

Recognition in a digitized world

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<http://bit.ly/QQI2017>



A QQI CONFERENCE ON THE
DIGITALISATION AGENDA
RE-THINKING THE ROLE OF
QUALIFICATIONS AND SKILLS

Venue: Radisson Blu Hotel, Golden Lane, Dublin 8
Tuesday
24.10.17

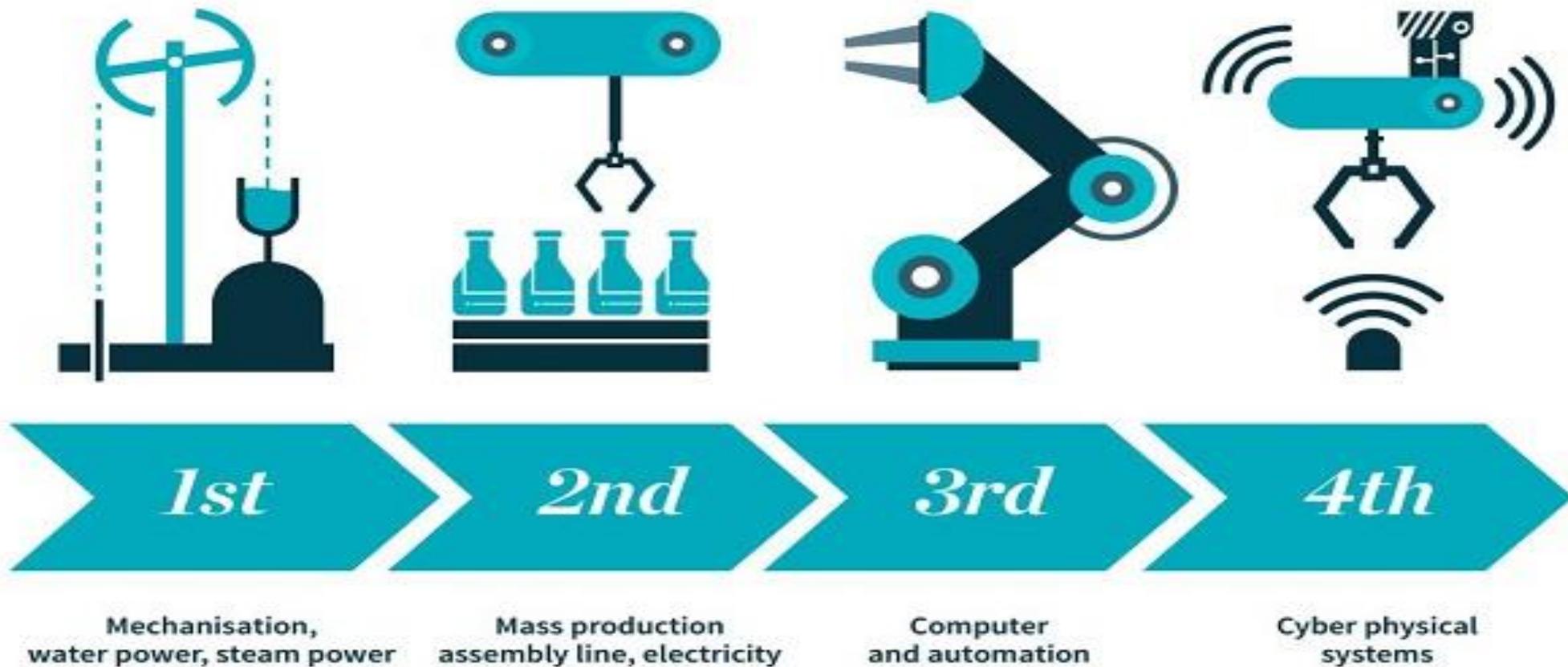
Change²

The skills we need will be dramatically different

Anything that cannot be digitized or automated will become extremely valuable

Human-only traits such as creativity, imagination, intuition, emotions and ethics will be even more important in the future because machines are very good at simulating but not at being

Not individual systems but new ecosystems



Education became available to the middle classes and the merchant and craft guild system developed.

The 19th century brought with it a wave of liberalism and consciousness of equal rights and opportunities, closely accompanied by increased urbanisation. The increased need for skilled manpower eventually resulted in an emphasis on credentialism that persists to the present day.

During the 20th century the emphasis shifted to human capital theory and technological development, eventually leading to concerns whether the education system was able to meet the demands of the labour market.

In the future the skills we need will be dramatically different. Anything that cannot be digitized or automated will become extremely valuable. Human-only traits such as creativity, imagination, intuition, emotions and ethics will be even more important.



facebook

2010



facebook

2017

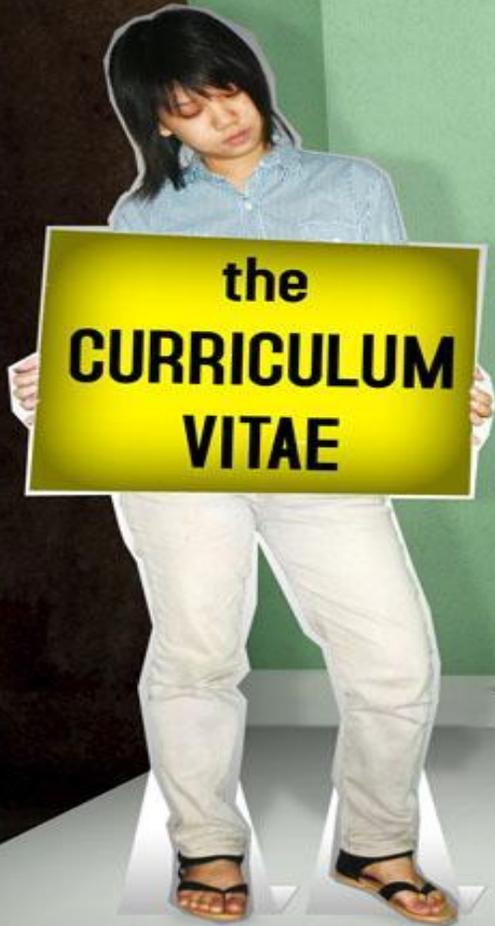


“As technology changes, so too will
forms of credentialing”

Ifenthaler *et al* 2016

Visual tokens of achievement, affiliation, authorization, or other trust relationship sharable across the web. Open Badges represent a more detailed picture than a CV or résumé as they can be presented in ever-changing combinations, creating a constantly evolving picture of a person's lifelong learning



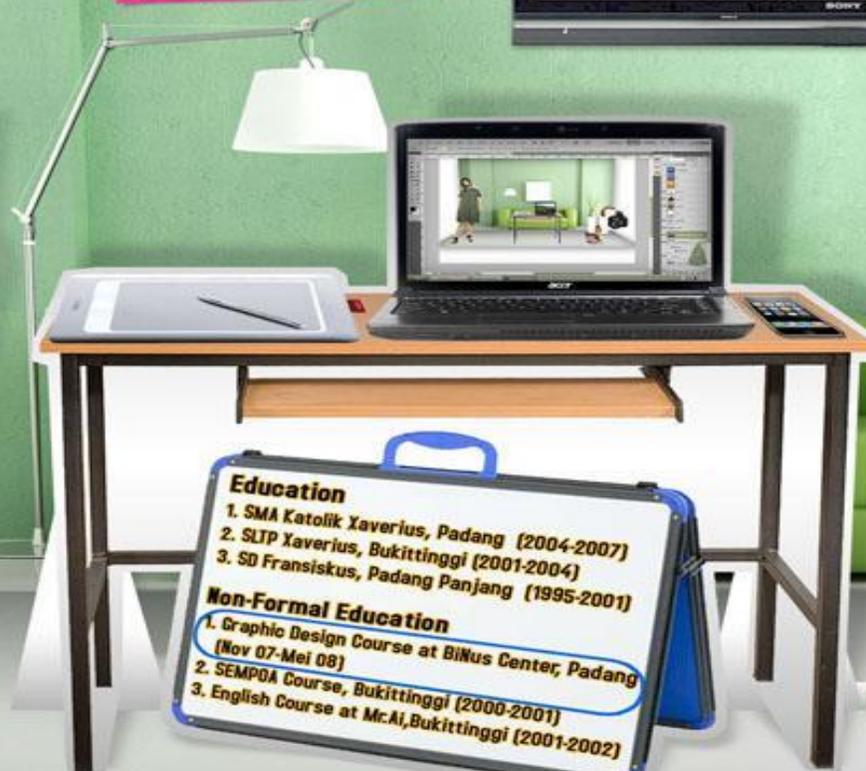


More About Me:

- Creative & Positive Thinking
Let's Think Out Of The Box!
- Self Motivated, Hard Worker
& Never Stop Learning
- Friendly, Team Work, Optimists
- I'am a Junior Graphic Designer would like to develop my skill in digital imaging, advertising and others, and be a part of the success of your company!

Personal Details

Name : Marina Mayori Tios
Age : 21th
Education : Senior High school Graduated
Birth : Bukittinggi, July 17th 1989
Sex : Female
Status : Single
Address : - Jl. HOS Cokroaminoto No.79 , Padang
- Jl. Soekarno Hatta No.3D , Padang Panjang
Phone : 085274121310
E-Mail : y0ri_aje@yahoo.com



Education
1. SMA Katolik Xaverius, Padang (2004-2007)
2. SLTP Xaverius, Bukittinggi (2001-2004)
3. SD Fransiskus, Padang Panjang (1995-2001)

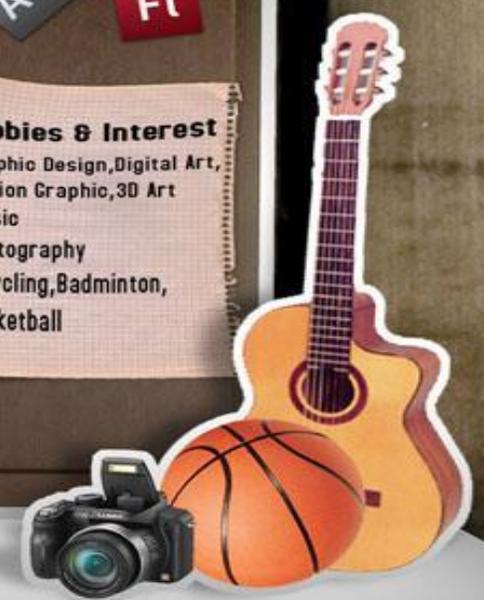
Non-Formal Education
1. Graphic Design Course at BiNus Center, Padang (Nov 07-Mei 08)
2. SEMPDA Course, Bukittinggi (2000-2001)
3. English Course at Mc.Ai, Bukittinggi (2001-2002)



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Other Skills
- Able to hand drawing & sketch
- Able to operated Ms.Word, Ms.Power Point, Ms.Excel

Hobbies & Interest
-Graphic Design,Digital Art, Motion Graphic,3D Art
-Music
-Photography
-Bicycling,Badminton, Basketball



Benefits of digital credentials



Digital credential will play a key role for employers to get closer to defining the skills they need

Rewarding and recognising learning in bite-sized chunks, allowing learners to showcase and communicate their achievements in a way that employers can really understand

Visibility of the employee workforce and the skills that they can use as a business

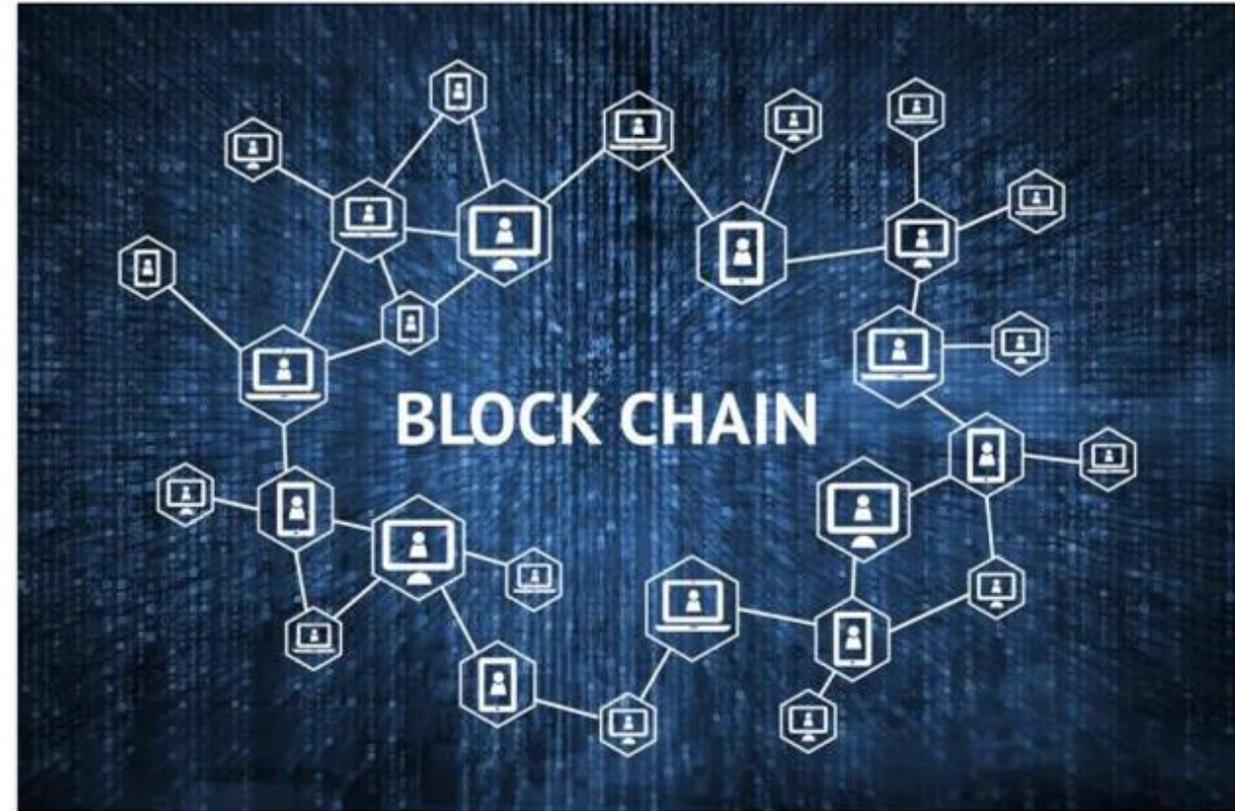
Friday, September 22, 2017, 11:50 by Ivan Martin

Malta becomes first country to explore blockchain education certificates

Learner no longer needs permission of issuing institution to share certificate



BLOCKCHAIN



The government has launched a pilot project to explore the possibility of issuing educational certificates on the blockchain.

The project will see diplomas at MCAST, training certificates at ITS, and equivalence statements, accreditation and licensure from the NCFHE, all issued on the emerging technology this year.

1

2

3



Alice wants to send money to Ben



The first **block** is created online and represents the **transaction**

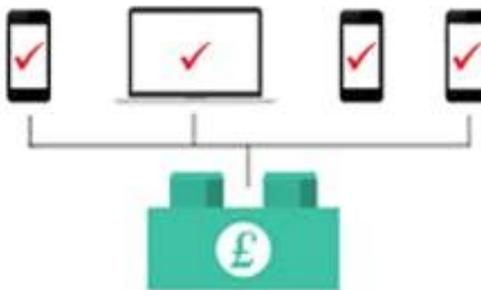


The **block** is **broadcast** to every party in the network

4

5

6



Those in the network approve the **transaction** and validate it



The block is then added to the chain which provides a permanent, non-repudiable and **transparent** record of the **transaction**



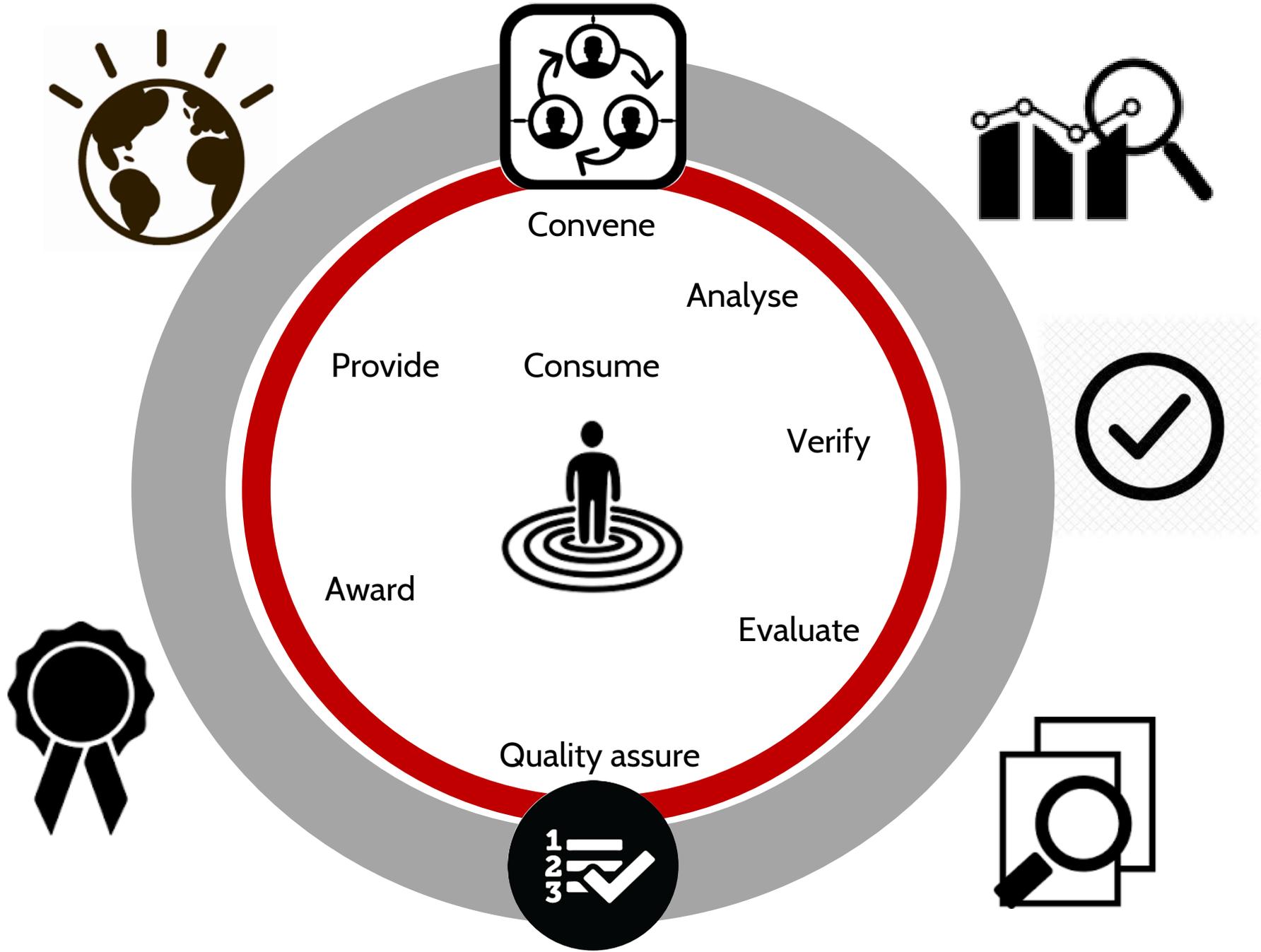
Ben receives the money from Alice

Growing number of blockchain initiatives around the world



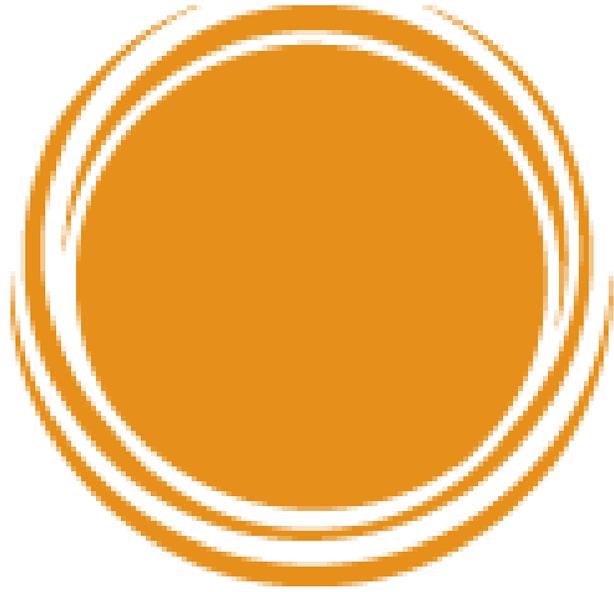
Source: Asian Banker Research

Digital credential ecosystem





GRONINGEN
DECLARATION



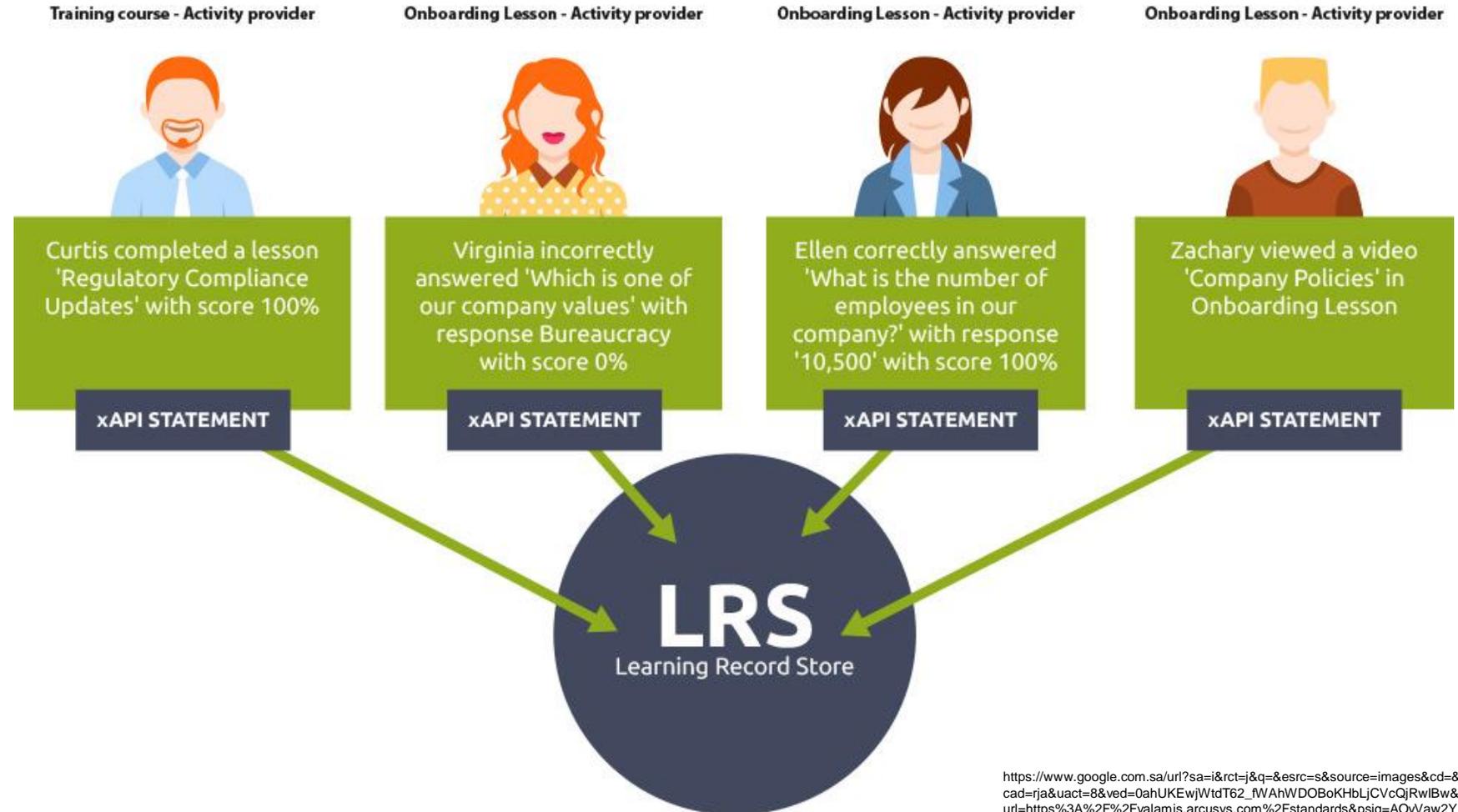
LuminaTM
FOUNDATION

Interoperability

Interoperability imply exchanges between a range of products, or similar products from several different vendors, or even between past and future revisions of the same product. Interoperability may be developed post-facto, as a special measure between two products, while excluding the rest, by using open standards. When a vendor is forced to adapt its system to a dominant system that is not based on open standards, it is not interoperability but only compatibility.

EXPERIENCE xAPI

xAPI lets applications share data about human performance (broadly defined). More precisely, xAPI lets you capture (big) data on human performance, along with associated instructional content or performance context information (i.e., experience). xAPI applies “activity streams” to tracking data and provides sub-APIs to access and store information about state and content. This enables nearly dynamic tracking of activities from any platform or software system—from traditional Learning Management Systems to mobile devices, simulations, wearables, physical beacons, and more.



Recognition in a digitized world

Current approaches

- Formal, non-formal and informal divide
- Central role of NQFs, with emerging regional QFs
- RPL works, but is costly and slow
- Strong role of national recognition authorities
- Use of learning outcomes

Where we are heading

- The divide becomes much more blurred
- RQFs and world reference levels gain ascendancy
- Digital credentials become more mainstream
- Blockchain and privacy measures
- Representation is more important than formal credits
- International sectoral qualifications
- Use of xAPIs



Humanlike robots

“Representation”
Anything that cannot be digitized or automated will become extremely valuable

Closing the skills gap using digital credentials (& xAPI & Blockchain)

Traditional “macro-credentials”, qualifications, NQFs, RQFs, credits, learning outcomes

Performing menial tasks, replacing humans

Rise of AI, machine learning and robotics



In the end, it all comes down to people and values. We need to shape a future that works for all of us by putting people first and empowering them. In its most pessimistic, dehumanized form, the Fourth Industrial Revolution may indeed have the potential to “robotize” humanity and thus to deprive us of our heart and soul. But as a complement to the best parts of human nature—creativity, empathy, stewardship—it can also lift humanity into a new collective and moral consciousness based on a shared sense of destiny. It is incumbent on us all to make sure the latter prevails.

Klaus Schwab, 2016

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