



Brain Drain, Brain Gain or Brain Circulation: Doctoral Education and the Global Divide.

CIRGE, Washington, May, 2008

NILE BASIN RESEARCH PROGRAMME

Challenges:

- War and exploitation
- Population growth
- Climate change
- Environment degradation
- Exploited natural resources -by others
- Lack of collaboration
- Poverty, Poverty.....
- "Outside the international knowledge society"

My context

- 25 years collaboration with Africa and Asia
 - "Health and poverty"
 - University development in developing countries
- EUA:
 - Network leader in the "Doctoral programme"
 - International group..... Council for doctoral training, CDE
- Director Centre for international health, UiB 1988...
 - Research School in partnership with Univ. in developing countries 1993
 - Partnership program for research and capacity building
 - NUFU
- Deputy Rector University of Bergen 2001-2005
- Part of Bologna process for Norway
 - national PhD regulation and Research Schools
 - towards "Salzburg indicators"
- Leader of European Mobility Programme: ERA MORE, Norway -2008;
 - the EU Mobility programme and Portal for researcher in 31 countries

Main challenges

Are "Knowledge societies" and "Knowledge economies" only a goal and term for the rich part of the world?
Europe, USA, ++++

Or do we accept "homelands" in research training?
"The others":

- other goals and quality indicators for marginalized parts of the world?
- Do not need quality universities?
- Not included in international reforms?
- Export of "brains" and natural resources?

Main question:

- Do we support and facilitate "Academic Apartheid"?



Basis for own process on doctoral training

- Bologna process.....46 countries, -governments
 - http://ec.europa.eu/education/policies/educ/bologna/bologna_en.html
- The European Charter for Researchers and The Code of Conduct for the Recruitment of Researchers"
 -European council
 - http://ec.europa.eu/eracareers/pdf/am509774CEE_EN_E4.pdf
- EUA...Salzburg indicators for doctoral training
 -> 800 Universities
 - http://www.eua.be/eua/jsp/en/upload/Doctoral_Programmes_Project_Report.1129285328581.pdf



World Bank

- "CONSTRUCTING KNOWLEDGE SOCIETIES: New Challenges for Tertiary Education"- 2002
 - "Higher Education in Developing Countries: Peril and Promise"- 1999 (Commission report)

Are now WB changing direction, at last?

- http://web.worldbank.org/WBSITE/EXTERNAL/TOPICS/EXTEDUCATION/0_contentMDK:20298183-menuPK:617592-pagePK:148956-piPK:216618-theSitePK:282386_00.html
- http://siteresources.worldbank.org/EDUCATION/Resources/278200-1099079877269/547664-1099079956815/peril_promise_en.pdf



".....Peril and Promise...1

The Task Force believes that strengthening higher education is a rational and feasible way for many countries to mitigate or avert further deterioration in their relative incomes,



".....Peril and Promise...2

servatively—in the region of 1 to 80. The disturbing truth is that these enormous disparities are poised to grow even more extreme, impelled in large part by the progress of the knowledge revolution and the continuing brain drain.



UNESCO

- "TOWARDS KNOWLEDGE SOCIETIES"
 - UNESCO World Report 2005

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- <http://unesdoc.unesco.org/images/0014/001418/141843e.pdf>



UNESCO: key points

- "Knowledge: a common public good... Global public good"
- "Knowledge-sharing is the cornerstone"

Paradox:
 "Transfer Money"
 -for Soccerplayers,
 -but not for PhDs and Postdocs



10/90 Dilemma in health science

Every year the world spends \$50-60 billion for health research and development.

Only 10% of this is used for research on the health problems of 90% of the world's people.

The 10/90 Report on Health Research, 1999
Global Forum for Health Research

- Research
- Doctoral training
- Access to knowledge and research literature



NUFU –a Norwegian experience on partnership 1

Joint venture in Norway:

- Ministry of Foreign affairs and Ministry for Research and Education
 - Part of Government strategy
- Ministries and the Universities,
 - long term commitment from the universities
 - Core activity of the universities
- 50-50% funding from the 2 Ministries
 - 1991 - 2012: NOK 1 204 500 000 from MFA
 - Plus equal amount from MER



NUFU –a Norwegian experience on partnership 2

Partnership: Universities North and South

- agreement at VC level
- Long term collaboration 10 years +
- Projects: Thematic priorities in "South"
 - Capacity building in "South"



NUFU –a Norwegian experience on partnership 3

Partnership: Universities North and South

PhD candidates

1991-2006: > 400

(Masters >1200)

staff of "South Universities"

Return rate after PhD > 85 %

Continue research collaboration

Process towards "Joint degrees"

7000 publications ~2000per reviewed



Global Status:

- "Globalization "
 - opens still for flow of brains to the "rich"
- Increasing "Divide" on access to Knowledge
 - a paradox... in a digital age
- Dynamic quality reforms of Universities in "North"
 - Example Bologna process in Europe
 - No involvement and participation from Developing countries
 - "Global Bologna" London 2007: "Reality??"
 - A few small initiatives from "South";- weak funding



Global Status:

- Lack of real reforms for universities in developing countries
 - Very low funding
 - Structural adjustment/privatization.....
 - Heavy teaching load
 - Old fashion degree and governance structure
- 10/90 dilemma:
 - Limited funds in the rich countries for global research agenda

Future possibilities

- **University reforms** in developing countries facilitated by
 - UNESCO
 - WB
 - Bologna countries
- **Partnerships** and bilateral collaborations :
 - **"NUFU like" programmes**
- **Institutional commitment**

Important elements for the future

- **Harmonizing the structure and quality assurance**
- **Harmonizing the framework and culture of research:**
 - research environment, research groups, multi-authorships interdisciplinarity,
 - PhD students = Early Stage Researcher
 - **ESR** as partner in good research groups
- **Stronger and more dedicated long term partnerships** in doctoral training - "North South"
 - "NUFU like"
 - "Brain sharing" --- both ways

Important elements for the future

- **"Knowledge as a global public good"**
 - **Open Access** publication regimes
 - Follow the OA mandates of:
 - USA: "NIH decision ..."
 - Europe: ERC decision
- **A global perspective and concern also for the "Universities of Rich":**
 - "the 90/10 dilemma..."
 - Not only in Health.
 - Not only for "development budgets"

Towards a Global Open Knowledge Society and not a global "Academic Apartheid"



The European Researchers Mobility Portal

- **Vacant position** from all countries
 - **Information** about the Europe Recruitment profil
 - **Information** from each university
- http://ec.europa.eu/eracareers/index_en.cfm

