# VERIFIABLE CREDENTIALS ECOSYSTEM FOR LIFELONG LEARNING AND EMPLOYMENT

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# HOW TECHNOLOGY IS DISRUPTING EDUCATION MODELS



### ONLINE LEARNING

Digital, accessible from any location



### INTERACTIVE CLASSROOMS

Personalised content, real time feedback



### VIRTUAL TEACHING

Remote learning from global experts



### MOOCs

Large scale, low cost. Short form credentials



### MULTISTEP ACCREDITATION

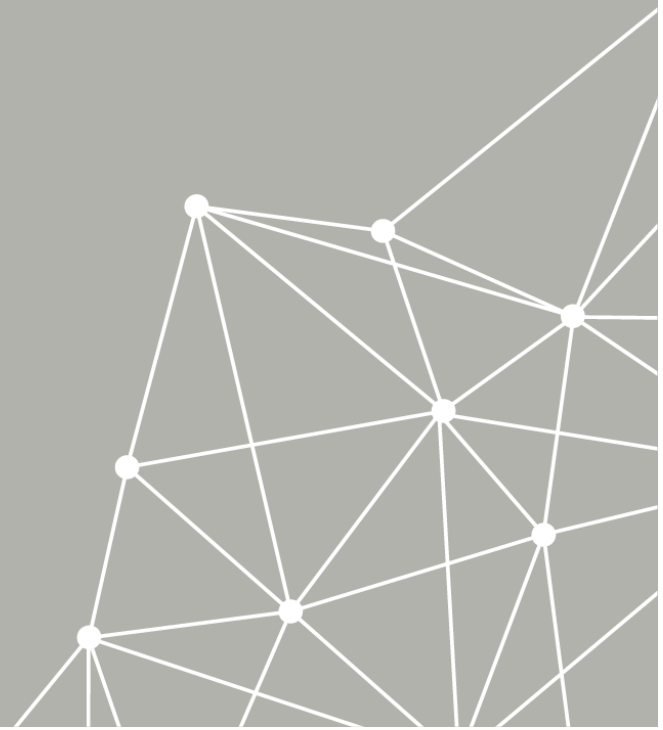
Combining micro credentials and pathways



### LIFELONG LEARNING

Response to rapid economic and technological disruption

# CREDENTIAL FUNDAMENTALS



- Play an essential role in society
- Convey information about an individual or entity
- Confirm an ability, achievement, authority or status
- Granted by a recognised authority

# ESTABLISHING TRUST

### NO FAKES



Issued by the correct authority

### NO FORGERIES



No data tampering

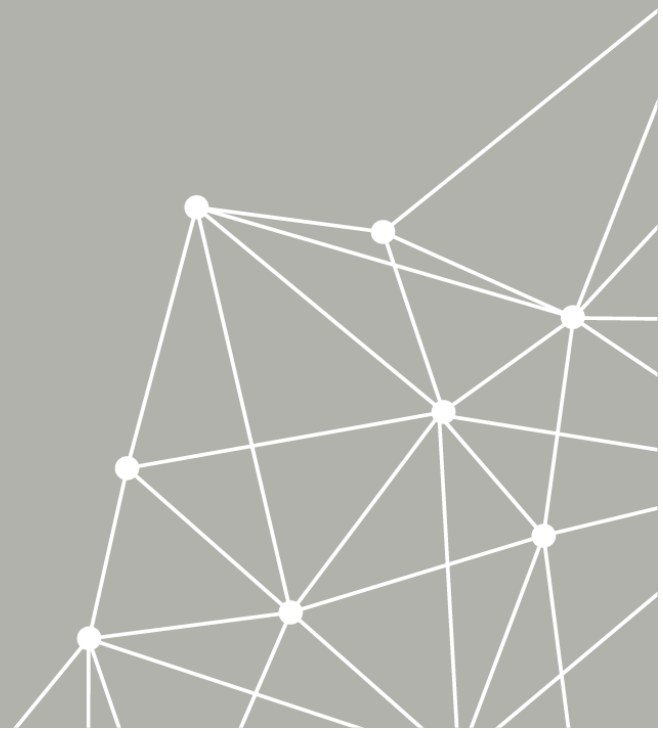
### NO IDENTITY THEFT



Presented by the original holder

# VERIFIABLE CREDENTIALS

## A NEW CLASS OF CREDENTIALS



- Developed by W3C (World Wide Web Consortium)
- Open standards, technology will be embedded into web browsers and mobile devices
- Establishes a ‘Trust Framework’ for digital transactions
- Uses Distributed Ledger Technology (DLT) no personal details stored on chain
- Enables ‘Self Sovereign Identity’ enabling personal control and minimal disclosure

# VERIFIABLE CREDENTIALS MODEL



ISSUER



HOLDER



VERIFIER



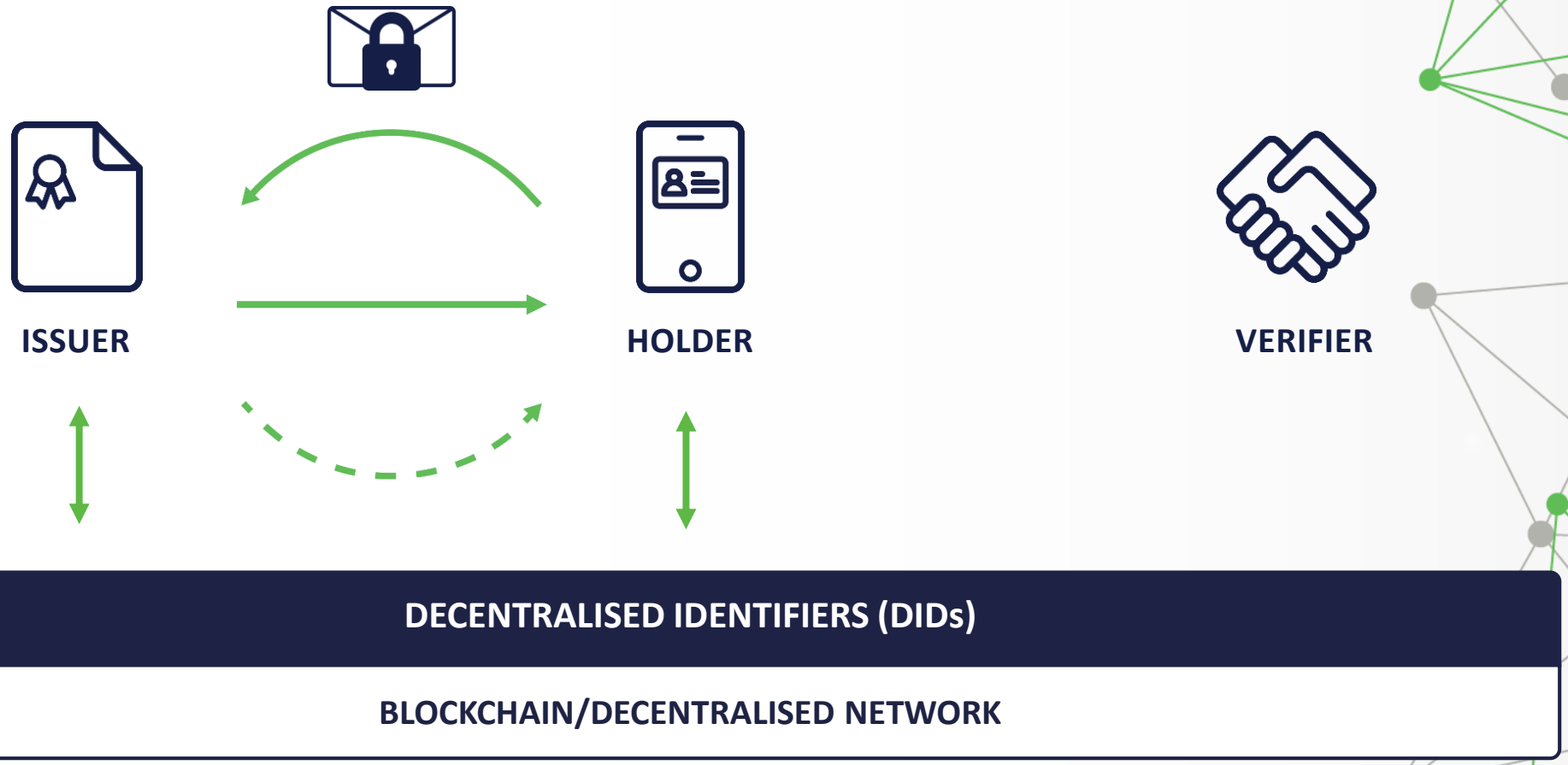




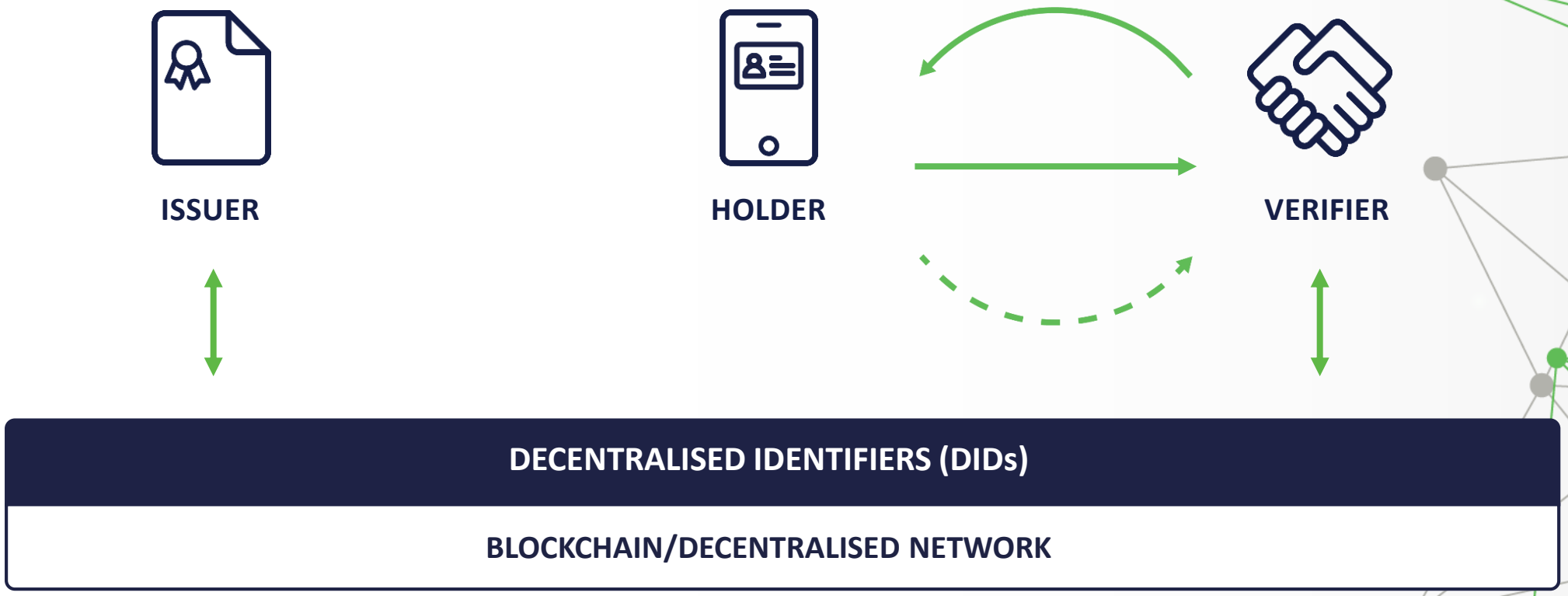
DECENTRALISED IDENTIFIERS (DIDs)

BLOCKCHAIN/DECENTRALISED NETWORK

# VERIFIABLE CREDENTIALS MODEL

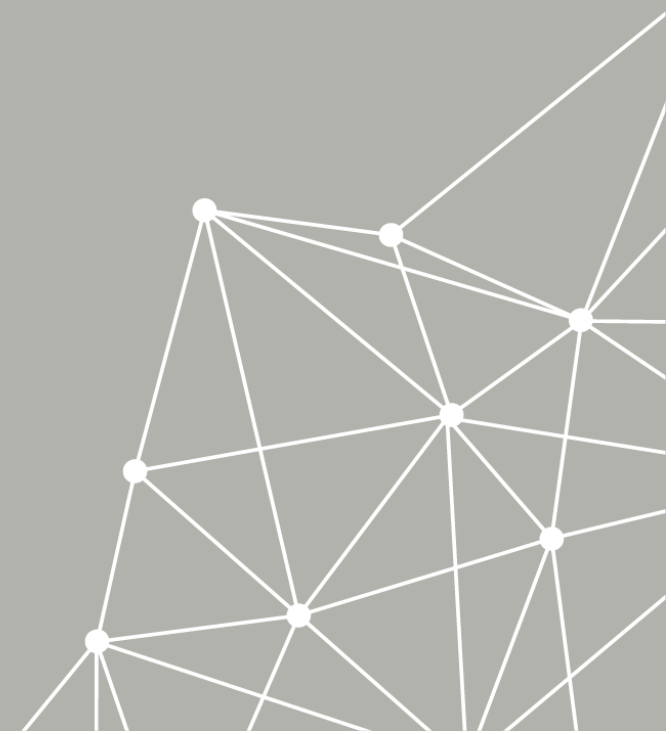


# VERIFIABLE CREDENTIALS MODEL



# VERIFIABLE CREDENTIALS

## CORE FEATURES



- Proof of issuing authority and holder embedded into credential
- Cryptographically tamperproof
- Protects personal identity - GDPR compliant
- Eliminates need for back to base verification
- Revocable, scalable & cost efficient

# NEXT STEPS

- Establish governance models and Taxonomy
- Collaboration with Higher Education Services
- TAC initiative to issue ATAR 2020 to school leavers in digital wallet
- Sector and broader engagement

