



# Digital Credentials for Europe - DC4EU

Stefan Liström – WP7 lead

240911 – NDN24 conference



Co-funded by  
the European Union

# Agenda topics

Why are we doing this?

What are we doing?

How are we doing it?

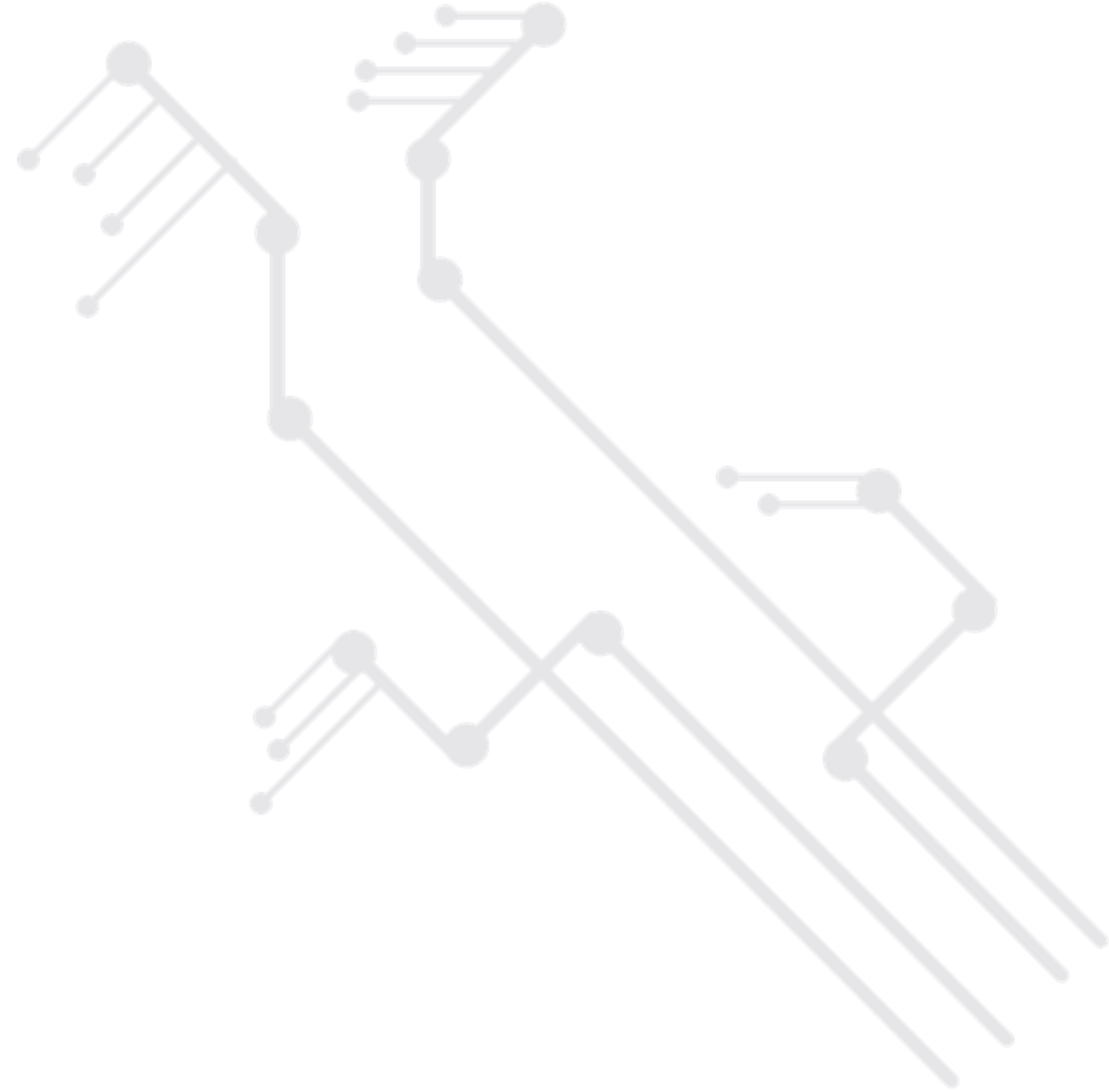
Why do we stand in this jungle?



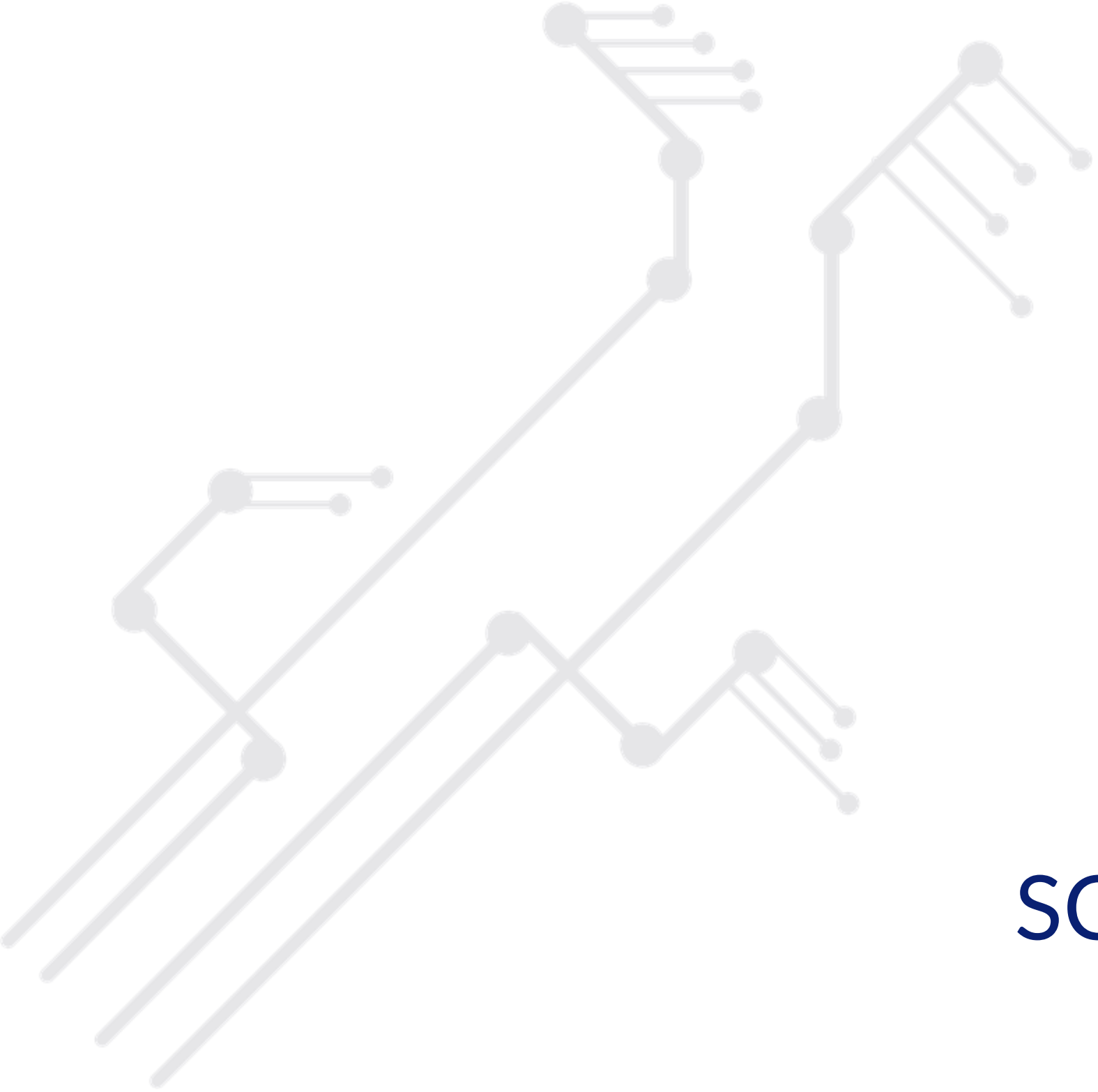
# Why are we doing this?



TRUST



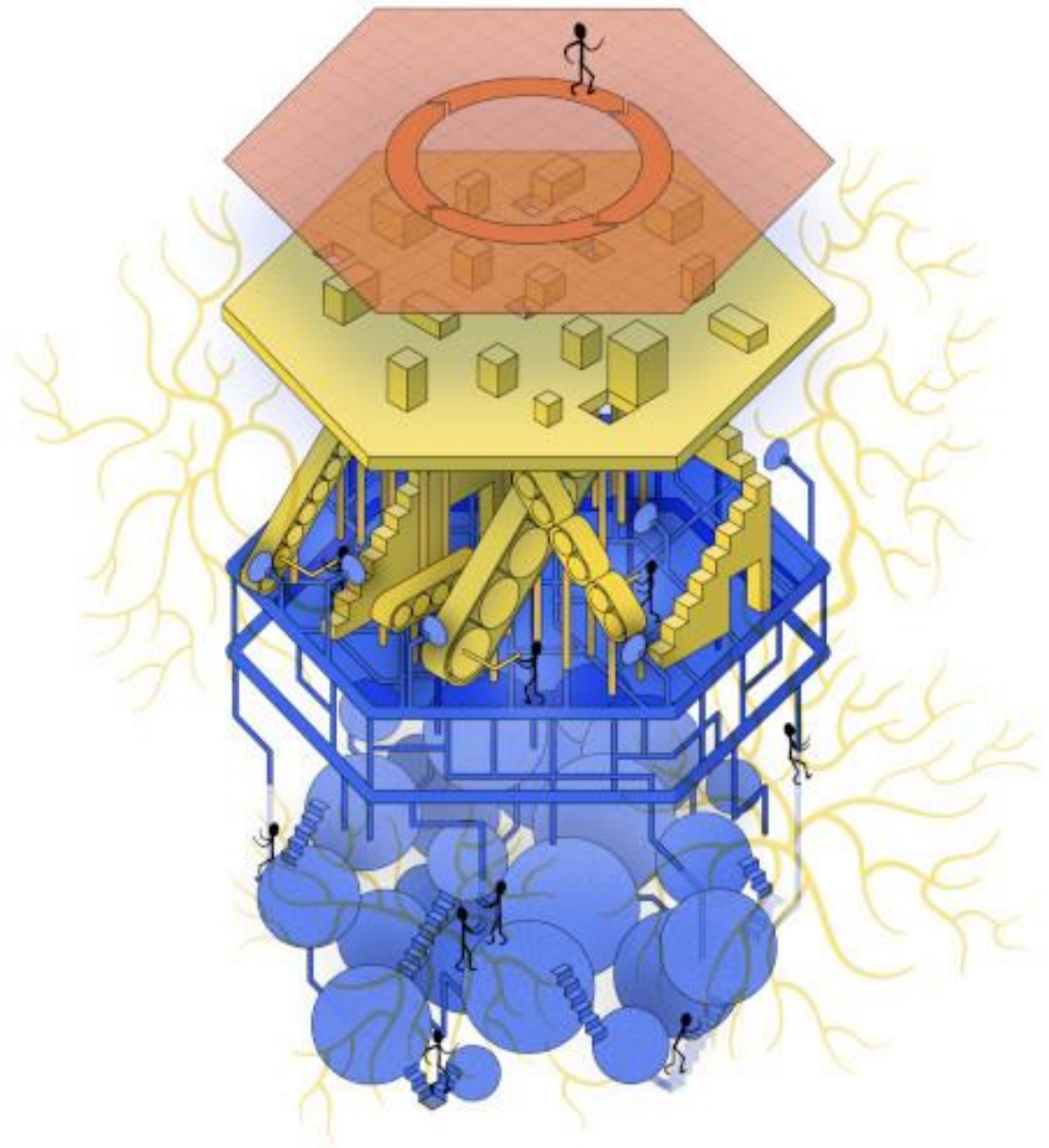
Why are we doing this?



SCALABILITY



# Why are we doing this?



## INTEROPERABILITY



# E-mail interoperability

## **Users & Services**

Sending and receiving emails

## **Organisation & Processes**

Identification, sharing, presenting and storing information

## **Applications & Information**

Servers and clients

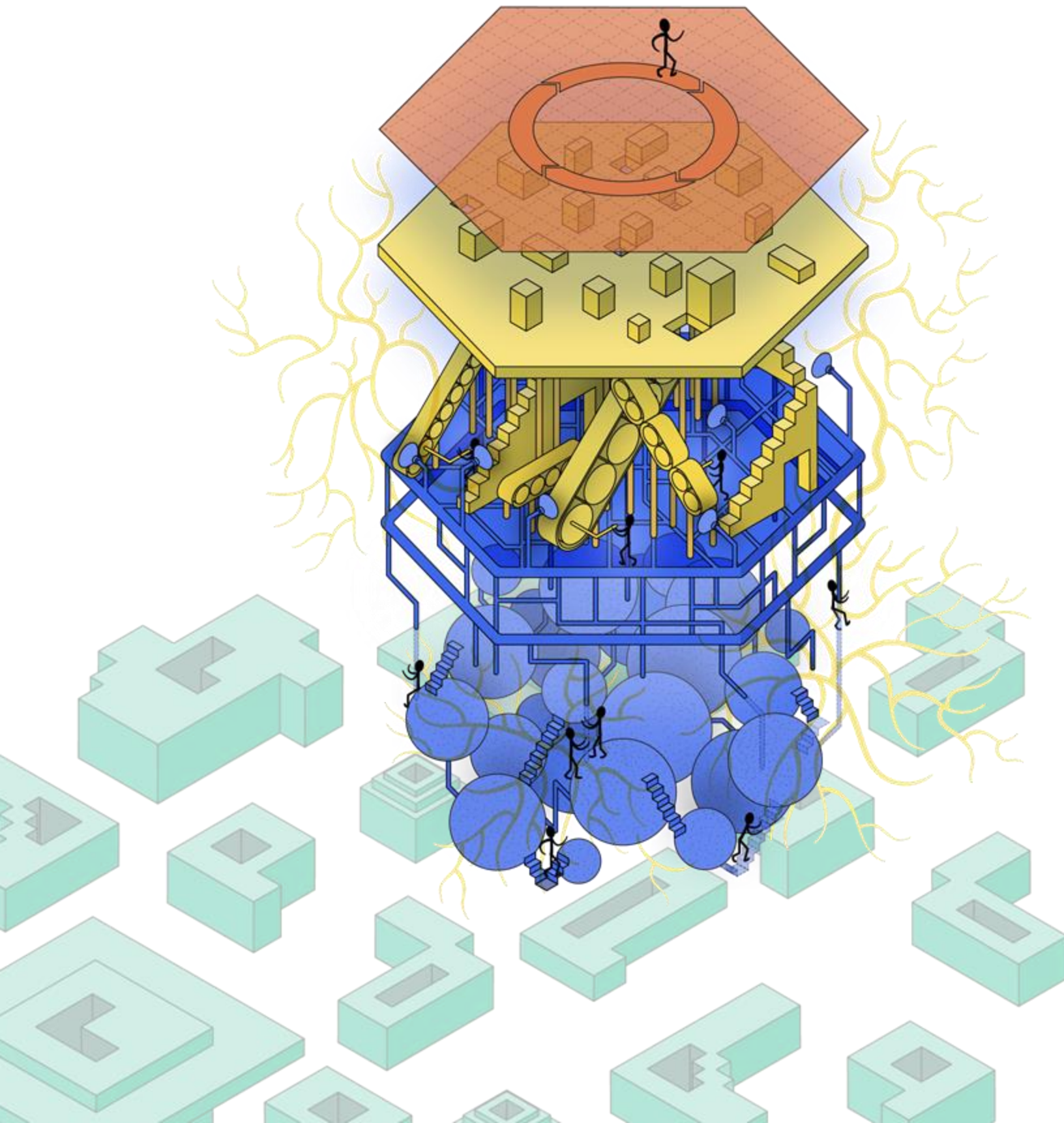
Text messages as emails

## **Standards & Technology**

Content = IMF

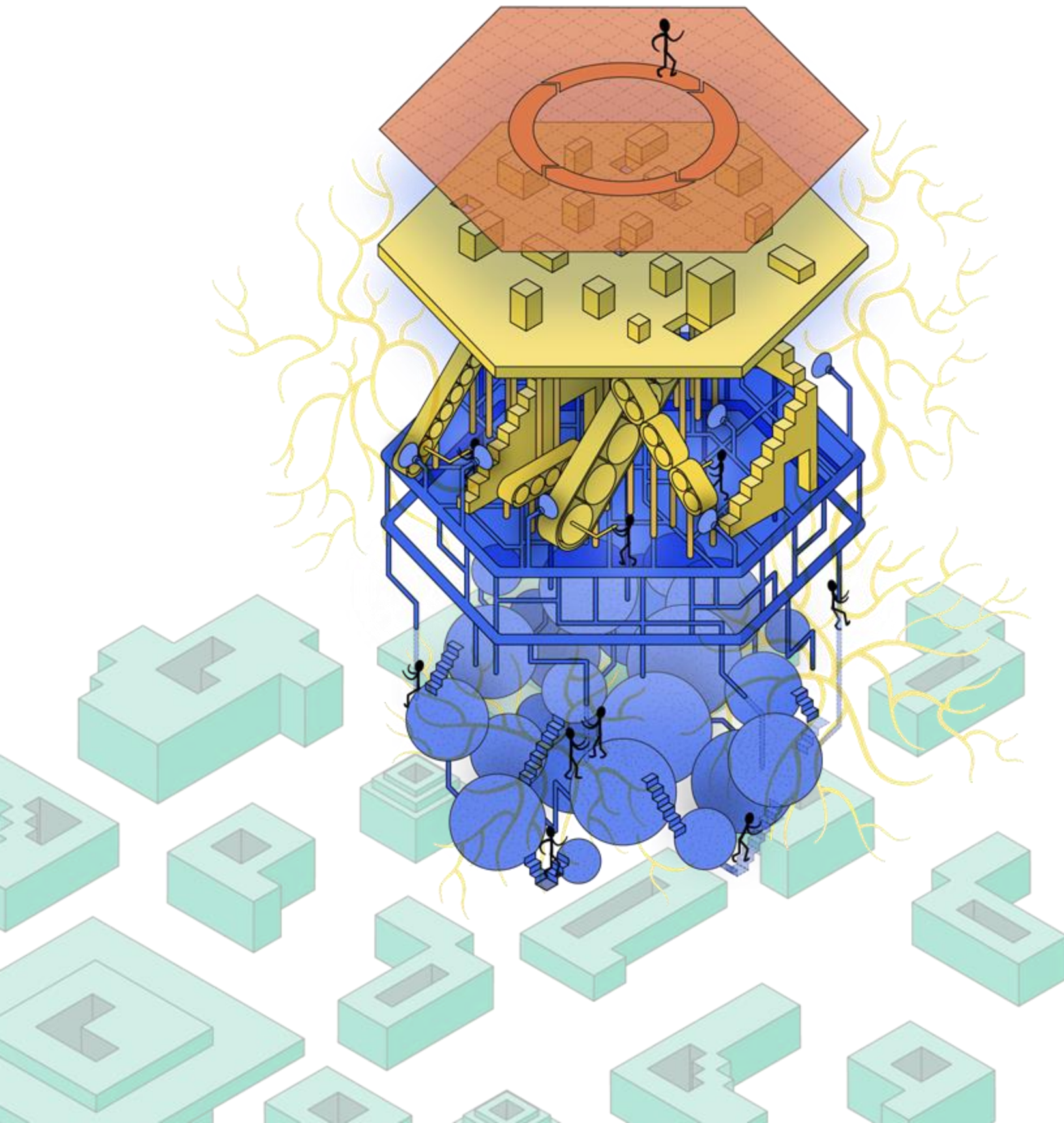
Delivery = SMTP, POP & IMAP

**Governance**  
DNS





# Credential interoperability



**Governance**  
Verifiable Data Registries

## **Users & Services**

Receiving, storing and presenting credentials

## **Organisation & Processes**

Issuing and verifying information

## **Applications & Information**

Issuers, holders & verifiers  
Attributes as credentials

## **Standards & Technology**

Content = E.g. SD-JWT

Delivery = OpenID4VCI & OpenID4VP

# What are we doing?



# What are we doing?

Use cases

## Education

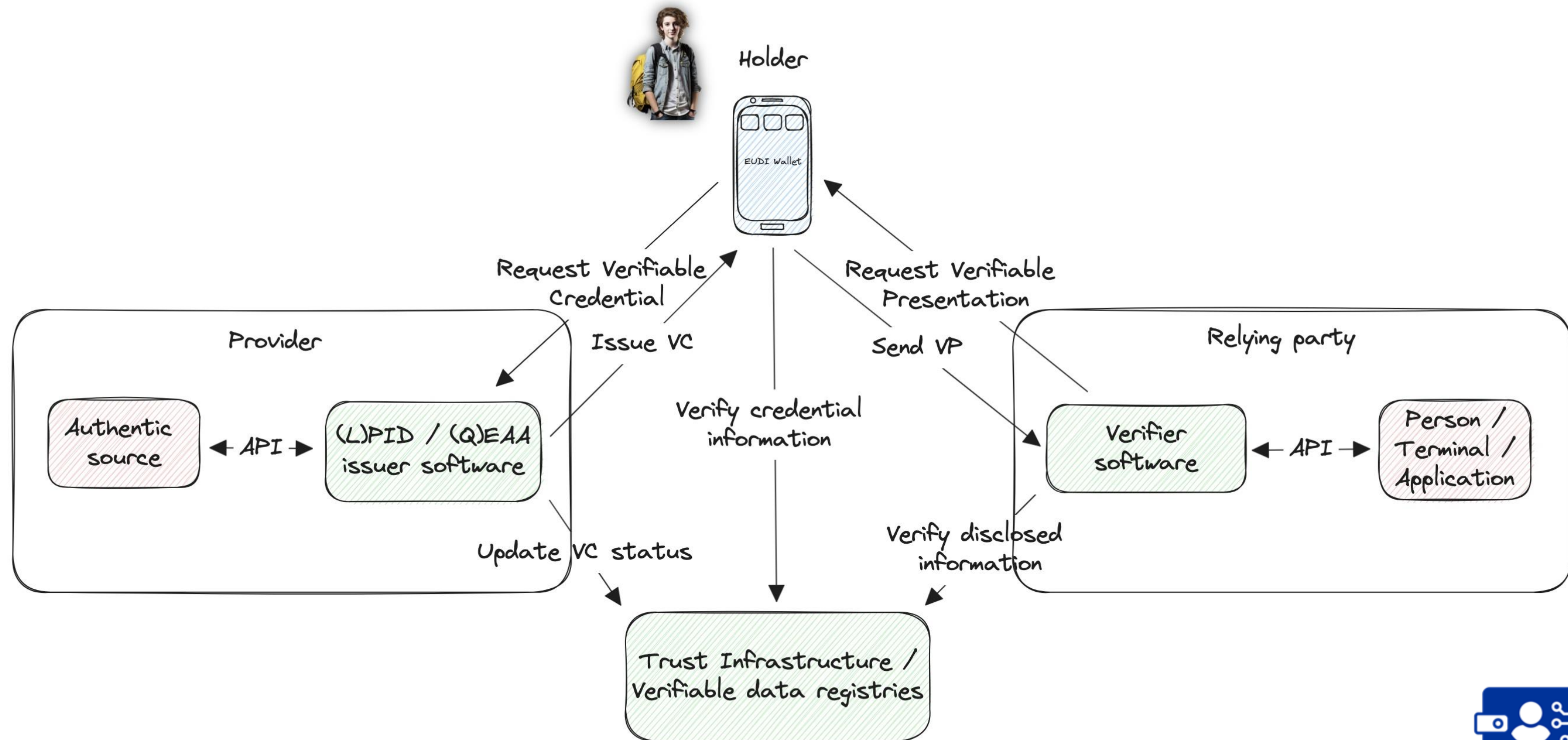
- Educational credentials
- Professional qualifications

## Social security

- Portable document A1
- EHIC

# What are we doing?

## Credential ecosystem

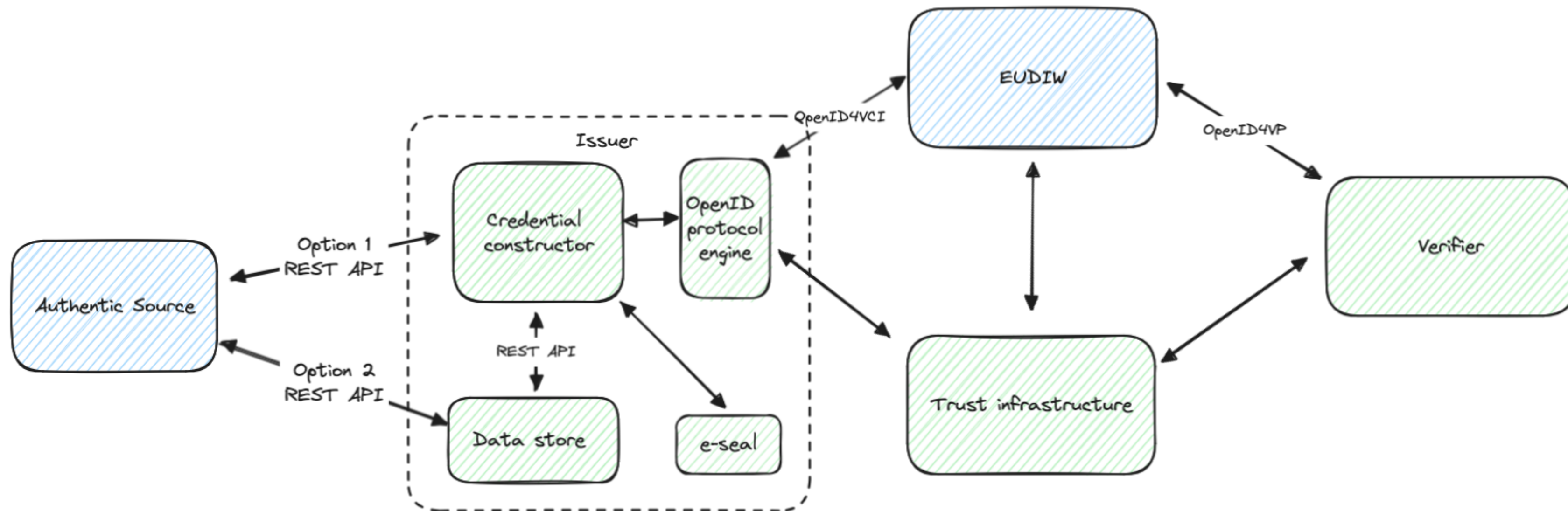


How are we doing it?



# How are we doing it?

Interoperability lab



# How are we doing it?

wwWallet.org



## Welcome to wwWallet

- i** Learn about **PRF Compatibility** regarding browser/OS support and discover wwWallet via our **Launchpad** and **Sample Scenarios***
- i** Make sure that your date/time settings and timezone are correctly set and accurate.*

### Login

 Login with passkey

New here? [Sign Up](#)

# Kudos

## Interoperability model

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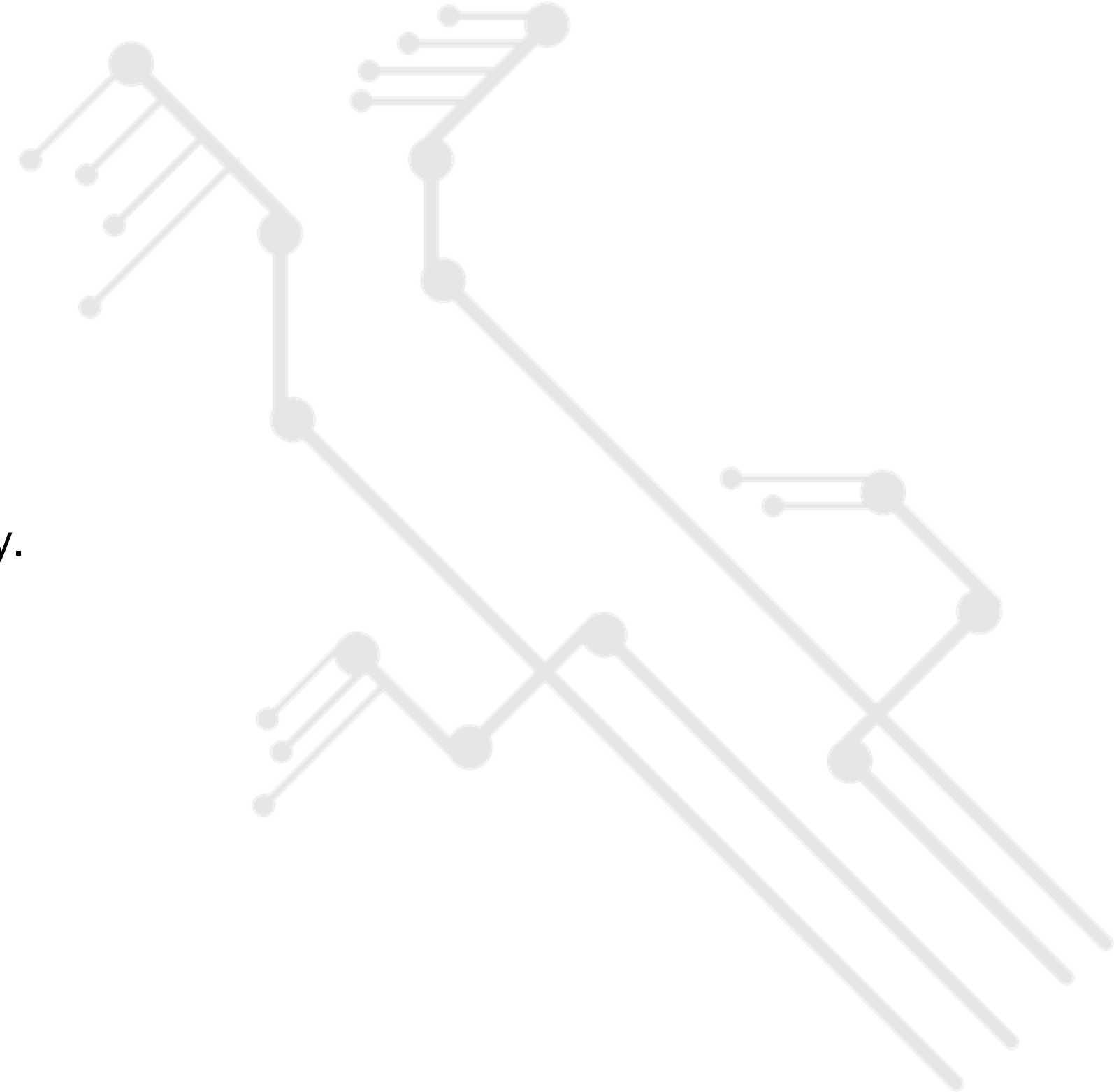
Bakker, N., Janse, D., Renders, E.A., (2024) Educational interoperability.

Utrecht: Npuls. Design: Dirma Janse

Content: Team Educational Innovation at SURF, powered by Npuls

For questions of more info, contact us at [interoperability@surf.nl](mailto:interoperability@surf.nl).

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Thank

YOU!



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Stefan Liström

steli@sunet.se