
K4D Relevant Indicators for Universities

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markets in tertiary education

- Supply
- Purchasing power
- Information – ?

(uswatte-aratchi, Jan 2007)

Information on tertiary education

country reports

- Philippines (lead speaker), Dr. Catherine (Caren) Castañeda, Director, Office of Programs and Standards, Commission of Higher Education
- Bangladesh, Dr. Monem Mobasser, Associate Professor in Public Administration, University of Dhaka
- Malaysia, Assoc Prof Dr. Imran Ho-Abdullah, Centre for Academic Advancement, University Kebangsaan Malaysia
- Sri Lanka, Dr. Colin Peiris, Quality Assurance & Accreditation Council

Issue: Not comparative across countries

comparative data

- International Association of Universities (IAU)
 - Commonwealth Universities Year Book
 - Top 500 World Universities by the Shanghai Jiao Tong University (SJTU)
 - Top 200 World Universities by The Times Higher Education Supplement of UK (THES)
 - Asiaweek Survey of Universities Survey (now defunct; last survey in 2000)
 - Competitiveness indicators, by country (IMD and World Economic Forum, respectively)
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measures

INPUTS

Undergraduate Student Selectivity
Faculty Quality-qualifications/rank
Faculty Quality-research
Facilities, resources and services

PROCESSES

Teaching Assessment score
Student retention rates

OUTPUTS

Student success – graduation rate
Student success – employment rate
Student satisfaction – alumni giving rate
Recognition by peers – Peer survey rating

a renewed
Asia Week Survey?

challenge from IDRC

Better information gives

- Choice for consumers
- Competition among providers
- Vouchers, scholarships etc. to increase the purchasing power of the disadvantaged

But

- Does higher education contribute to development?
-

Anecdotally, we know that universities contribute very little to major industry sectors in Sri Lanka such as garment, tea, tourism and foreign workers

knowledge for development

innovative organizations and individuals

using cutting-edge knowledge

to produce new goods and services,

that

create jobs and put money in the pocket

of the people.

universities for development

- To increase their contribution to development through the production and distribution of knowledge, universities in developing countries need to transform themselves into 'developmental universities'.

But to achieve this,

- other participants, such as industry and government, must be also be prepared to take on new responsibilities. No ready-made model exists to guide these changes; they will require both creativity and the willingness to engage in thoughtful dialogue, both within and outside universities

(Judith Sutz, scidev.org, April 2005)

fine, but.....

- University, industry and government engaged in thoughtful dialogue???
(oh, no, more meetings?)
 - How do we bring knowledge producers and users together in a more natural, less time-consuming manner?
-

new possibilities with the Web

If we,

- self-archive
- self-archive
- self-archive

(full-text, if possible, or a good abstract if you wish to make your work proprietary)

why self-archive - 1

- Self-archiving has never been easier
 - Personal blogs
 - Time person of the year, December 25, 2006
 - Somebody somewhere someday may find your work useful
-

why self-archive -2

- 80% all journals are 'green' or allow self-archiving
(there are over 20,000 journals)
 - 50% articles published in ISI are 'green'
(ISI covers over 8700 journals)
 - Unedited copies may be self-archived
-

why self-archive -3

- “If a tree falls in the forest and no one hears it, does it make a sound?”

Attributed to Bishop George Berkeley (1685-1753)

- If you do good work but hardly anybody hears about it, does your work matter?
-

self-archiving leads to a
better Web presence
(scholar.google.com)

web presence as a K4D Indicator?

- Q: If an academic program 'A' has a higher Web presence than 'B' in, say, food S&T, say, does that mean that A is more relevant to development than B?
- A: Yes and no. Web presence is probably a necessary condition, not sufficient
(e.g. need demand/purchasing power)

Katz and Cothey (2006). Web Indicators for Complex Innovation Systems. *Web Indicators for Complex Innovation Systems*. Research Evaluation, vol. 14, no. 2, p. ?

Gamage and Samarajiva (2006). *From Capacity to Presence: Enhancing the Usability of University Research in the Internet Age*. In Press. Information Technology and International Development, MIT Press
(available at www.lirneasia.net/document)

supply?
Information?
demand?
(purchasing power)

proposed action research...

work with a selected set of industry sectors* such as tourism, food science and technology or ICT, to

*Not nano-technology, but sectors that can put money in people's pockets?

Develop an information system that provides adequate information for students, parents and employers about the credentials relevant to the selected sectors that are offered by universities in the selected countries.

Assist researchers who are doing sector-relevant research to document their work as scholarly papers or research reports.

Increase the 'Web presence' of above researchers and their research in the Internet by assisting them to archive their research outputs (or abstracts of those) on the Web

Increase the awareness of innovators in the selected sectors to the Internet presence of researchers

Work with national foundations for research and relevant post-graduate institutes, national research institutes and businesses to secure funding for further research in the selected sectors

Collect performance data for universities in Sri Lanka and other parts of Asia

Make above K4D activities self-sustainable, or better still, redundant.

measures, new with old

INPUTS

Undergraduate Student Selectivity-
Faculty Quality-qualifications/rank
Faculty Quality-research
Faculty Presence- on the Web
Quality of the presence- citations to the presence
Relevance of the presence- rating by stakeholders
Facilities, resources and services -

PROCESSES

Teaching Assessment score
Student retention rates

OUTPUTS

Student success – graduation rate
Student success – employment rate
Student satisfaction – alumni giving rate
Student quality- Peer survey rating
Student quality- industry sector rating

research question

- Does Web presence matter?
- If so how?

In the process we hope to have a significant percent of research and scholarly works related to, tourism, food science and technology and ICT, e.g., archived on the Web.

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-

speaking truth to power

through indicators?

- Speaking truth to power is no idealism: it is carefully weighing the alternatives, picking the right one, and then intelligently representing it where it can do the most good and cause the right change
(Edward Said (1994), Representations of the Intellectual: The Reith Lectures)
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Jan 2005- to date

- LIRNE *asia*

Thank you
