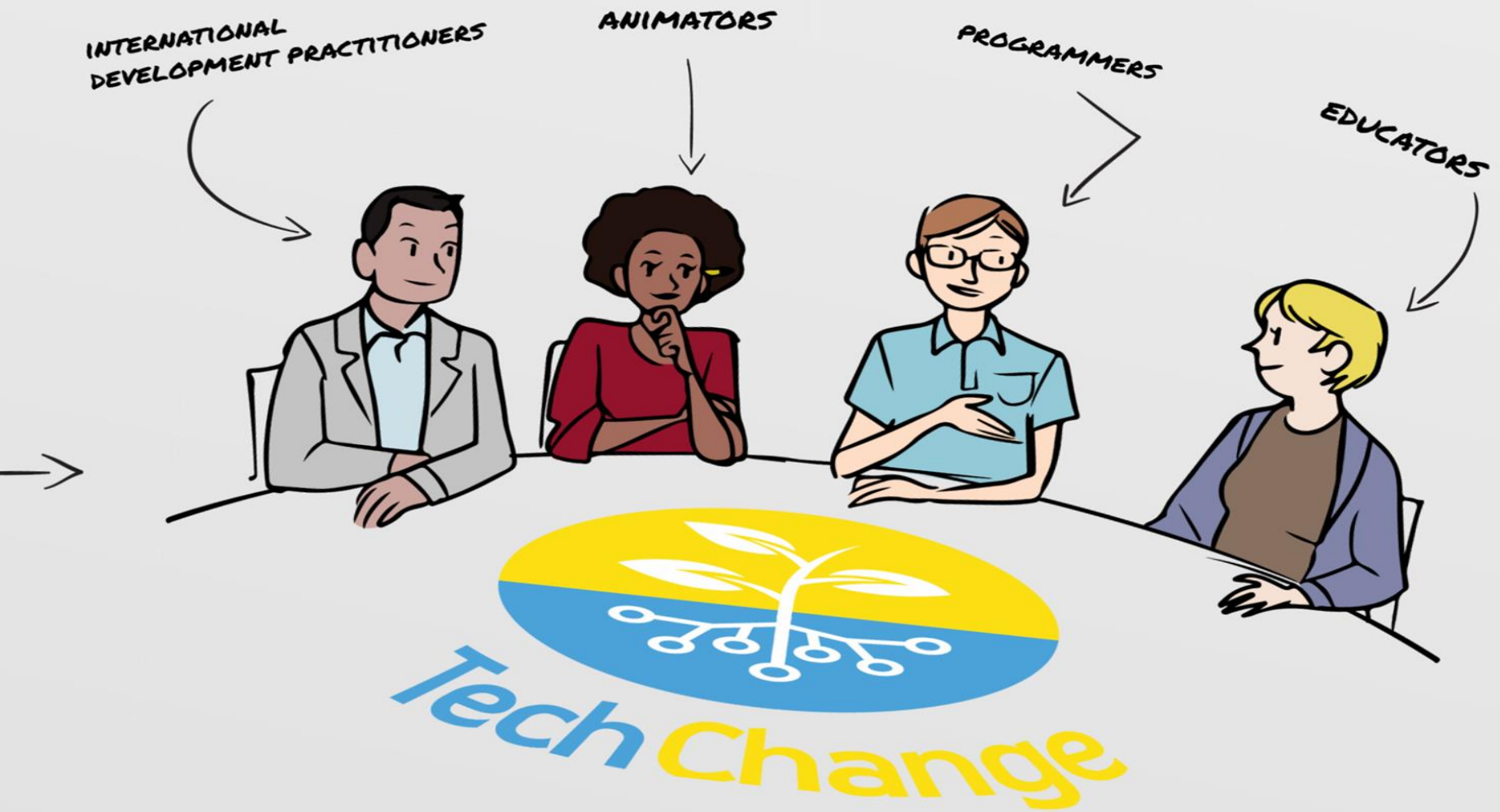
Blockchain & online learning

How many of you...

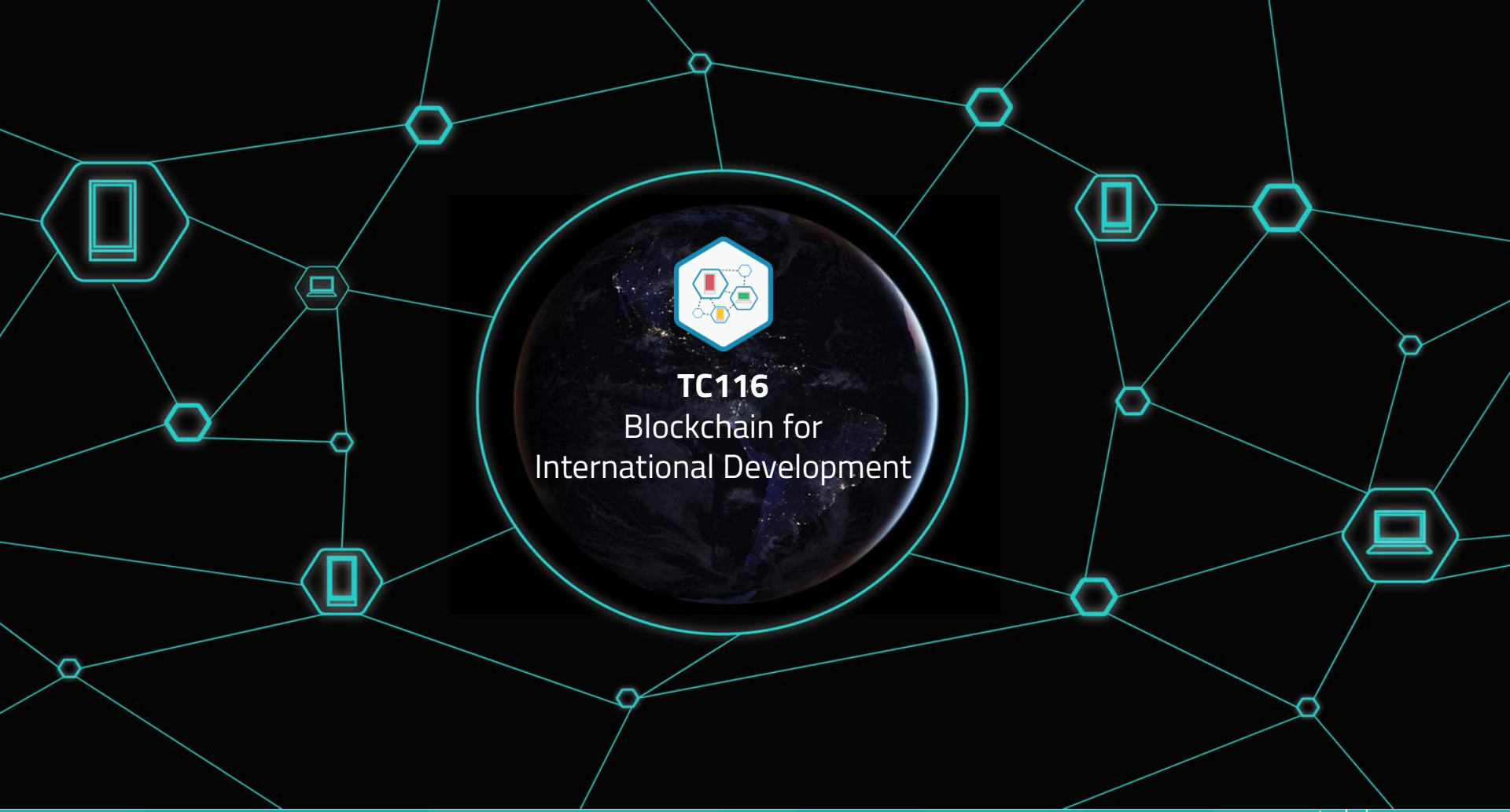
...own

bitcoin

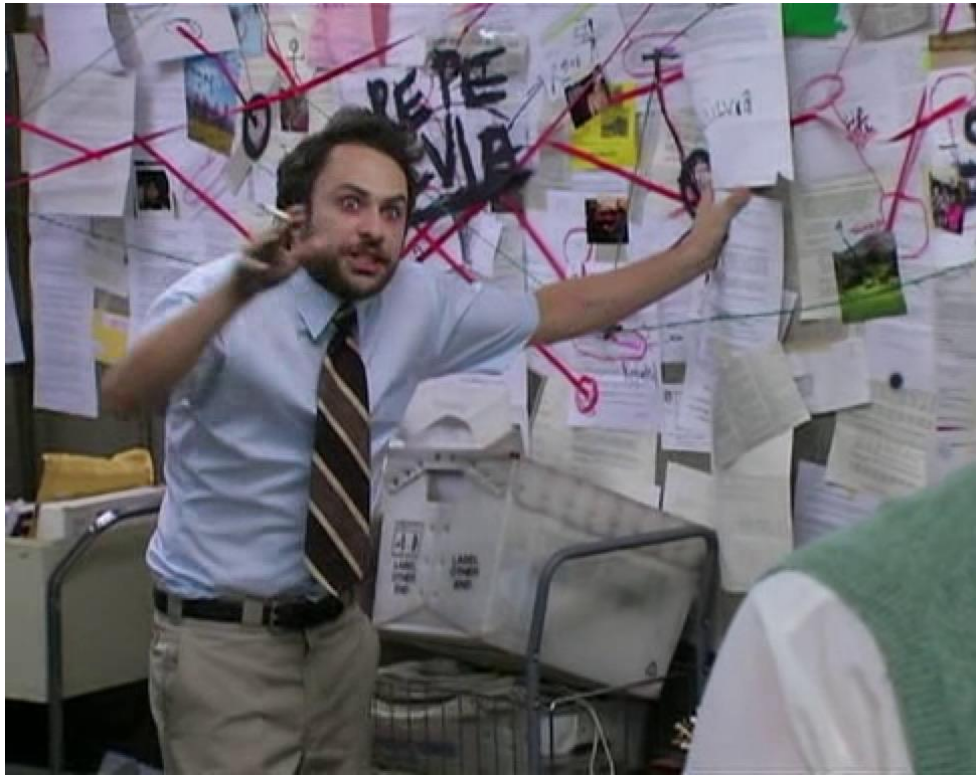
We build beautiful online courses
on topics that matter.


INTERNATIONAL DEVELOPMENT PRACTITIONERS
ANIMATORS
PROGRAMMERS
EDUCATORS
TechChange

Built 500+ online courses with 100+ social sector partners


TC116
Blockchain for
International Development

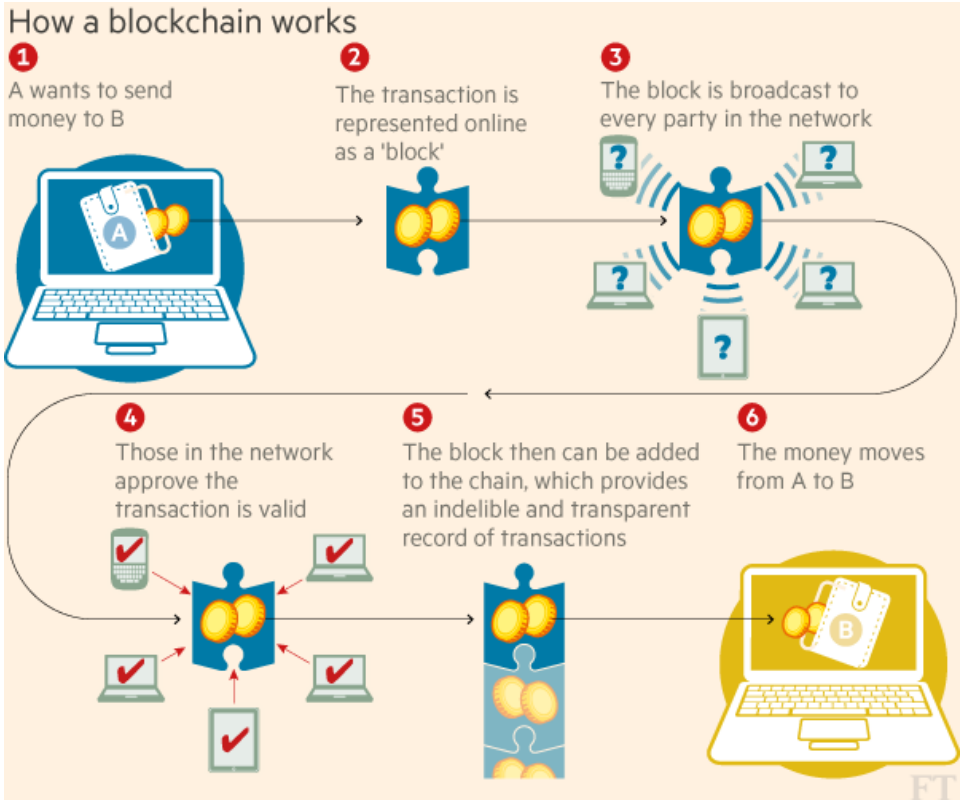
How I feel trying to explain Blockchain technology



Blockchain is

...a ledger, a distributed, digital ledger.

How it works?


How a blockchain works
1
A wants to send money to B
2
The transaction is represented online as a 'block'
3
The block is broadcast to every party in the network
4
Those in the network approve the transaction is valid
5
The block then can be added to the chain, which provides an indelible and transparent record of transactions
6
The money moves from A to B
A
B
FT

Blockchain for social impact

Supply chain management

Aid distribution

Voting processes

Health record storage

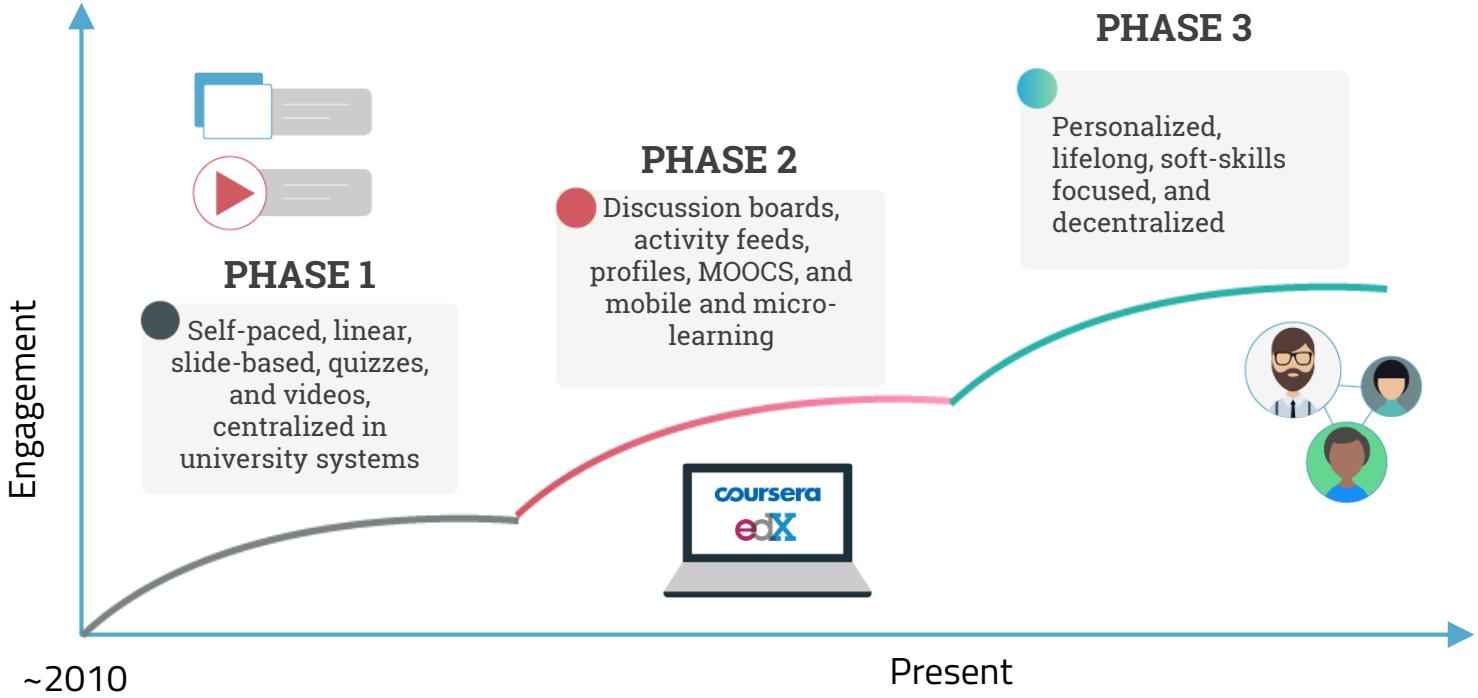
Remittances

Identification systems

Land tenure

Educational credentialing

The history and future of online learning



How we're thinking about phase 3 at TechChange

Data-Driven Layer
(Learning Record Store)

+

Adaptive Learning
Engine (AI)

+

Small Group
Problem Solving
Channels

+

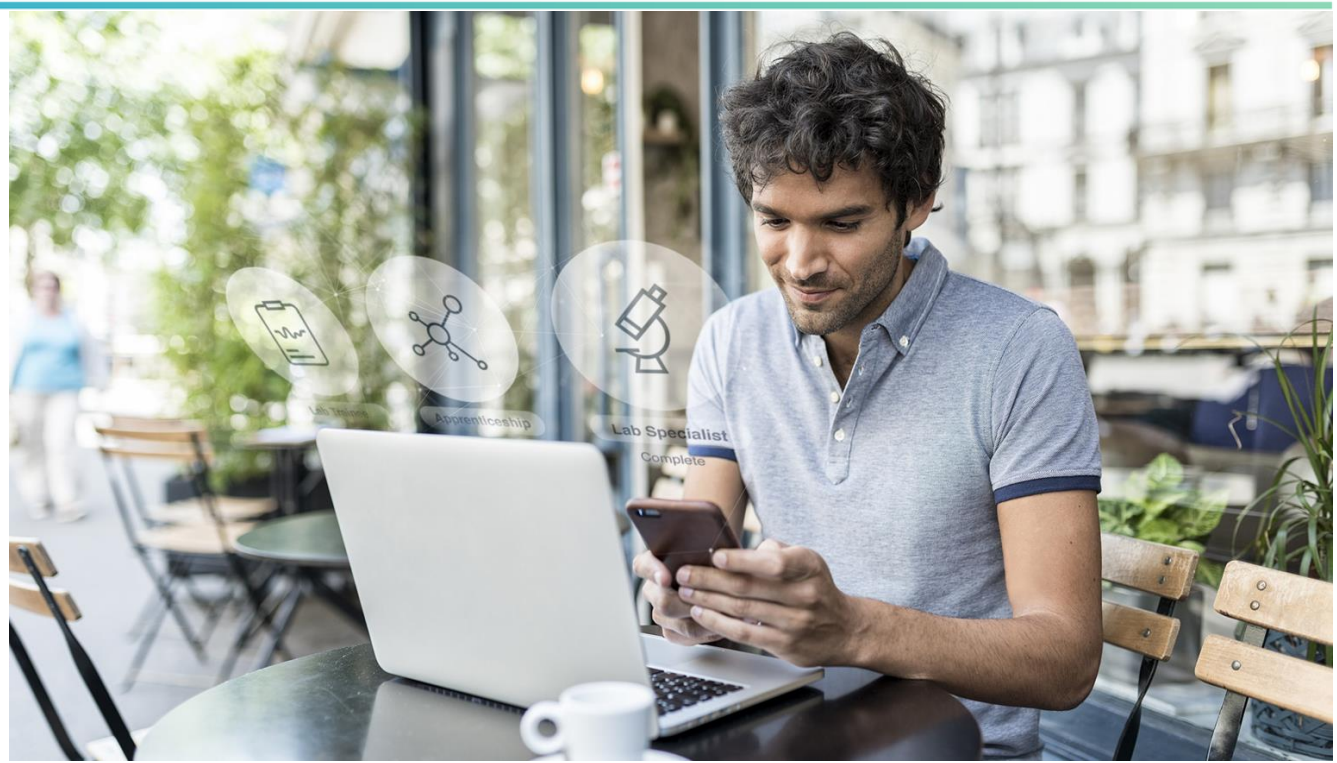
Virtual Soft-Skills
Development (Empathy, Grit,
Emotional Intelligence,
adaptability)

Where does blockchain fit in? Decentralized credentialing

LEARNING MACHINE

Secure platform for issuing educational records

Format is tamper proof, recipient owned, and independently verifiable



Blockchain is not...

...the solution to all the world's problems,

but it could help provide more transparency and shared ownership to how we track and measure educational achievements.

Let’s talk more!

Website: TechChange.org

Email: nick@techchange.org

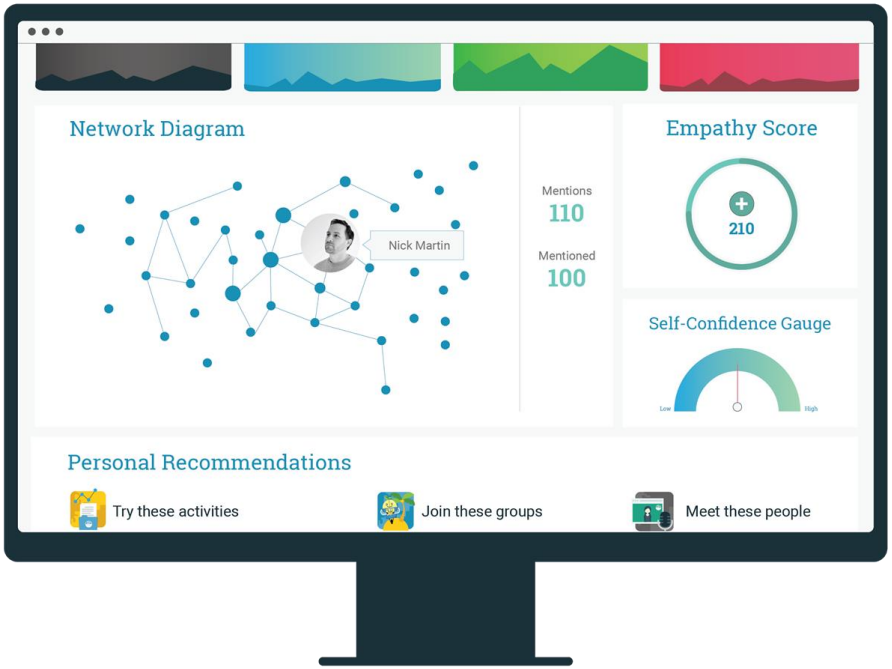
Blockchain case studies

WFP Blockchain Against Hunger: Harnessing Technology in Support of Syrian Refugees

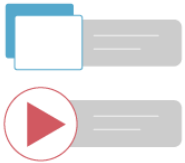
http://bit.ly/WFPcasestudy

Not just hard skills…

Let’s track and develop what also matters: empathy, self-confidence, grit, emotional intelligence…



The majority of online learning can be reduced to these six interaction types



Linear, self-paced slide-based and video content

Learner profiles

Discussion boards and forums

Webinars

Massive Open Online Courses (MOOCS)

Multiple choice quizzes