

7th Session : Quality and Rankings in Higher Education : Mutual Reinforcement

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20 April, Taipei, Taiwan

Outline of Presentation

- Role of QA Agencies in developing Ranking
- Use of Ranking for Strategic Plan and Positioning
- HEEACT Ranking –College Navigator in Taiwan
- Conclusion

Global Landscape of QA systems

- nearly 90 % of the governments in Europe and the Asian Pacific region have successfully developed a national quality assurance system.
- Some accrediting agencies were expected to assist governments to promote academic excellence and international competitiveness of higher education
- several quality assurance organizations and networks have begun to pay more attention to the impact of rankings on higher education
 - International Network for Quality Assurance Agencies in Higher Education (INQAAHE) 2011
 - Asia Pacific Quality Network (APQN)2011
 - Council For Higher Education Accreditation (CHEA)2010

Comparing the roles of Accrediting Agencies and Rankers

	Accrediting Bodies	Rankers
Agency	Governmental or non governmental/	Media/ institutions/ governmental units
Approach	Fitness for purpose Self study/ On-site visit / peer assessment	Comparison by a number of predetermined indicators
Type of Data	Qualitative	Qualitative and Quantitative
Nature	Voluntary/ compulsory	Compulsory
Outcome presentation	Descriptive and qualitative report	Simple and sequentially numbered ranked
Purpose	Self –enhancement	Academic competition and provide public with information

QA agency as a ranker

- Advantages
 - A higher acceptance within universities
 - fairness and objectivity
- Disadvantages
 - conflicts between ranking and consulting in the context of QA.

HEEACT as Ranker?

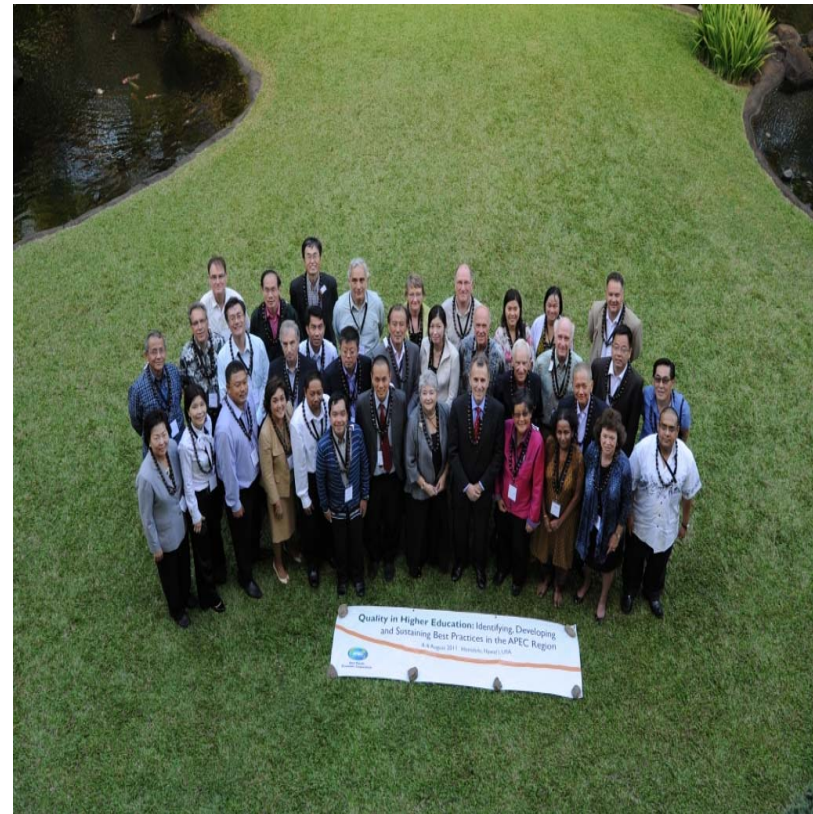
- HEEACT is a QA agency, a quality assessor
- Develop quality standards for program and institutional accreditation focus on learning outcomes since 2010
 - Standard 1: Goals, core features and class design
 - Standard 2: Teaching teaching and learning evaluation
 - Standard 3: Student guidance and learning resources
 - Standard 4: Academic and Professional Performance
 - Standard 4: Alumni Performance and Self-Improvement Mechanism
- HEEACT Published rankings in 2007
 - “Statistical Analysis on Taiwan WOS Papers”, “Statistical Analysis on Taiwan ESI Papers and h(m) Indicators,”, “Analysis on Patents by Universities and Colleges in Taiwan,” and “Performance Assessment on University and Industry Collaborations.”, “Performance Ranking of Scientific Paper of World Universities,” in 2007 , “College Navigator” in 2009

Criticism

- Several social sciences and humanities colleges severely challenged the legitimacy of HEEACT as a ranker when it claimed the accreditation model aims at assisting the institutions to enhance their overall quality of education, not comparing them based on a set of research criteria and indicators.

Roles for QA Agencies
By WSAC' President, Ralph A. Wolff
at the APEC meeting

- Regulation
- Basic Quality Assurance
- Quality Improvement
- Capacity Developer
- Convener
- Futures Thinker



College Navigator in Taiwan

- Developed by Higher Education Evaluation & Accreditation Council of Taiwan in 2009
- Provide transparent information for students
- Two types of universities
 - Comprehensive and technology University
- Berlin Principles



Model of Criteria

Criteria	academic survey, student quality, faculty resources , library acquisitions, research grant, research output, teaching quality , learning output, international outlook etc.	11
Indicator	enrollment rate, proportion of graduate students, graduation rate, proportion of faculty members above assistant professors, proportion of professors with a highest degree, proportion of full-time faculty, faculty-student ratio, total expenditure per student, number of articles published in SCI/ SSCI/ AHCI and EI per faculty, National Science Foundation grants per faculty, proportion of international students, proportion of international faculty, library expenditure per student, number of patents awarded per faculty, employment rate, etc.	24
Preference	location, size, type, program/ discipline, etc.	5

College Navigator in Taiwan- Home

[\[Chinese \]](#)

**College Navigator in Taiwan**

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**Higher Education Evaluation & Accreditation Council of Taiwan**

**Research Team Graduate Institute of Applied Statistics Fu Jen Catholic University**

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PERSONALIZE YOUR RANKING

**Latest News**

2009.10.21
HEEACT releases "College Navigator in Taiwan"

2009.10.15
US News and World Report: 2009 World's Best Colleges and Universities

2009.09.18
THE - QS: 2009 University Rankings

College Navigator in Taiwan- Step 1: Indicators

The screenshot displays the 'College Navigator in Taiwan' website interface. The top navigation bar includes a home icon, the site title, and a language selector set to 'Chinese'. A sidebar on the left contains links for Introduction, Criteria & Indicators, Statistics, Users' Manual, FAQ, About Us, and Links. The main content area features a four-step process diagram: Step 1 (Indicators), Step 2 (Weighting), Step 3 (Preference), and Step 4 (Result). Below this, a section titled 'Choosing Indicators (at least 3 and up to 10 at a time)' shows a 'SURVEY' section with 'Peer assessment' and 'Academic survey' options. The 'DATABASE' section lists various indicators with checkboxes and detail icons. A blue box highlights the 'Step 1: Choose the indicators' step, with an arrow pointing to the 'DATABASE' section. The right sidebar shows 'Online Users' (6), a 'PERSONALIZE YOUR RANKING' button, and 'Latest News' with three entries dated 2009.10.21, 2009.10.15, and 2009.09.18.

College Navigator in Taiwan

Introduction
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Higher Education Evaluation & Applied Statistics
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College Navigator

Step 1 Step 2 Step 3 Step 4
Indicators Weighting Preference Result

Choosing Indicators (at least 3 and up to 10 at a time)

Step 1: Choose the indicators

SURVEY

Peer assessment ☐ **Academic survey** ☒

DATABASE

Category	Indicator	Selected	Detail
Student selectivity	Enrollment rate	<input checked="" type="checkbox"/>	
	Number of national academic awards by students	<input type="checkbox"/>	
Student demographics	Proportion of graduate students	<input type="checkbox"/>	
	Faculty-student ratio	<input checked="" type="checkbox"/>	
Teaching quality	Proportion of full-time faculty	<input type="checkbox"/>	
	Proportion of professors with Ph.D.	<input checked="" type="checkbox"/>	
	Proportion of faculty above assistant professor	<input type="checkbox"/>	
Faculty resources	National Academy membership	<input type="checkbox"/>	
	Number of articles published in SCI per faculty	<input checked="" type="checkbox"/>	
Research output	Number of articles published in SSCI per faculty	<input type="checkbox"/>	
	Number of articles published in AHCI per faculty	<input type="checkbox"/>	
	Number of citation per faculty	<input type="checkbox"/>	
	Total NSC grants per faculty	<input type="checkbox"/>	
Research grants	Total NSC grants in Sciences per faculty	<input type="checkbox"/>	
	Total NSC grants in Social Sciences	<input type="checkbox"/>	
	NSC projects per faculty	<input type="checkbox"/>	
	NSC projects in Sciences per faculty	<input type="checkbox"/>	
	NSC projects in Social Sciences per faculty	<input type="checkbox"/>	
Library	Total holdings per student	<input type="checkbox"/>	

Online Users 6

PERSONALIZE YOUR RANKING

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College Navigator in Taiwan- Step 2: Weighting

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College Navigator

Step 1 Indicators → Step 2 Weighting → Step 3 Preference → Step 4 Result

Assign a weight to each indicator(at least 10%), so that the total will add up to 100 percent.

Enrollment rate	20	
Faculty-student ratio	20	
Proportion of professors with Ph.D.	20	%
SCI	40	%
Total	100	%

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Online Users
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PERSONALIZE YOUR RANKING

Latest News

Step 2: Give each indicator a weight

College Navigator in Taiwan- Step 4: Result



- : Top Group (green upward arrow, the indicator is in the top 30% of all institutions)
 : Middle Group (yellow rightward arrow, the indicator is between 31% and 69% of all institutions)
 : Final Group (pink downward arrow, the indicator is in the bottom 30% of all institutions)
 : Unranked Group (data are not found in the third parties)

The indicators you choose

Our system will analyze the rank of the universities according to the indicators and weights you decide

Rank	Institution	Enrollment rate	Faculty-student ratio	Proportion of professors with Ph.D.	SCI
1	Chang Jung University	→	↑	↓	↑
2	Yuan Ze University	↑	↓	↑	↑
3	Tatung University	↑	→	↓	↑
4	Chung Yuan Christian University	↑	↓	→	↑
5	Tamkang University	→	↓	→	→
6	Fu Jen Catholic University	↑	↓	↓	→
7	Chung-Hua University	↓	↓	→	→
8	Huafan University	↓	→	→	→
9	Soochow University	↑	↓	→	→
10	Ming Chuan University	↑	→	→	→
11	Kainan University	↓	↓	↑	↓
12	Chinese Culture University	→	↓	↓	→
13	Shih Hsin University	↑	↓	→	↓
14	Fo Guang University	↓	→	↑	↓

The performance of each university



National Chengchi University

NO.64,Sec.2,ZhiNan Rd.,Wenshan District,Taipei City
11605,Taiwan (R.O.C) 

Year founded: 1954

Campus setting: 1,033,851 square meters

Total enrollment: 15,588

Number of undergraduates: 9,315

Number of graduates: 6,273

Website: <http://www.nccu.edu.tw/english/>

Directions: [Detail](#)

Introduction

Established in 1927, National Chengchi University (NCCU) is noted for its humanities and social sciences disciplines. In the future, NCCU will pass on the outstanding traditions of humanities and social sciences, balancing both teaching and research, theory and practice, internationalization and domestication in academic disciplines including humanities, social sciences, law, business and communications, reinforce dialogues between humanities, technology and society, and promote multi-variant academic research development. Our vision is to build a first-rate international humanities and social sciences academic temple, and nurture "Humane, Global, Innovative" successors for the new century.

Programs/ Degrees Offered

Undergraduate degree: 37

Ph.D. degree: 37

Master degree: 53

Master Programs for working students: 16

Accreditation Outcomes

Accrediting Organization

HEEACT

AACSB

IEET

Chemical Society in Taiwan

National Taiwan Normal University

(Taiwan Literature and Taiwan Studies)

Outcomes

78 ([Detail](#))

30 ([Detail](#))

0 ([Detail](#))

0

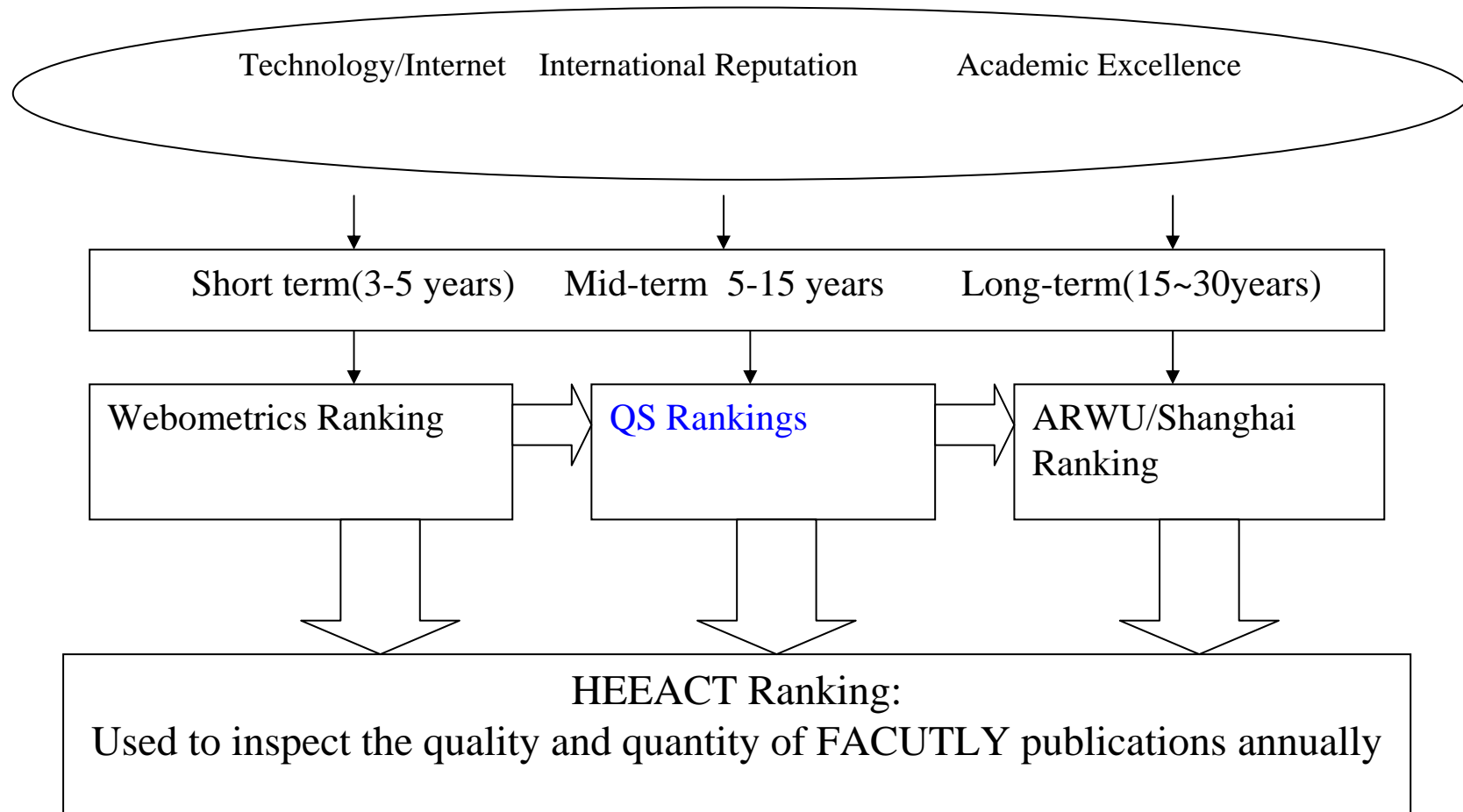
3 ([Detail](#))

Hou, Angela Yung-chi., Morse, R., & Chiang, C.L. (2012) .
**An Analysis of Mobility in Global Rankings: Making
Institutional Strategic Plans and Positioning for Building
World Class Universities.** *Higher Education Research &
Development (SSCI)*. (in press) ISSN: 0729-4360 (2010
Impact Factor **0.528**)

Comparison among the four global rankings by rank position increase

	ARWU	QS	Webometrics	HEEAC T
Cluster One	1–17	1–30	1–39	1–19
Cluster Two	20–45	Over 30	40–99	20–45
Cluster Three	Over 46	X*	Over 100	Over 46
Total number of institutions moving up	218(500)	170 (400)	242 (500)	231(500)
Highest rank position improvement	94	125	212	82

Flow Chart of Implication of 4 Global Ranking on Making Institutional Strategic Plans



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