



EUROFILING CONFERENCE

17-18-19 JUNE 2019

LEI AND DIGITAL VERIFIABLE CREDENTIALS

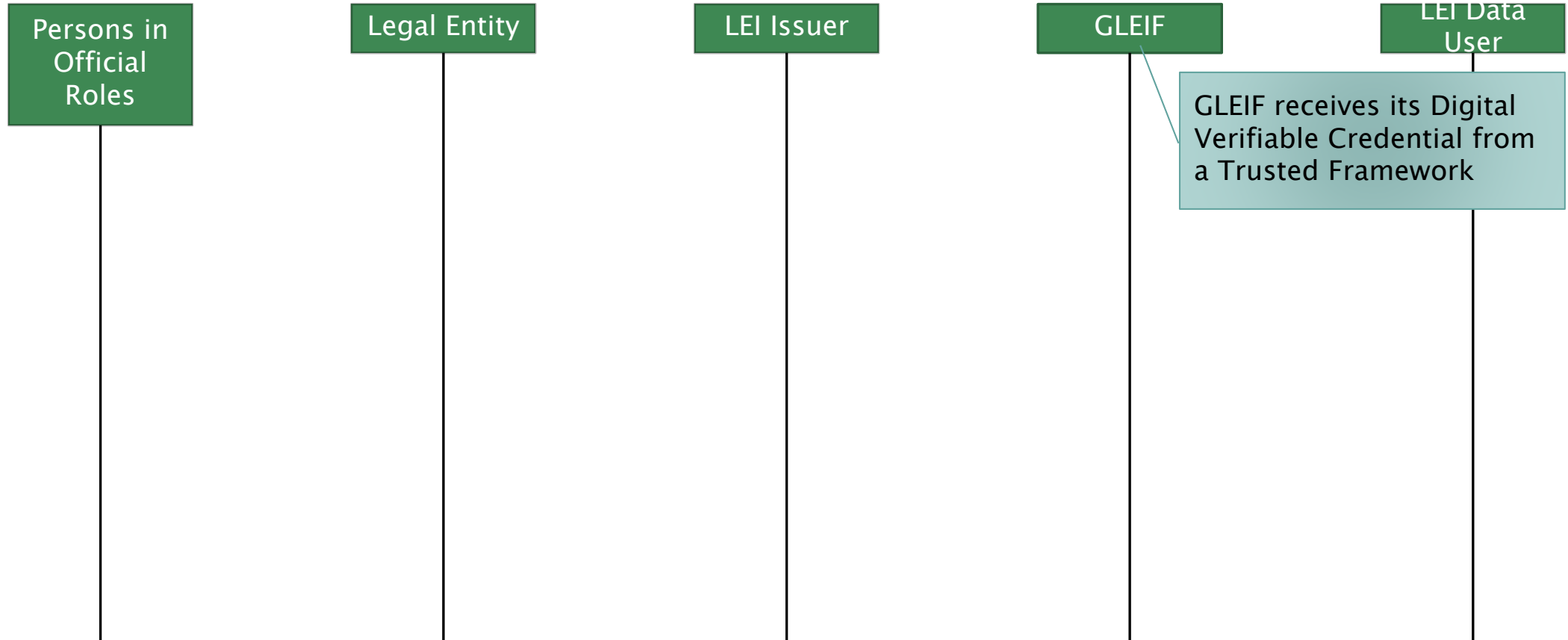
KARLA MCKENNA
HEAD OF
STANDARDS, GLEIF

Frankfurt, 18th June 2019

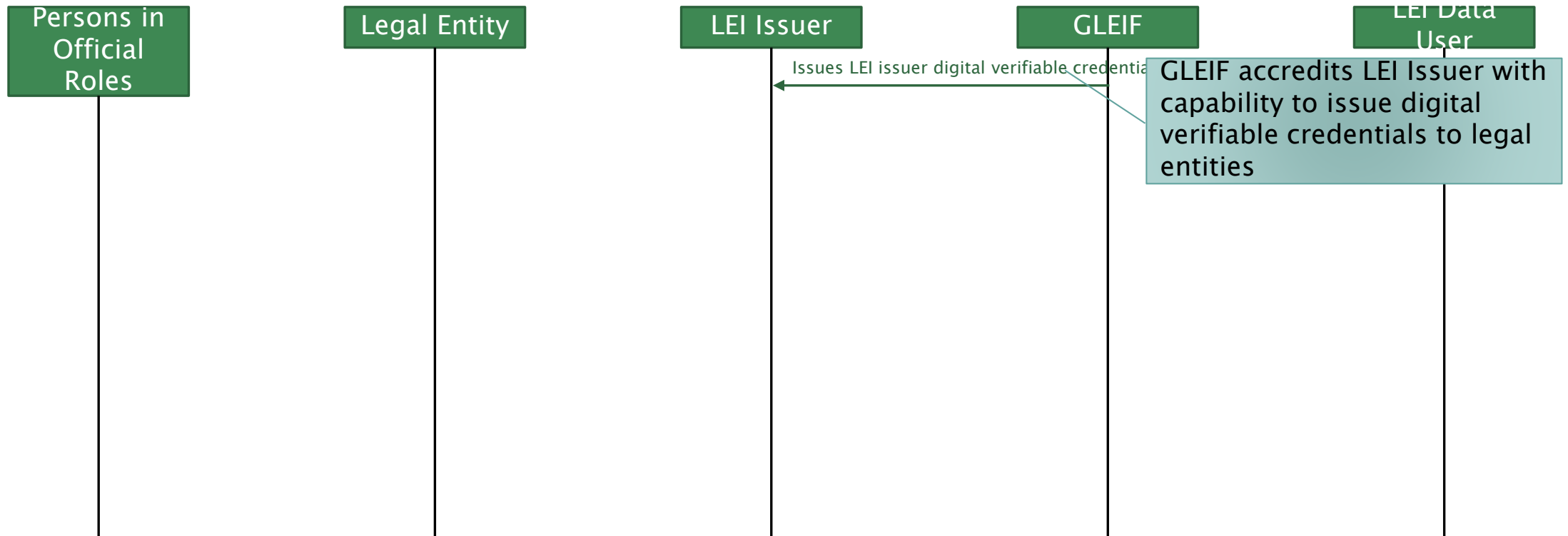
LEI IN THE DIGITAL WORLD

- The LEI can have relevance in the digital world by leveraging the strength of the LEI to provide unique and permanent global identification of organizations/businesses
- One effort is to combine the strengths of the LEI and digital certificates (the use of the LEI and digital certificates and the GLEIF 2018 Annual Report filed in inline XBRL)
- The effort presented today leverages the use of the LEI in digital verifiable credentials
- Digital verifiable credentials are defined as the format for interoperable, cryptographically-verifiable digital credentials being defined by the W3C standards organization (Verifiable Claims Working Group)
- GLEIF proposes to demonstrate this technique for automated issuance and verification of organizations having LEIs and using LEIs
- GLEIF is conducting a Proof of Concept that will will produce digital verifiable credentials and prove identity (based on the LEI) cryptographically recorded on a distributed ledger (blockchain)
- The POC will allow verification of identity both of legal entities having LEIs and for persons in their official roles within these legal entities
- GLEIF, being blockchain agnostic, will conduct POCs in both Ethereum and Hyperledger Indy blockchains

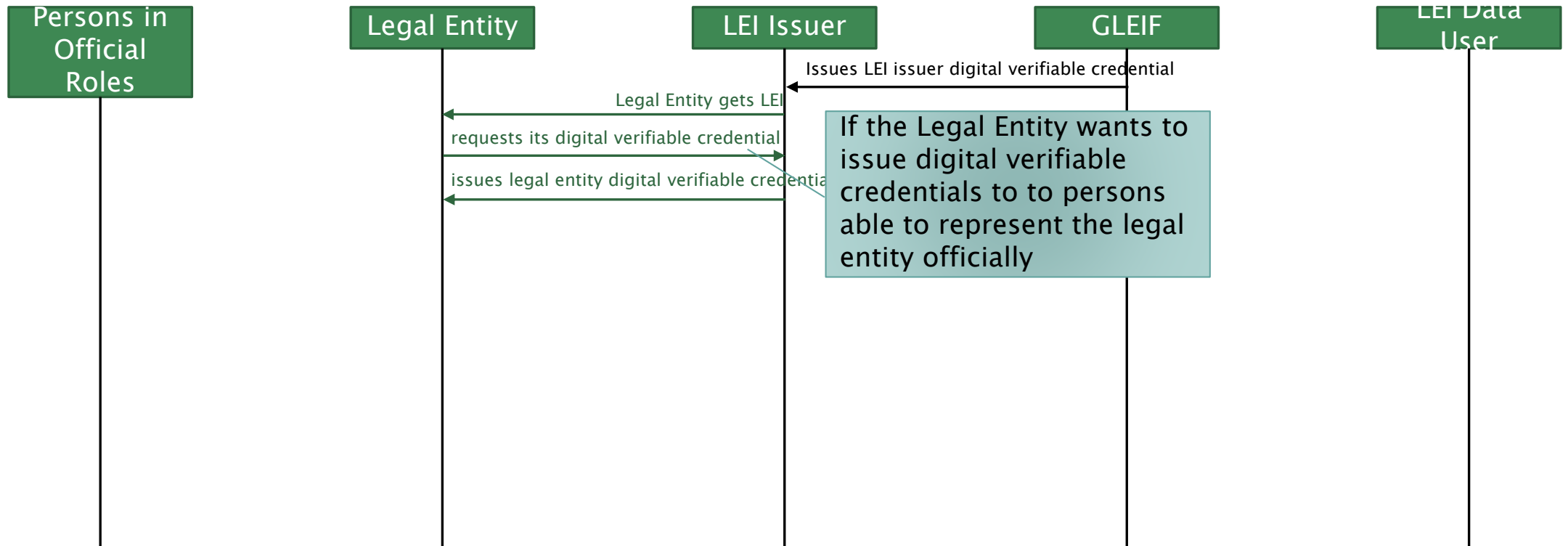
PROCESS OF ISSUING AND VERIFYING DIGITAL VERIFIABLE CREDENTIALS 1/7



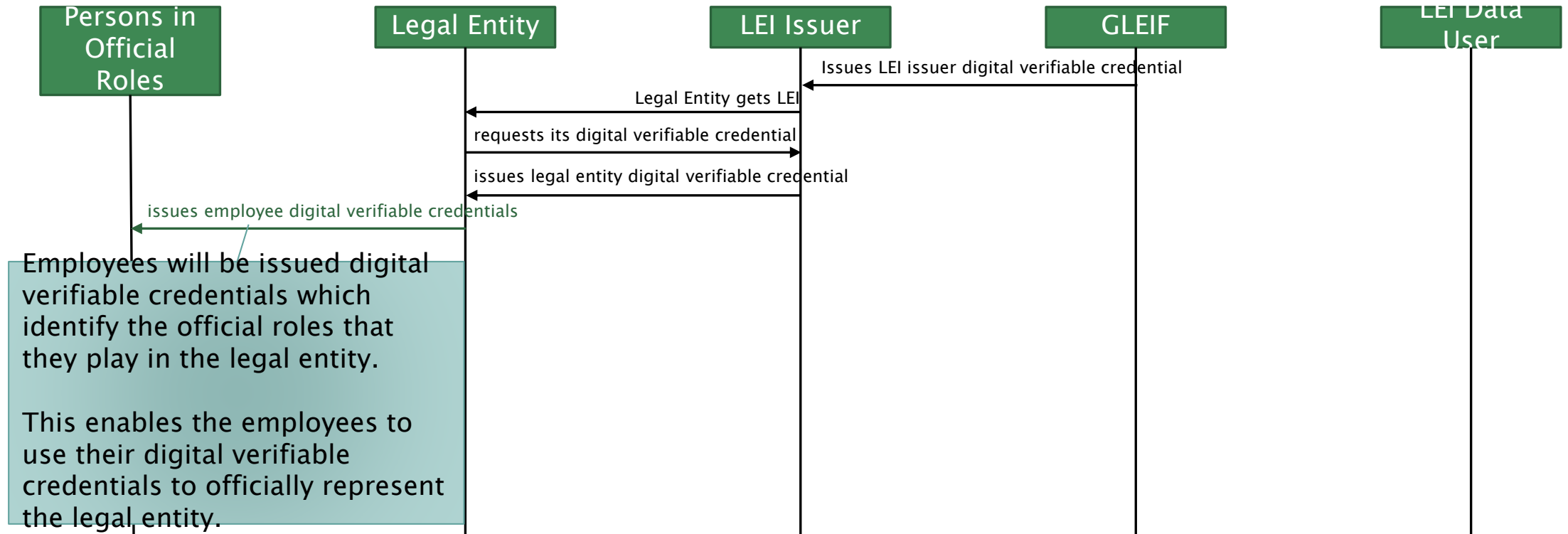
PROCESS OF ISSUING AND VERIFYING DIGITAL VERIFIABLE CREDENTIALS 1/6



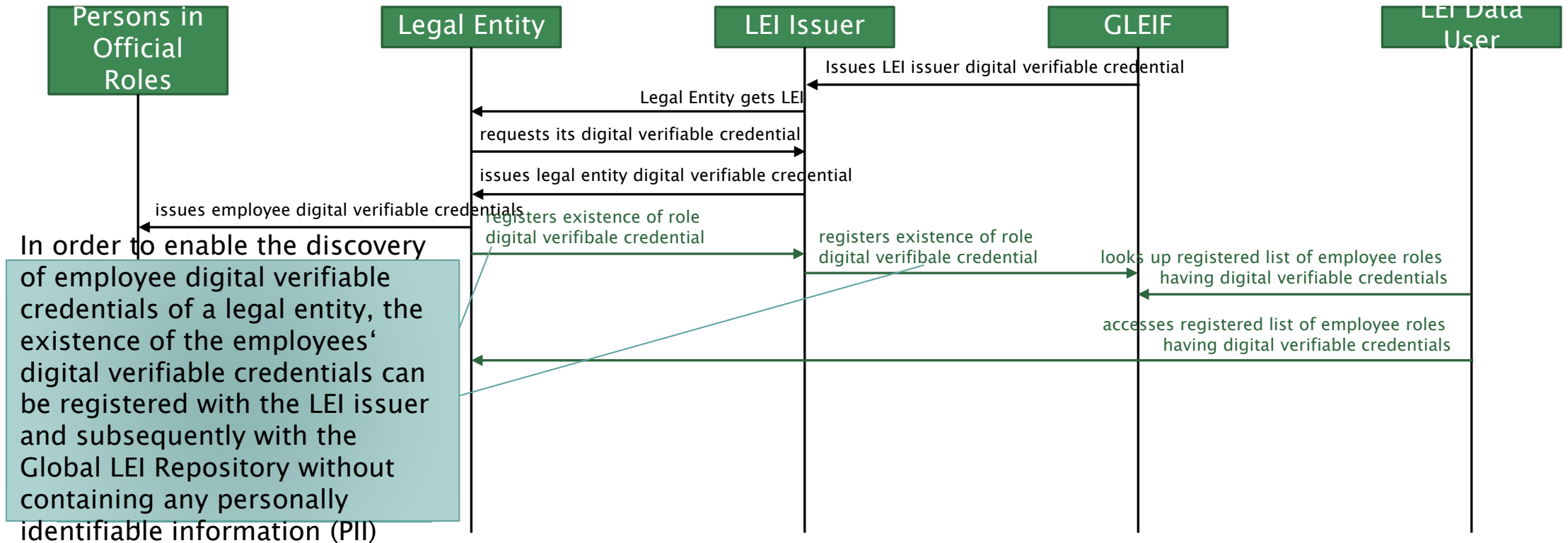
PROCESS OF ISSUING AND VERIFYING DIGITAL VERIFIABLE CREDENTIALS 2/6



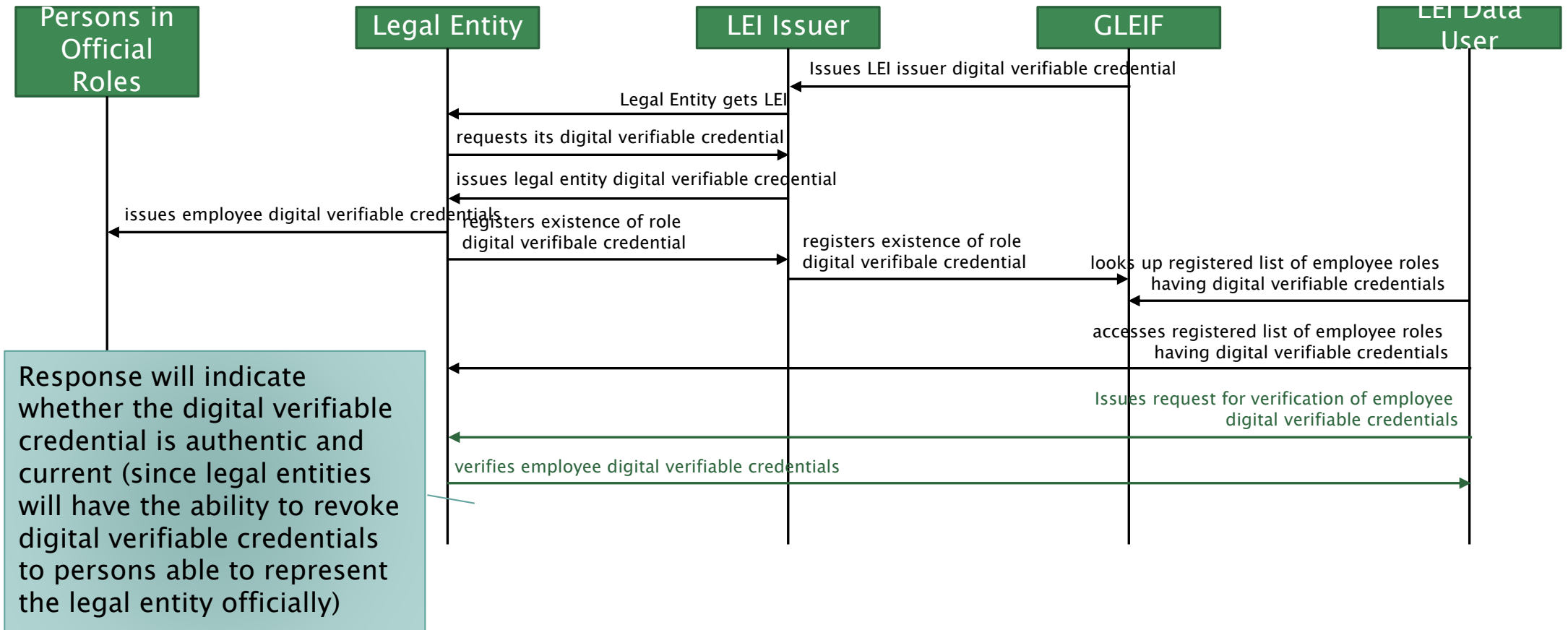
PROCESS OF ISSUING AND VERIFYING DIGITAL VERIFIABLE CREDENTIALS 3/6



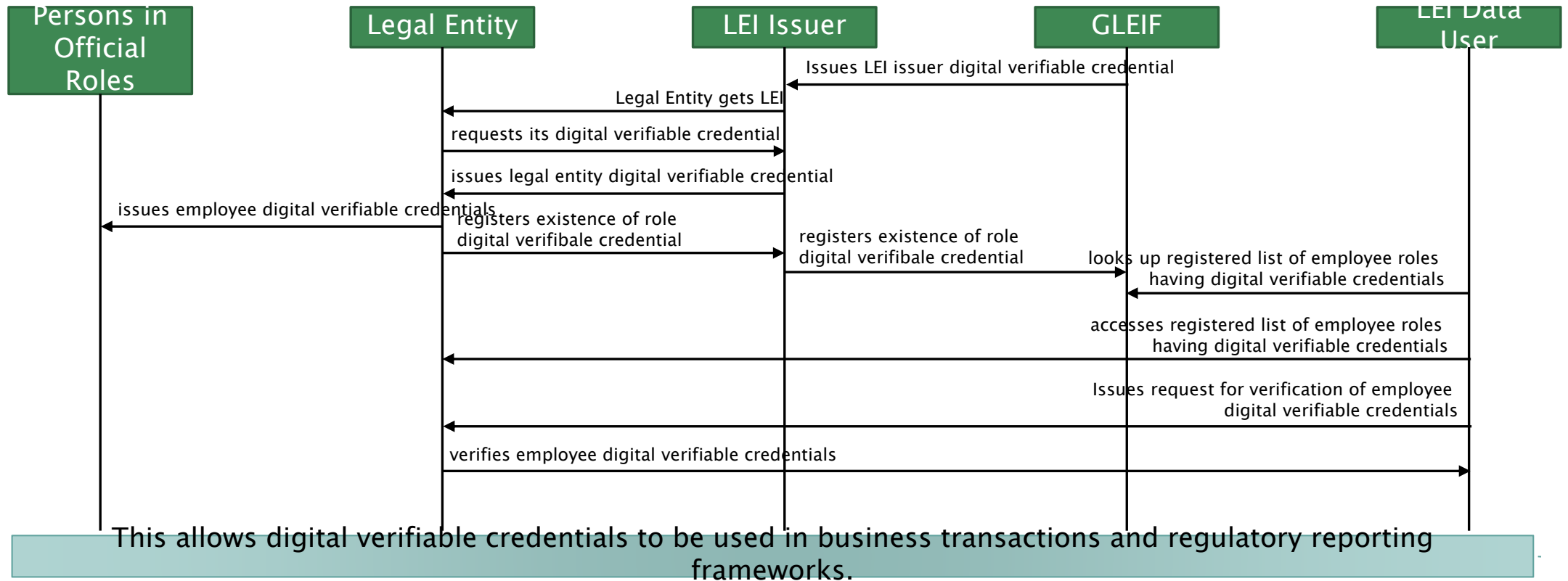
PROCESS OF ISSUING AND VERIFYING DIGITAL VERIFIABLE CREDENTIALS 4/6



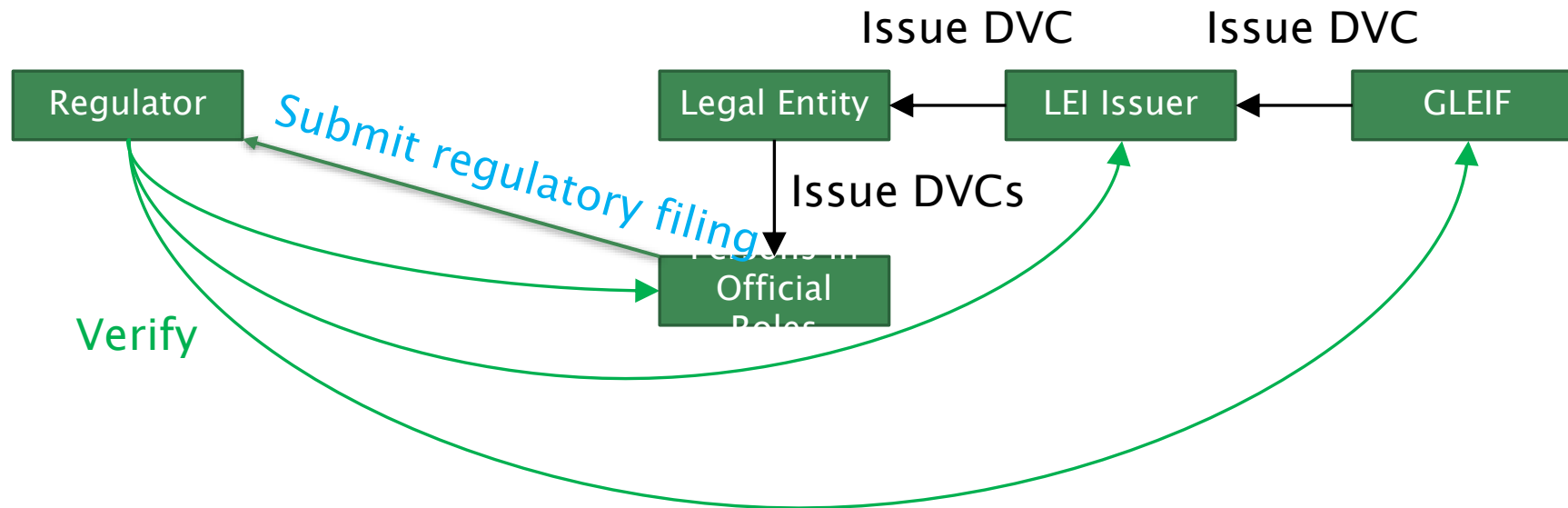
PROCESS OF ISSUING AND VERIFYING DIGITAL VERIFIABLE CREDENTIALS 5/6



PROCESS OF ISSUING AND VERIFYING DIGITAL VERIFIABLE CREDENTIALS 6/6



TARGET USE CASE FOR GLEIF



Regulatory filing with a regulator:

The regulator is able to verify the authenticity of the digital verifiable credentials of persons in official roles, the legal entity and the LEI Issuer.

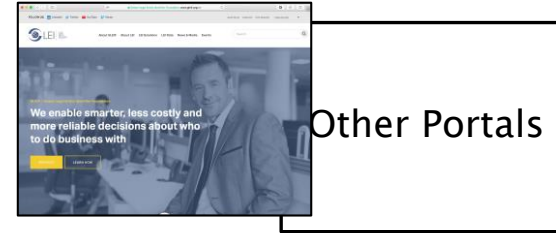


QUESTIONS & ANSWERS

Q&A

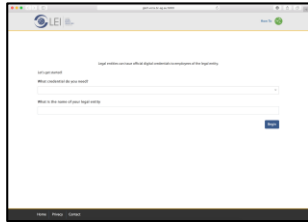
TECHNICAL ARCHITECTURE HYPERLEDGER INDY POC

Look up and Verification of
Digital Verifiable Credentials

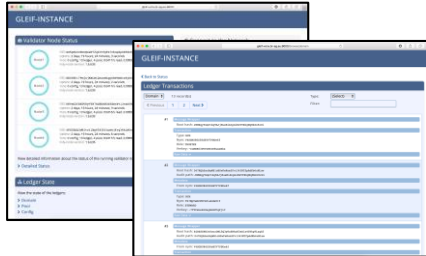


Creation and Revocation of
Digital Verifiable Credentials

Credential Wallets



VON
Verifiable Organizations Network



Configuration and Ledger
Display

