Introduction
Regional Expert Meeting

Transforming Education and Training Systems to Create Lifelong Learning Societies in the Asia-Pacific

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Day 1: Vision/Direction
Day 2: How?
1. Key Questions

2. Trends of Asia (Contexts)
   A. Economy
   B. Demography
   C. Education Status
   D. AI and Work (global)
   E. Shared and Basic Income,?
Why Competency Framework ?
How could an individual realize his/her potential?
How best could all human resources be developed?
What are the motivations of successful lifelong learners?
Who are we talking about/targeting in the big diversity of Asia?
2. Trend of Asia

A. Economic/social progress and implications
B. Demographic dynamics and challenges
C. Education Trends
D. Technologies (AI), Work, and Life
Increased Share in World GDP

(Constant 2005 USD)

The middle class in the Asia-Pacific is projected to continue to grow.

Source: Brookings Institution (2012)

Note: The middle class includes people earning or spending $10–$100 a day (in 2005 purchasing power parity terms).
Shares of Global Middle Class Consumption, 2000-2050

Source: OECD
Countries in Asia Pacific have seen widening income disparities.

Income inequality is a problem that many developed countries face as well.

Source: Brookings Institution (2012)
2. Demographic dynamics, challenges
Population Pyramid Across Time: Aging Asia-Pacific

Dependency Ratio (%) = \frac{(\% under 15) + (\% over 65)}{\% between 15 and 65} \times 100

Source: World Development Indicators.
Suicide rates by age group
2011, deaths per 100,000 population*

**Source:** OECD

*Age-standardised*
3. Education Trends in Asia
Secondary School Achievement in PISA Mathematics and Reading Tests

Source: OECD Programme for International Student Assessment 2009 Database
School life expectancy per country

Source: UIS (2012), UNESCO Institute for Statistics database

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Central Asia: Uzbekistan, Kazakhstan

East Asia and the Pacific: Lao PDR, Cambodia, China, Philippines, Thailand, Malaysia, Japan, South Korea, Australia, Viet Nam

South and West Asia: Pakistan, Bangladesh, India, Bhutan, Maldives, Iran, World

32.15% of tertiary age youth were enrolled in tertiary education in 2012. This figure was a 13 percentage point improvement over 2000.

Source: UNESCO Institute for Statistics website (data.uis.unesco.org), with latest available data
Illiteracy prevails

Still around 781 million illiterate adults

(498 million in Asia and Pacific)

Women represent 2/3 of illiterate adults (64% in South and West Asia)

18 million
are out of school in Asia-Pacific.
(primary school age)
4. Technologies (AI) & Work and Life
Elon Musk

“AI is our biggest existential threat”
“The development of full AI could spell the end of the human race”

Prof. Stephen Hawking
Robots are your friends

“Robots are your friends”
YES, Android took/will take our Jobs

Andrew McAfee: What will future jobs look like?
http://youtu.be/cXQrbxD9_Ng
Jobless Recovery

Productivity and employment in the United States, 1947-2011

1947=100

Sources: U.S. Department of Labor, Bureau of Labor Statistics
Growth of real hourly compensation for production/nonsupervisory workers and productivity, 1948–2011

Cumulative percent change since 1948

Productivity: 254.3%
Hourly compensation: 113.1%

Note: Hourly compensation is for production/nonsupervisory workers in the private sector and productivity is for the total economy.

About 47 percent of total US employment is at risk. We further provide evidence that wages and educational attainment exhibit a strong negative relationship with an occupation’s probability of computerization.
Announcing Quill Engage for Google Analytics
Spend less time interpreting dashboards and more time improving your site

Let Quill Do the Writing for You

Renaissance

About Renaissance
Renaissance Technologies LLC is an investment management company dedicated to producing superior returns for its clients and employees by adhering to mathematical and statistical methods.
Shared Economy... 

airbnb  

uber  

Car, house, items, times, knowledge, transportation, etc