THE UNIVERSITY OF
SYDNEY

WUN
Worldwide Universities Network

Transforming Universities for Local and Global Challenges

OCED Conference | *Higher Education in Cities and Regions – For Stronger, Cleaner and Fairer Regions*
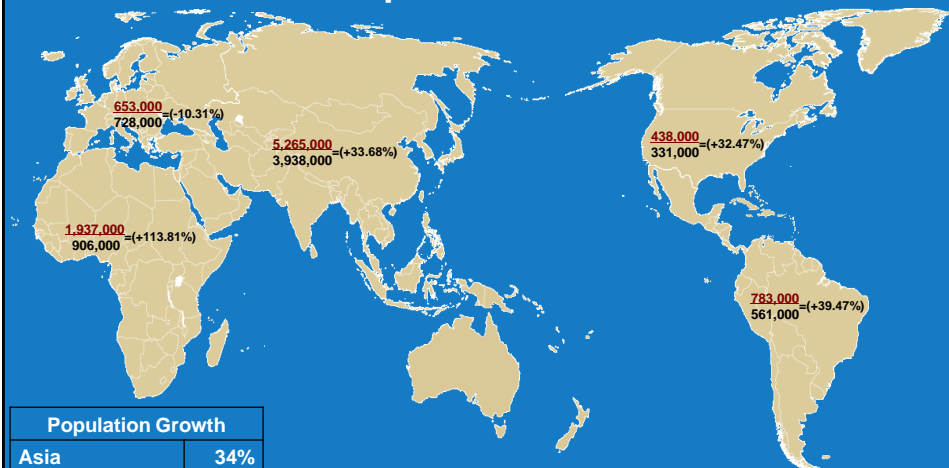
Seville, Spain
10-11 February 2011

Professor John Hearn
Chief Executive, Worldwide Universities Network
Vice-President International, The University of Sydney
Professor of Physiology, The University of Sydney

Dynamics and Demographics
World Population 2005-2050

653,000 / 728,000 =(-10.31%)

5,265,000 / 3,938,000 =(+33.68%)

438,000 / 331,000 =(+32.47%)

1,937,000 / 906,000 =(+113.81%)

783,000 / 561,000 =(+39.47%)

Population Growth	
Asia	34%
Africa	114%
Europe	-10%
N America	32%
Latin America	39%

World Population (in thousands)

9.1 billion in 2050 / 6.5 billion in 2005 =(+40.39%)

Total population projected to 2050 / Total population as at 2005 = % changed

Note: United Nations data 2007

Higher Education Flows
Number of International Students 2008

From	To OECD Countries	To Non OECD Countries	Total	%
Africa	275,598	121,086	396,684	11.87
Asia	1,279,038	374,700	1,653,738	49.47
Europe	697,493	120,216	817,709	24.46
North America	93,470	5,653	99,123	2.96
Oceania	21,247	13,306	34,553	1.03
South America	166,750	62,085	228,835	6.85
Not Specified *	112,450		112,450	3.36
Total from all countries, 2008	2,646,046	697,046	3,343,092	100.00

Total from all countries	To OECD Countries	To Non OECD Countries	Total	
2008	2,646,046	697,046	3,230,642	+ 66.7%
2000	1,587,221	383,297	1,970,518	

Note: compiled from data extracted from Education at a Glance 2010: OECD Indicators. The country of origin is "not specified" in the *Education at a Glance* 2010 data

---

The World University – Reforms to 2020

- **Leadership** – informed, international framework, resources
- **Research** – interdisciplinary, international, strategic impact
- **Teaching** – curriculum for fundamentals and futures
- **Students** – current challenges in student life, mobility trends
- **Teamwork** – international university networks, partners

Effects of the Global Financial Crisis

- **Opportunities**
  - Back to the future
  - Review core values, quality, relevance
  - Thinking, questioning world citizens
  - Address global challenges, Millennium Development Goals, green growth
- **Threats**
  - Multiple reductions in resources
  - Reduced government investment in education, research and innovation
  - "Small World" attitude, disengage

The Worldwide Universities Network
Global Challenges

- Adapting to Climate Change / Food Security
- Understanding Cultures
- Globalisation of Higher Education and Research
- Public Health (focussed on Non-communicable disease)
- [Information and Communication]

Adapting to Climate Change

- Focus science, technology, innovation
- Multidisciplinary approach and teams
- Global partnerships for knowledge transfer
- Social and behavioural change for sustainability
- Policy influence – governments, international agencies

Understanding Cultures

- International use and abuse of cultures
- Rhetoric, reality and political correctness
- Priorities and gaps in country opportunities
- "Clash of cultures" in the pursuit of peace
- Class and culture, mobility catalysts

Globalisation of Higher Education and Research

- **World University** – balance of top-down and bottom-up
- **Research** – strategic local and global challenges
- **Curriculum** – fundamentals, frontiers and relevance
- **Local** – teamwork, quality, government, universities, business, alumni, communities
- **Global** – international partnerships and networks

Public Health in Non-Communicable Disease

- **Research** – early determinants for healthy development
- **Training** – technical capacity to deliver
- **Technology** – appropriate without abuse
- **Prevention** – healthy lifestyle, reduce self-inflicted disease
- **Partnership** – focus on MDGs and "bottom billion"

Questions

- What is your **framework** – five-year academic and business plan and one-year action plan?
- What is your **timeline** for local and global engagement?
- What is your **quality** monitoring and measurement?
- What are the capacities of your **teams** and **networks**?
- What are your **priority** and **resource** commitments?