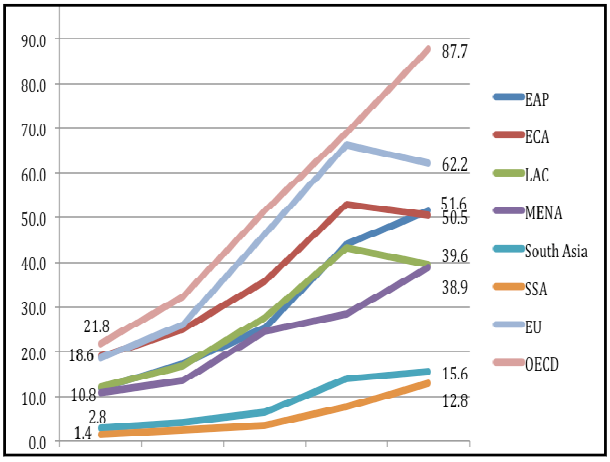
Outline

- A Changing and Challenging World
- The Rising Tide of Quality Assurance



Internationalization

- International students
  - 2 m in 2000
  - 5 m in 2016
  - Plus study abroad students
- Foreign institutions / campuses

The future of jobs (labor markets in the digital era)

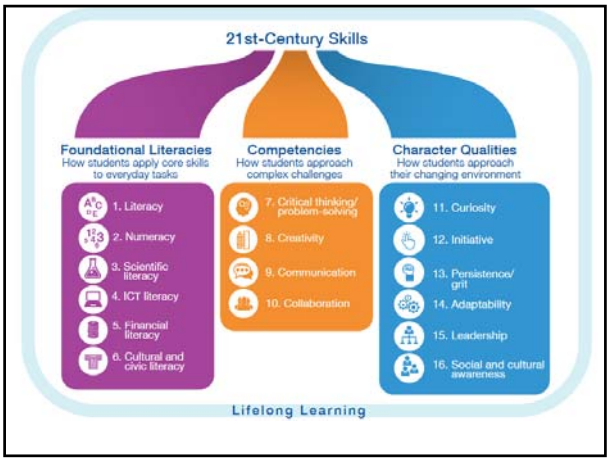
- Jobs that disappear (700 professions)
- New jobs

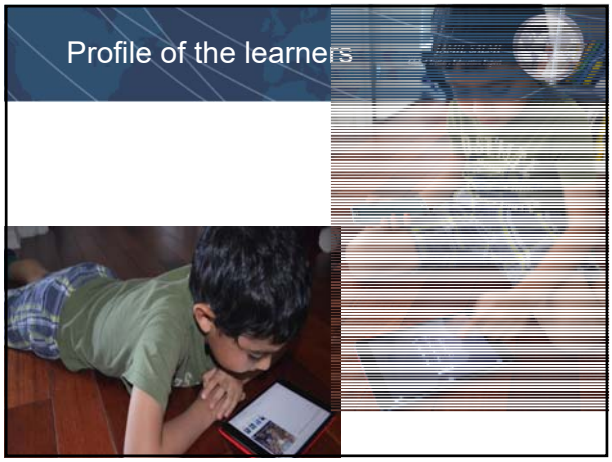
Jobs that did not exist 10 years ago

- App developer
- Social media manager / YouTube content creator
- Digital risk manager
- Smart city / smart building architect
- Driver-less car engineer
- Cloud computing specialist
- Big data analyst
- Sustainability manager
- Drone operator

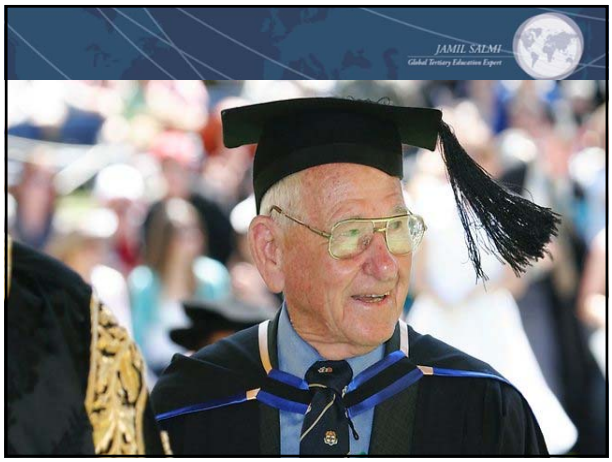
The future of jobs (labor markets in the digital era)

- Jobs that disappear (700 professions)
- New jobs
- Jobs that are undergoing transformation (47%)


21st-Century Skills
Foundational Literacies
How students apply core skills to everyday tasks
1. Literacy
2. Numeracy
3. Scientific literacy
4. ICT literacy
5. Financial literacy
6. Cultural and civic literacy
Competencies
How students approach complex challenges
7. Critical thinking/ problem-solving
8. Creativity
9. Communication
10. Collaboration
Character Qualities
How students approach their changing environment
11. Curiosity
12. Initiative
13. Persistence/ grit
14. Adaptability
15. Leadership
16. Social and cultural awareness
Lifelong Learning


Profile of the learners

E-Generation
JAMIL SALMI
Global Tertiary Education Expert
WIKIPEDIA
The Free Encyclopedia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Global Tertiary Education Expert

Curricular innovations

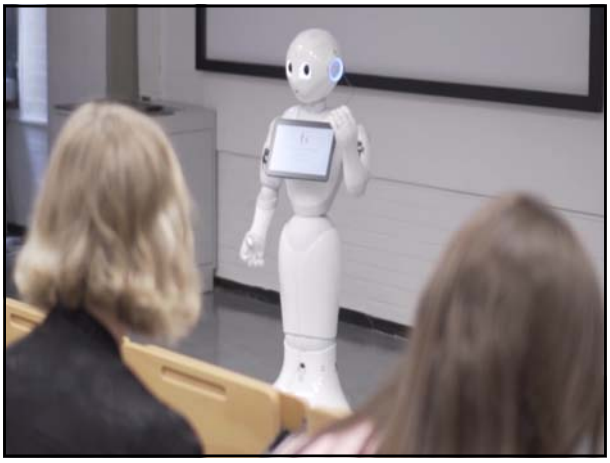
- Problem-based / Design-based Learning (Maastricht, Roskilde, Aalborg)
- Experiential learning (coop, service learning, simulations, role playing, learning games)
- Multi-disciplinary programs
  - Amsterdam University College
  - U of Queensland School of Chemistry and Molecular Biosciences
- Competency-based learning
  - Western Governors' University

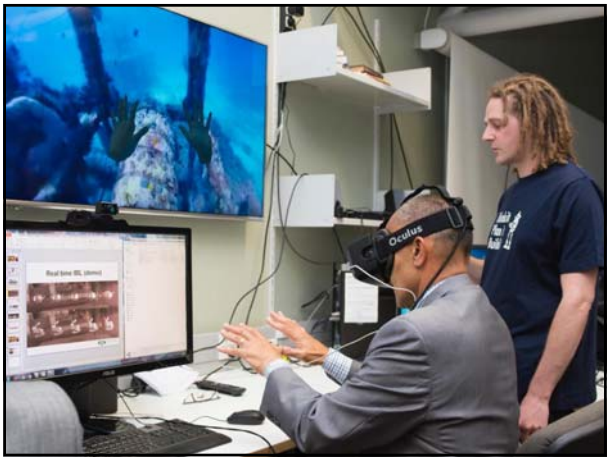
Pedagogical Innovations

- E-learning / Self-learning (AI facilitated)
- Peer learning (clickers, flipped classroom)
- Team-based learning

New Technologies

- Computers and Internet
- Artificial intelligence
- Big Data
- Blockchain
- Virtual Reality / Augmented Reality
- 3-D Printing
- Collaborative Platforms




Oculus

Olin College of Engineering

- Designed-based learning (as teams)
- Multi-disciplinary
- No academic departments / no tenure
- Integration of engineering, entrepreneurships and humanities

Western Governors University

- Virtual university, started in 1997 as initiative of Governors of Western States, taking advantage of the Internet
- Competency-based learning model: students progress based on reaching levels of competencies (learning results rather than time)
- Aimed at adult students who can study at their own pace independently of place and time
- 110,000 students in 2018

The “new” university

- Moocs
- Boot camps
- Minerva (online face-to-face elite U)
- Ecole 42 (free computing school with no teachers, no degrees and no high school requirements)
- Kaospilot http://www.kaospilot.dk/
- Hyperisland https://www.hyperisland.com/

Shape of degrees

- Traditional degrees (Bs, Ms, PhD)
- Courses from several institutions / joint degrees
- Micro-credentials and nano-courses
  - Certificates, badges, etc.
- Mini-masters
- Separation of learning / credentials

Aspiring Minds

- Indian company administering the AMCAT competency test (job employability)
- 1,100 Universities use AMCAT
- 5 million people tested in 2018
- Now active in Bangladesh, China, Malaysia, the Philippines, the Middle East, and the USA

The Credit Bank of Korea

- Open educational system
- Recognition of learning acquired in-school and out-of-school
- Degree granting
- Fully recognized degrees

Graduation ceremony at the Korean Credit Bank

Outline

- A Changing World
- **The Rising Tide of Quality Assurance**

Impressive progress

- Quiet revolution of quality assurance
- International and regional QA networks
- CIGQ – International Quality Group (CHEA)
- International and regional agreements

International Agreements

- UNESCO – OECD Guidelines on Quality Provision in Cross-Border Education (2005)
- Draft Global Convention on the Recognition of Higher Education Qualifications in the works (UNESCO in the lead)
  - To be approved this year

Regional Agreements

- Standards and Guidelines for Quality Assurance in the European Higher Education Area (2005, revised in 2015)
- ASEAN Quality Assurance Framework (2015)
- African Standards and Guidelines for Quality Assurance (2018)
- Latin America still pending (sub-regional) – broad principles in 1974
- Arab States (1978)

Core Principles

- Role of external QA agencies
- QA standards, criteria and processes
- Internal Quality Assurance
- Qualifications frameworks (sometimes separate, as in Europe)

Credit Transfer Agreements

- Not one international agreement yet
- Europe: ECTS
- Africa: under consideration
- Latin America: CLAR
- Asia: AUN-ACTS, UMAP-UCTS, and AIMS

Challenges

- The rankings distraction
- Recognition of disruptive practices
- Assessment

Assessment

- “Assessment is the killer of learning”
- Need for alignment (E / C / P / A)
- Multi-dimensional assessment: general education, key competencies, trajectory
- Formative assessment feeding into the learning process
- e-portfolios as self-evaluation and growth assessment instruments

Refugees

- 68.5 million world-wide
  - 25.4 internationally
  - 40 internally displaced
  - 3.1 asylum seekers
- Innovative “qualifications passport for refugees” (Norway & Europe)

Repression

- Turkey etc.
- Threats to free movement of academics and students
  - Trump’s travel ban
  - Visa restrictions
- Threats to academic freedom
- Threats to scientific rigor and progress

Fraudulent Practices

- Degree mills (esp. online)
- Accreditation mills
- Fake academic journals and conferences
- Plagiarism
- Fraud at exams
- Admission (latest US scandal)

Conclusion: Rising Up to the Challenge

Learning is not a spectator sport

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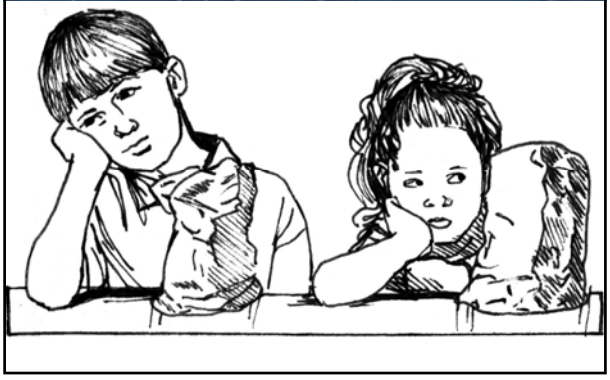
Global Tertiary Education Expert



Student-Centered Learrning

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Global Tertiary Education Expert

- Sparking Curiosity
  - Igniting Passion
    - Unleashing Genius
- One size fits all / let a thousand flowers bloom?

Thriving under disruption

- International and regional agreements
- Innovative dimensions in accreditation criteria
- Inclusion of new accountability measures
- Cultivate core values of QA

Innovative features

- Embrace curricular and pedagogical innovations
- Incorporate innovations in admission, assessment and degree configuration
- Focus on outcomes and added value
  - Learning achievement
  - Competencies acquired

Integrate valid elements of new accountability instruments

- Voice of the students (student engagement)
- Voice of society (labor market / employers)
- Recognition of new credentials
- Rely on predictive analytics

Cultivate and strengthen what makes accreditation unique

- International and regional convergence / collaboration
  - By and for the members
- Intellectual and institutional independence
- Flexibility

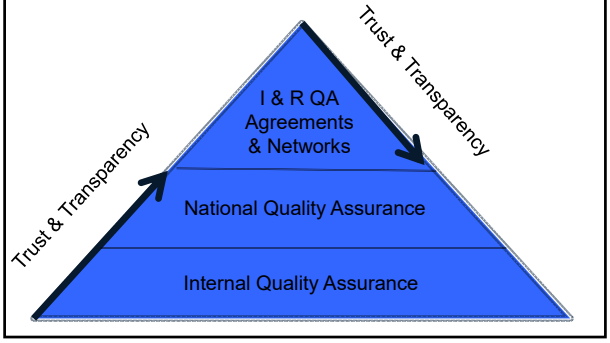
Role of QA in an International Perspective

- Trust (example of refugees)
- Transparency
- Relevance

Role of QA in an International Perspective

- Collaborative platforms for sharing of experience and capacity building
- Outcome-based quality assurance open to innovative practices
- Framework to recognize new forms of qualifications

Aligned Multi-layer QA System



Beta mode

- Continuous change and adaptation
- Open mind to accept innovation
- Humility: learning as you go