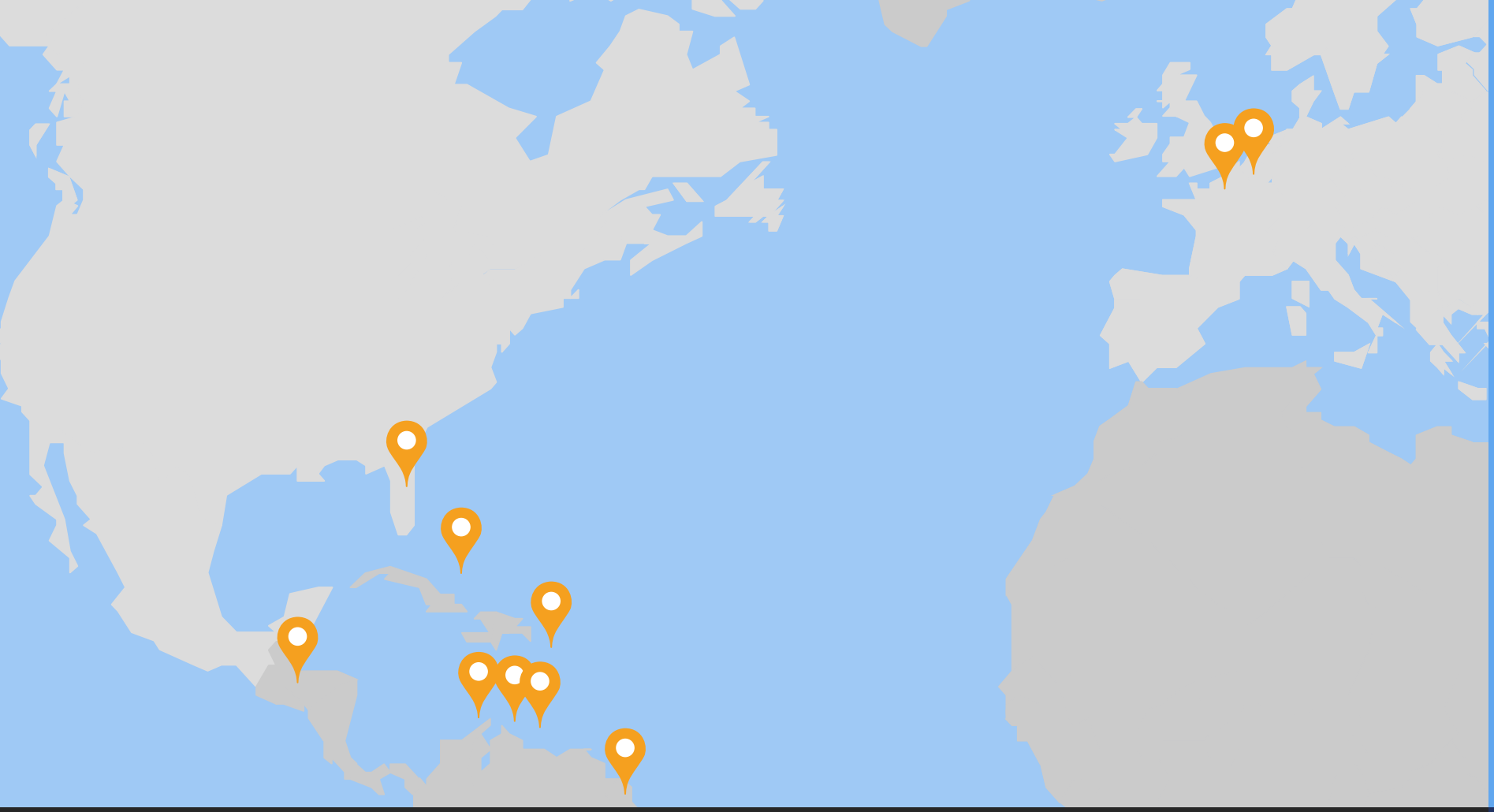
RIDING THE WAVE OF INFORMATION TECHNOLOGY



SINCE 1992
WE BUILD AND MANAGE SOFTWARE SOLUTIONS

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it solutions

WHY YOU SHOULD TALK TO US…

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subscriber experience
VAS provisioning & charging
mobile financial services

DECOS

| PAPERLESS DIGITAL WORKPLACE
| DOCUMENTS & WORKFLOWS

IBM Cognos Analytics

Business Intelligence

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ARE YOU READY?

DATABASE WITH SPECIAL ABILITIES

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WHAT IS A BLOCKCHAIN?

A database with special abilities!

1. **Distributed network of database clones**
2. **Uses cryptography to**
   - Secure access & identity of authors
   - Ensure committed records cannot be tampered with

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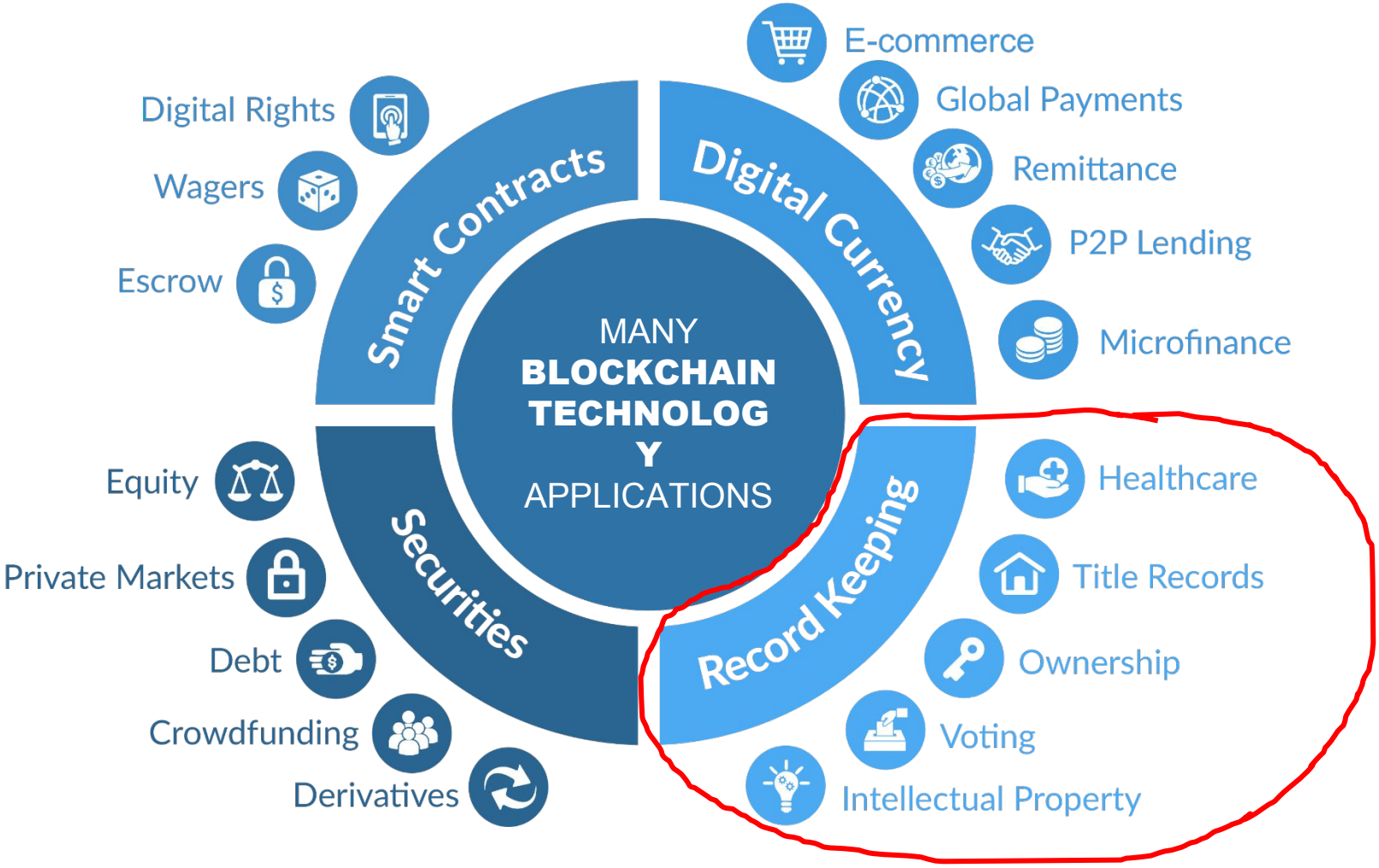
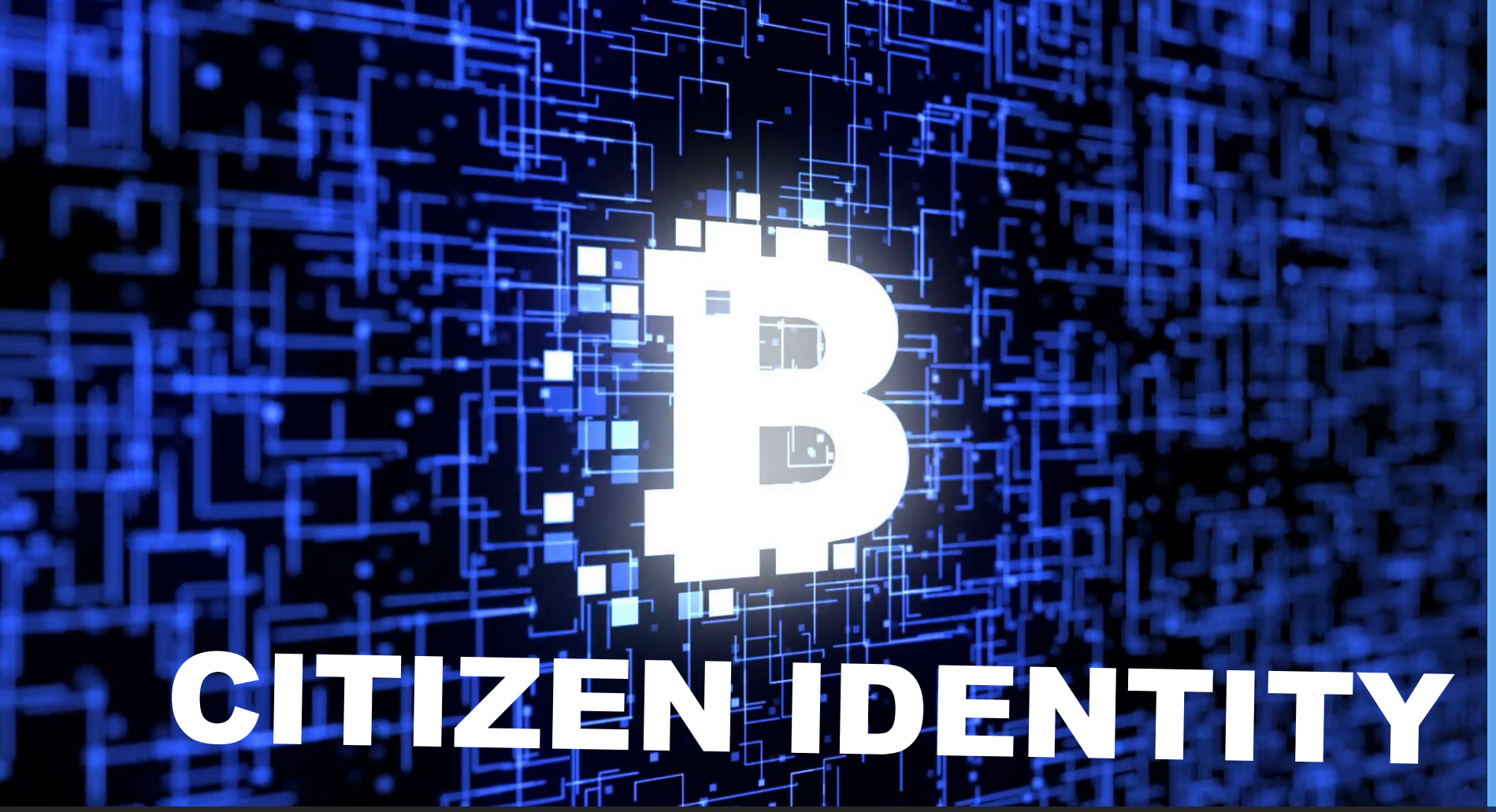
SHORT VIDEO ON BLOCKCHAIN


MANY
BLOCKCHAIN
TECHNOLOG
Y
APPLICATIONS
Smart Contracts
Digital Currency
Securities
Record Keeping
Digital Rights
Wagers
Escrow
E-commerce
Global Payments
Remittance
P2P Lending
Microfinance
Equity
Private Markets
Debt
Crowdfunding
Derivatives
Healthcare
Title Records
Ownership
Voting
Intellectual Property

WHAT ELSE?



CITIZEN IDENTITY

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- birth certificate
- Proof of Citizenship
- baptism certificate
- Pasport
- Country ID
- Kindergarten diploma
- Register for school
- Sports clubs
- Bank account
- Driver license
- Car registration
- Land & Home
- Taxes
- Health care
- Etc etc

CITIZEN DOCUMENTATION

INTERNET CITIZENS

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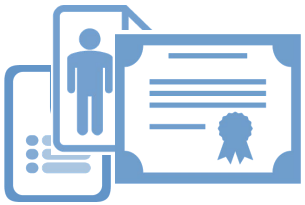
BUILDING IDENTITY



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LET'S REVIEW
IDENTITY RECORDS OF CITIZENS

Citizen?

- Person belonging to a community
- As a member entitled to rights and privileges and owing allegiance to it
- Requires: record of membership to

Users of citizen records

- Governments and its institutions
- Big Businesses (e.g. Banks; Telcos; Utility, Insurance)
- Small Business (e.g. Clubs; Schools; Venues)
- Other citizens

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LET'S REVIEW
IDENTITY RECORDS OF CITIZENS

WHAT'S THE CHALLENGE?

- **Hard copy**
  - Lost, expire, break
- **In consistencies**
  - Name, marital status
- **Privacy**
  - Marital status
  - Nationality
  - Date and place of birth
- **Ownership**
  - create, change, terminate

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CONSIDERATIONS

WOULDN'T IT BE GREAT IF...

- No hard copy
- Automatically up-to-date and consistent
- You decide who can see what and when
- You always own your records

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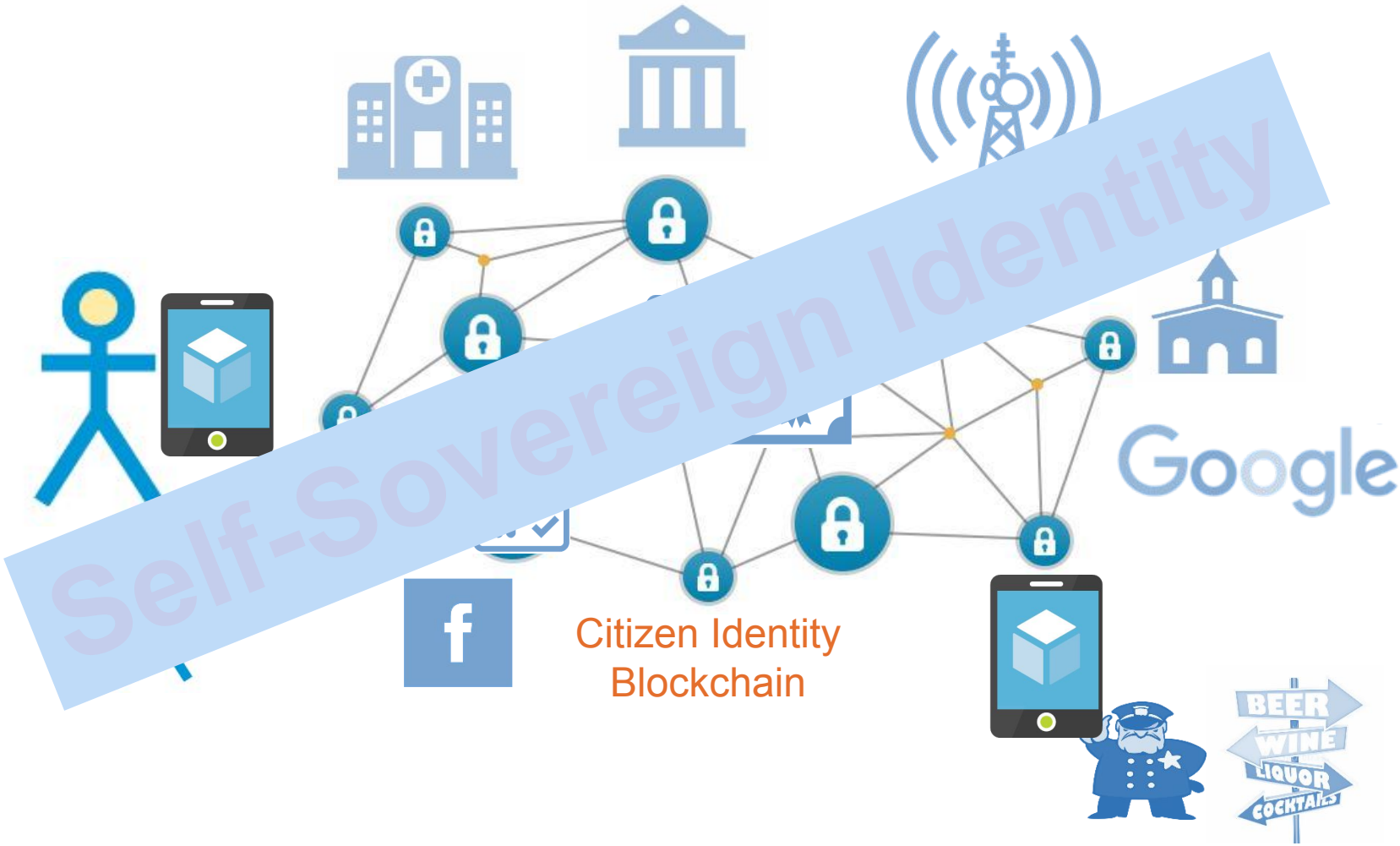
CITIZEN IDENTITY ON BLOCKCHAIN

HOW COULD IT WORK?



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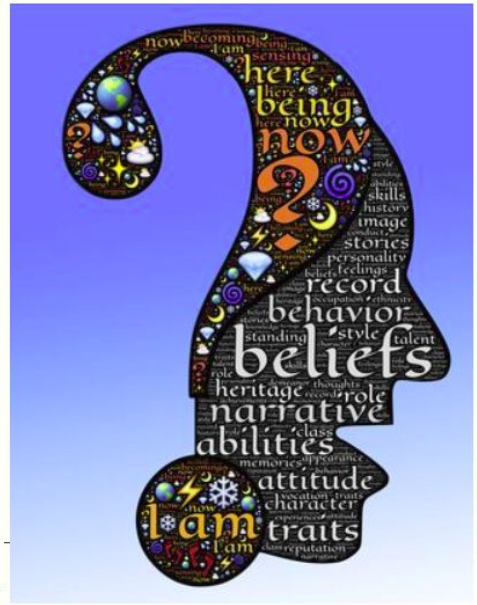
The Path to Self-Sovereign Identity

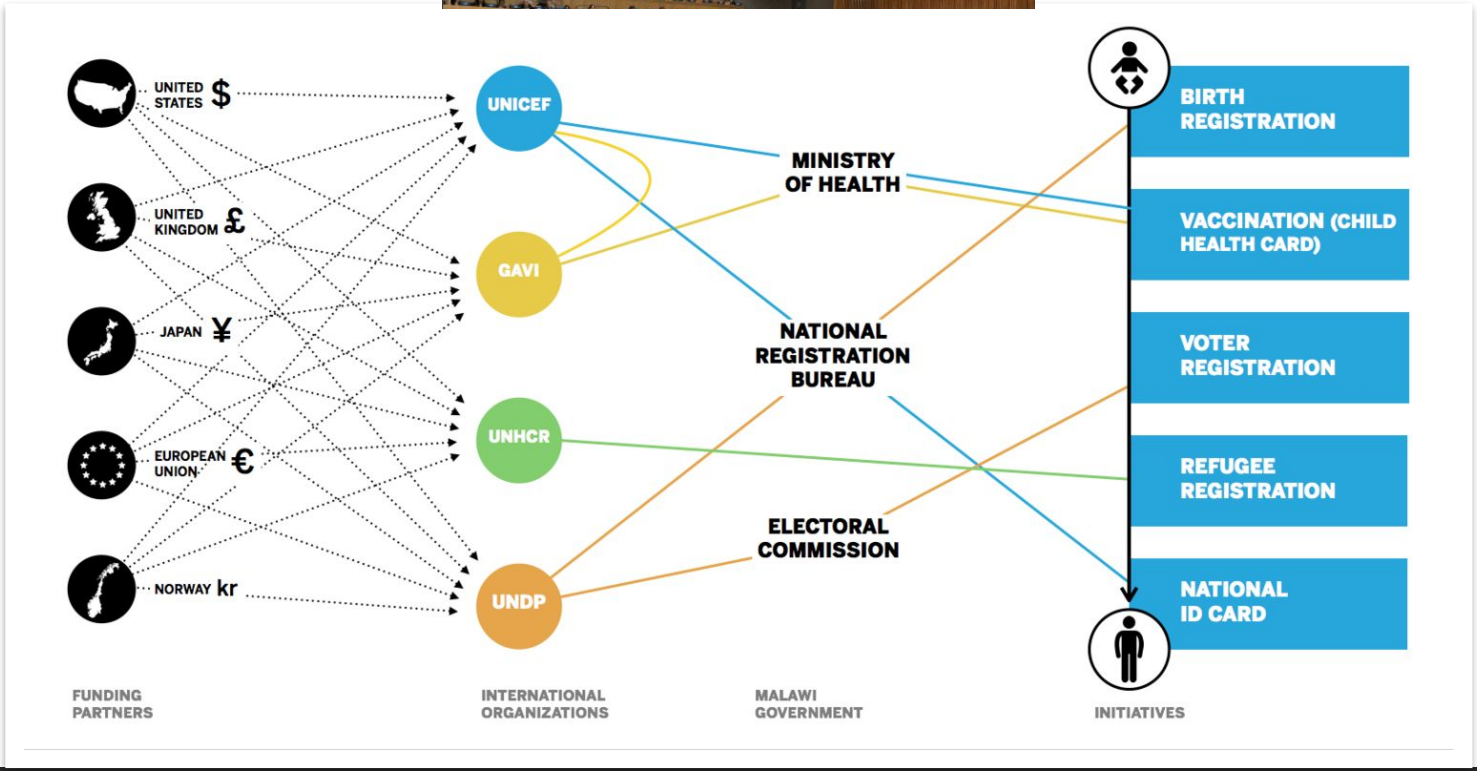
April 25 2016 - 4200 Words
by Christopher Allen



Today I head out to a month-long series of events associated with identity: I'm starting with the 22st (!) Internet Identity Workshop next week; then I'm speaking at the blockchain conference Consensus about identity; next I am part of the team putting together the first ID2020 Summit on Digital Identity at the United Nations; and finally I'm hosting the second #RebootingWebOfTrust design workshop on decentralized identity.

At all of these events I want to share a vision for how we can enhance the ability of digital identity to enable trust while preserving individual privacy. This vision is what I call "Self-Sovereign Identity".

http://bitly.com/PathSelfSovereign



http://id2020.org

CITIZEN IDENTITY ON BLOCKCHAIN

ROLE FOR TELECOM

- Storage records and claims of identities in a distributed yet connected system
- Access through personal telecom devices
- Information exchange through telecom networks

HOW WILL YOU RESPOND?

ARE YOU READY FOR BLOCKCHAIN?

Geraume L.R. Bor, MSc
Chief Technology Officer
at Ictual N.V.

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Riding the wave of
Technology...