked?



Ranking Page on the IR Office Website at University of Hawai'i at Mānoa



MĀNOA INSTITUTIONAL RESEARCH OFFICE

Rankings

UH Mānoa is ranked by a variety of organizations that each develops its own methodology. MIRO collects information on how Mānoa is ranked internationally and nationally, as well as rankings about colleges or programs. Because there is no one ranking that can accurately and thoroughly describe Mānoa or its programs, the different perspectives reflected by these rankings help to draw a picture of the excellence of the university. For questions about ranking methodologies, please contact the organizations that publish the rankings directly. To provide information about new rankings, please contact us by e-mail. The University of Hawai'i at Mānoa is ranked by the following international and national ranking organizations:



Shanghai Jiao Tong University Academic Ranking of World Universities

NTU Ranking

TIMES World University Rankings/Global Institutional Profiles Project

QS World University Ranking

U-Multirank

U.S. News

U.S. News Best Grad Schools Rankings (2015) *(Released on March 10, 2015)*

- Graduate College of Education: **76**
- Graduate School of Law: **82**
- Graduate College of Library and Information Sciences: **27**
- Graduate School of Medicine—Primary Care: **19**

Provide Sufficient and Relevant Ranking Information

Shanghai Jiao Tong University Academic Ranking of World Universities

Academic Ranking of World Universities (ARWU) by Shanghai Jiao Tong University (2014)

The Academic Ranking of World Universities (ARWU) is released by Shanghai Jiao Tong University, also known as Shanghai Ranking. This ranking uses six indicators to rank world universities. Each year more than 1200 universities are ranked and the best 500 are published. For more information, please click [here](#).

- UHM Overall Ranking in the World: **151-200**
- UHM Overall Ranking in U.S.: **65-77**
- Sciences: **76-100**
- Social Sciences: **101-150**
- Physics: **44**
- Economics/Business: **151-200**

Note: Rankings appear as a range when no more specific information is available.

[ARWU Methodology](#)



UH MĀNOA IS CONSISTENTLY RANKED AMONG THE BEST NATIONAL AND INTERNATIONAL UNIVERSITIES



Ranking	In the world	In U.S.
Academic Ranking of World Universities (Shanghai Jiao Tong University)	151-200	73
NTU Ranking (Taiwan)	203	80
TIMES World University Rankings/Global Institutional Profiles Project (UK)	251-275	81
QS World University Ranking (UK)	324	68
U.S. News Global Universities (US)	321	107

Prestigious International Ranking

IR Strategy 3: Encourage Academic Units to Develop Effective Communication Strategies

- Keep Close Track of Rankings
 - Timely and Accurate Ranking Information on MIRO Website's Ranking Page: <http://manoa.hawaii.edu/miro/rankings/>
- Collaborate with the Communications Office
- Promote through Your Own Venues
 - College and Department Website
 - Student or Alumni Newsletters
 - Recruitment Efforts

IR Strategy 4: Institutional Level Practical Approaches towards Rankings

- Be Aware of the Importance of Rankings, Especially the International Rankings. Keep Close Track of Rankings and Make the Best Use of Them.
- Be Aware of the increasingly large quantity of National or International Rankings. Each Ranking has Unique Purposes and Methodologies. It is Recommended to Talk About Our University's Performance in Various Rankings, Rather than Focusing on Changes in One Specific Ranking.
- Be Aware of the "Rankings Game." Our Institution Establishes Strategic Directions and Metrics Based on the Needs of the State. Rankings are not Our University's Priority.
- Notify the IR Office What Should or Should Not be Put on the Ranking Page.

Recommendations for Institutional Researchers

- Gain Better Understanding about International Rankings
- Review and Compare Data Preparation Methods
- Develop Appropriate Ranking Communication Strategies
- Want to Know More about International Ranking?
 - International Ranking Expert Group (IREG) Observatory
 - Ranking Websites
 - Ranking Conferences

Upcoming Ranking Conferences

- IREG Forum: Subject and Discipline Related Rankings
--6/11-12, 2015; Aalborg, Denmark
- Time Higher Education World Rankings Released in Melbourne, October, 2015
- Shanghai Jiao Tong Ranking: World Class University Conference
--11/1-4, 2015; Shanghai, China
- QS-APPLE: November, 2015; Melbourne
- QS Reimagine Education Conference: 12/7-9; Philadelphia