

Leven Lang Ontwikkelen met een eigen Digitale Identiteit



MBO Digitaal Conferentie

22 september 2023

INGDIL
ngdil.com

Next-Generation Digital Identity in Learning



UNESCO School with
~20.000 students in
Brabant, Netherlands

Driver for partnerships
in inclusive education



UNESCO Learning City
Oss representative for
lifelong learning

Expert in lifelong
learning & partnerships



Self-Sovereign Identity
startup connecting
ecosystems

UniMe Wallet and
OpenId Expertise



TANGLE LABS

International verifiable
identity service provider
and consultant

Vira Wallet and no-code
identity expertise

Facts and Figures Koning Willem I College



- Economics
- Technology
- Health Care & Welfare and Sports
- Creative Industry
- Catering, Hospitality & Tourism
- Order & Security
- Entry Training (level 1)
- Adult General Secondary Education and Adult Education
- Lifelong Learning Koningsacademie

Values

- We are a community college
- We strive for excellence in all that we do
- We welcome everyone and are an inclusive college
- Together with companies we develop education for the future
- We consider creative thinking and entrepreneurship a core competence



20,000 students, 2,000 staff & faculty, 14 departments, 4 communities



UNESCO Region Noordooat Brabant

UNESCO Learning cities Oss and 's-Hertogenbosch
UNESCO School Koning Willem I College

Region Noordooat Brabant

- Unesco Learning Cities 's-Hertogenbosch and Oss
- Unesco School Koning Willem I College
- Unesco Lifelong Learning Program

Principles

- Open
- Inclusive
- Social
- Accessible
- Learning community
- Skills and recognition



Enable Lifelong Learning

- Skills-based Job Market
- Flexible Learning Pathway
 - Seamless Onboarding
 - Interoperable and Verifiable Badges
- Easy collaboration education, government, business, society and labor market

Open Ecosystem

- Open global standards
- Open Source
- Interoperability
- Accessible ecosystem
- Safe and privacy compliant
- Decentralized Digital Identity

Trend 1: User Centric Identities



CURRENT MODEL OF IDENTITY

- Companies control Identity & Data
- Many Data Silo's & Honey Pots
- Many Integrations
- No Privacy



SELF-SOVEREIGN IDENTITY

- You control Identity & Data
- Centralized on the Subject
- One Integration
- No Honey Pots!

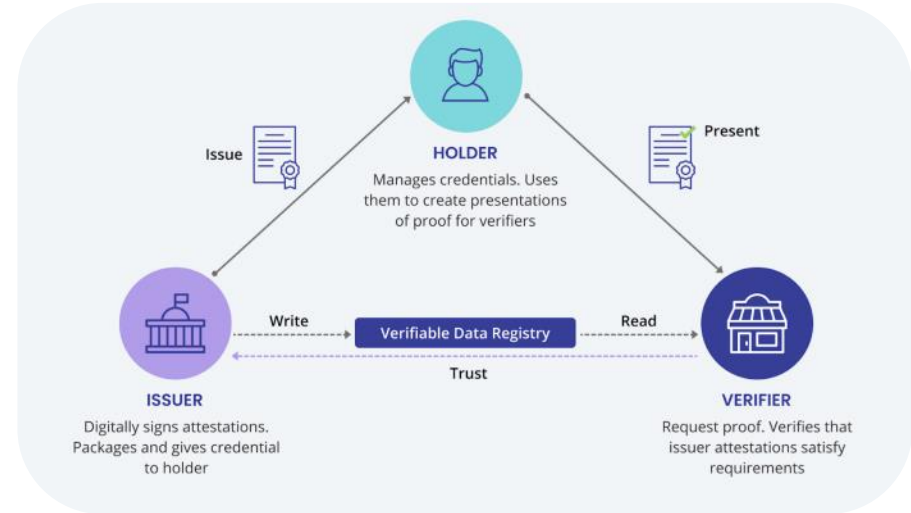
Trend 1: Digital Credentials

Three Roles:

- **Holder** = User / Student
- **Issuer** = Trusted third-party
- **Verifier** = Service Provider

Digital Certificates

- Course badge digitally signed by Issuer (School)
- Given to Holder (Student)
- Presented to Verifier (Recruitment)



eIDAS = **E**lectronic **I**dentification, **A**uthentication and trust **S**ervices

- Framework for User Authentication, Identification and more
- EU wide adoption of Self-Sovereign Identity principles
- DigiD but also mandatory for finance, education, transportation etc...
- Regulation planned to go into effect by **2025**
- Citizens of EU get their own Identity Wallet App
- Certificates and Certification exchange standardized
 - OpenID Foundation and World Wide Web Consortium standards



Continuous Learning and Skills Development

- Skills based Job Market
- Flexible Learning Pathway
 - Seamless onboarding
 - Interoperable and Verifiable Results
- OpenBadges from 1EdTech
- EduBadges from SURF

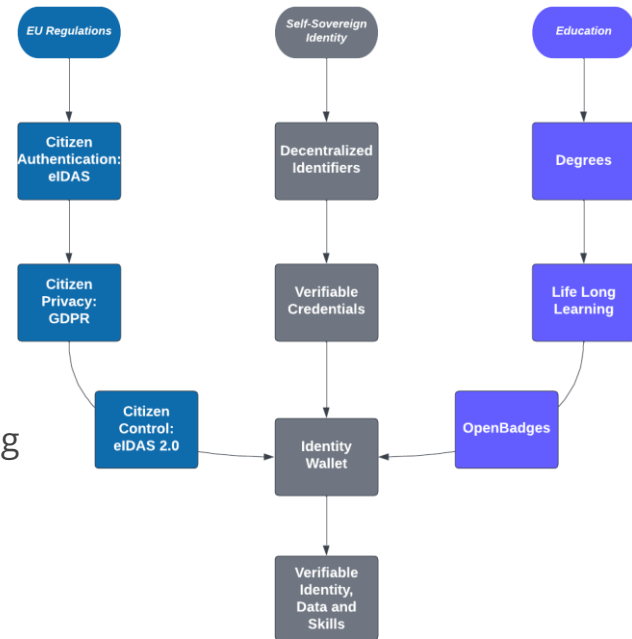


Converging of eIDAS & SSI

- eIDAS 2.0 implements SSI principles
- Adoption of Digital Credentials

Converging with Lifelong Learning

- Flexible Learning Pathway requires Seamless Onboarding
 - Verification of Identity information
 - Verification of Skills, Badges and Degrees
- OpenBadges v3 are compatible with eIDAS standardize credentials



Demonstration

<https://demo.ngdil.com>



Welcome to the **NGDIL** interactive demo for
self-sovereign identity in learning.

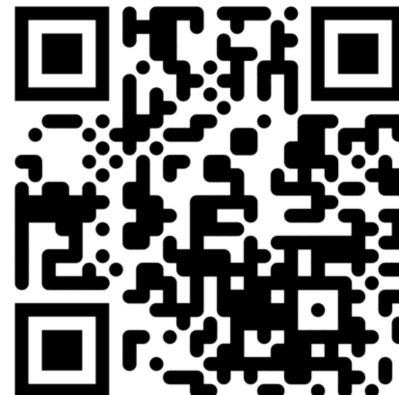
Here we will explore the value SSI can bring to the individual participants within the
education and learning space, from learners, to educators, and employers.

Start Your Journey

Time to act!



Learn more



Try demo

Join us for future collaboration and pilots
Subscribe to the [NGDIL newsletter](#) for regular updates

j.delouw@kw1c.nl