iD union

An ecosystem for trusted identities

iDunion

The IDunion consortium consists of 27 partners - other major partners have already signaled interest in participating

Konsortialpartner

main INCUBATOR
bdr BUNDESDRUCKEREI
Technische Universität Berlin
esatus AG Enforcing Information Security
BOSCH
DB
COMMERZBANK
ING
Telekom Innovation Laboratories
if(is) internet-sicherheit.
GS1 Germany
SPHERITY
Stadt Köln
SIEMENS
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Assoziierte Partner

B Senatsverwaltung für Wirtschaft, Energie und Betriebe
Bundesamt für Migration und Flüchtlinge
Ministerium für Wirtschaft, Innovation, Digitalisierung und Energie des Landes Nordrhein-Westfalen
Deutsche Bank
Creditreform
BWI IT für Deutschland
BERLIN PARTNER für Wirtschaft und Technologie BERLIN
D-TRUST Ein Unternehmen der Bundesdruckerei
FESTO
regio IT
r3.

Unsere Lösung baut auf der Distributed Ledger Technologie und dem Konzept “Selbstbestimmter Identitäten” (sog. Self-Sovereign Identities) auf

WHAT	Identification	Authentification	Authorisation
WHO	Natural Persons	Companies	Things
HOW	Self-Sovereign	Attribute Based	Decentral (DLT)
	Data Protection Friendly	Open Source	No Vendor Lock-in
WHERE	Germany	Europe	

Advantages of our solution

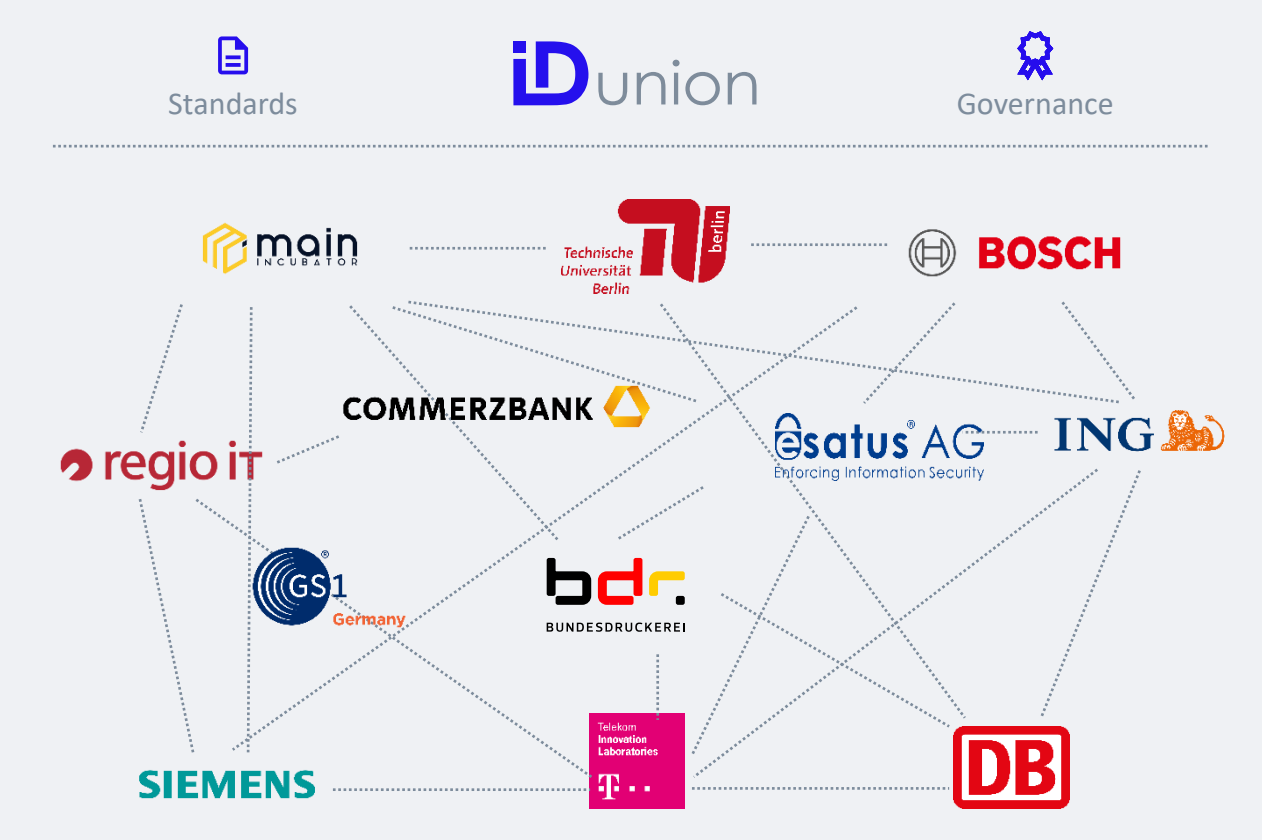
- Very flexible solution equally suitable for identification, authentication, authorization for natural persons, companies and things
- Technical architecture promotes self-determination, data sovereignty
- Identity data is based on individual attributes that can be freely defined and combined with each other
- Open, uniform data standards and transmission protocols across all identity subjectsOffenes
- Open ecosystem based on open source technology
- Use communally, regionally, across Germany and Europe

In recent months, in addition to intensive research, we have developed a DLT test network including governance structure, 35 use cases...

Research

- Regulatory Review (eIDAS, GDPR)
- Cybersecurity
- Interoperability
- Freedom to operate (IP rights review)
- User acceptance test UI/UX-optimasation

DLT-Test-Network



Status 11/2020: 12 Partner operate the network- further partners will join

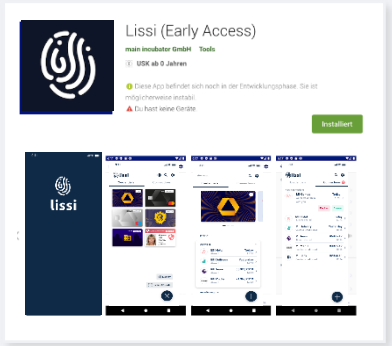
Use Cases

- eGovernment Public Sector
- Education
- Financial industry
- Industry/IoT
- IAM
- eCommerce / Mobility
- eHealth

...and numerous software components for the allocation, verification and management of digital identity data developed

SSI Wallets for endusers (publicly available)

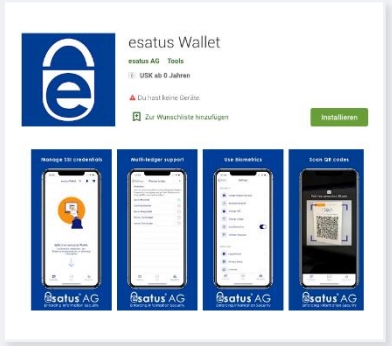
Lissi Wallet
(main incubator)



GET IT ON Google Play

Download on the App Store

esatus Wallet
(esatus)



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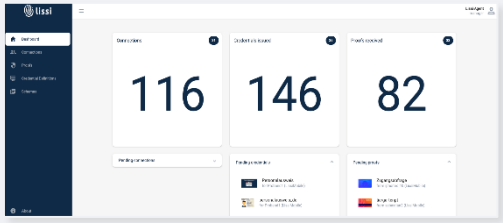
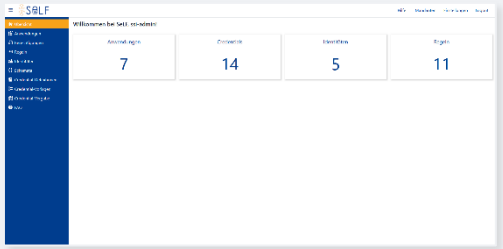
SSI solution for institutions

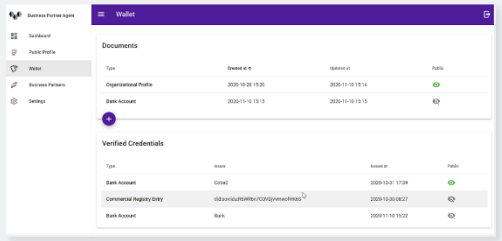
Lissi Institutional Agent
(main incubator)



esatus SeLF
(esatus)



Business Partner Agent
(Bosch, Daimler, Siemens)



In the future, the identity network will be managed by a European cooperative in which every institution in the EU can participate

In total, we are working on 35 use cases in the areas of eGovernment, education, finance, industry/IOT, eCommerce/mobility, IAM, and eHealth

eGovernment Public Sector

Certificates, Tafel Langen, Servicekonto NRW, OSiP, eID, Signature, Car

Education

Certificates, Diplomas, StudentID, Student Wallet

Financial industry

Bankdata, eIDAS Identification KYC, GWG

Industry IoT

Master Data-Mgt, Supply Chains, platform GAIA-X, Certificate, Product ID

eCommerce Mobility

Smart Checkout, MA Mobility Connected Travel, Travel services

IAM

Access Mgt, Campusapp. Single Sign On, Passwort-Reset

eHealth

Authentification Patient doctor, Telemedicine, prescriptions

Focus points within the project

Establishment of identity ecosystem

Decentral (DLT) | Self-Sovereign | Data Protection Friendly | European Cooperative | Open Source | No Vendor Lock-in

Interoperability

OPTIMOS, JavaCard-Applets, OpenID Connect, SIOP, SAML, OAUTH, HL Aries, Interoperability with other SSI-ecosystems, eIDAS Bridge, QES

Involvement of municipal bodies and citizens

OZG: Servicekonto NRW, Permit issuance, honorary card, solutions for pupils, student IDs, blackboard authorizations, access management federal armed forces, Applications BaMF

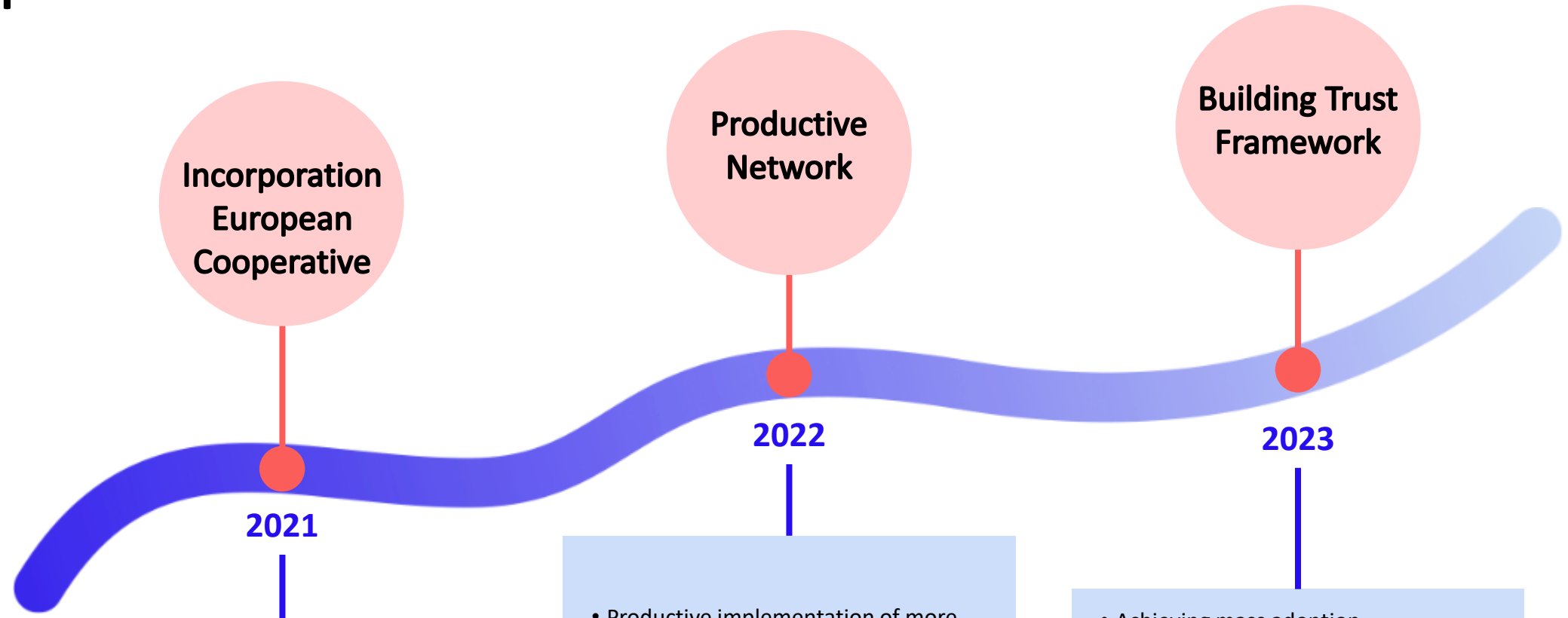
Generation of everyday relevance

Very many everyday use cases: passwordless login, employee badges, building access, mobility, password reset, checkout, eCommerce, education, financial industry, eHealth

Cooperations

Interfaces to other identity platforms, also internationally, participation in various working groups, active participation in committees and associations

Implementation schedule



Unique selling points of our consortium

Consortia in figures

35+ use-cases

>50 Mio.

Customers of private partners

>20 Mio. citizens of public partners

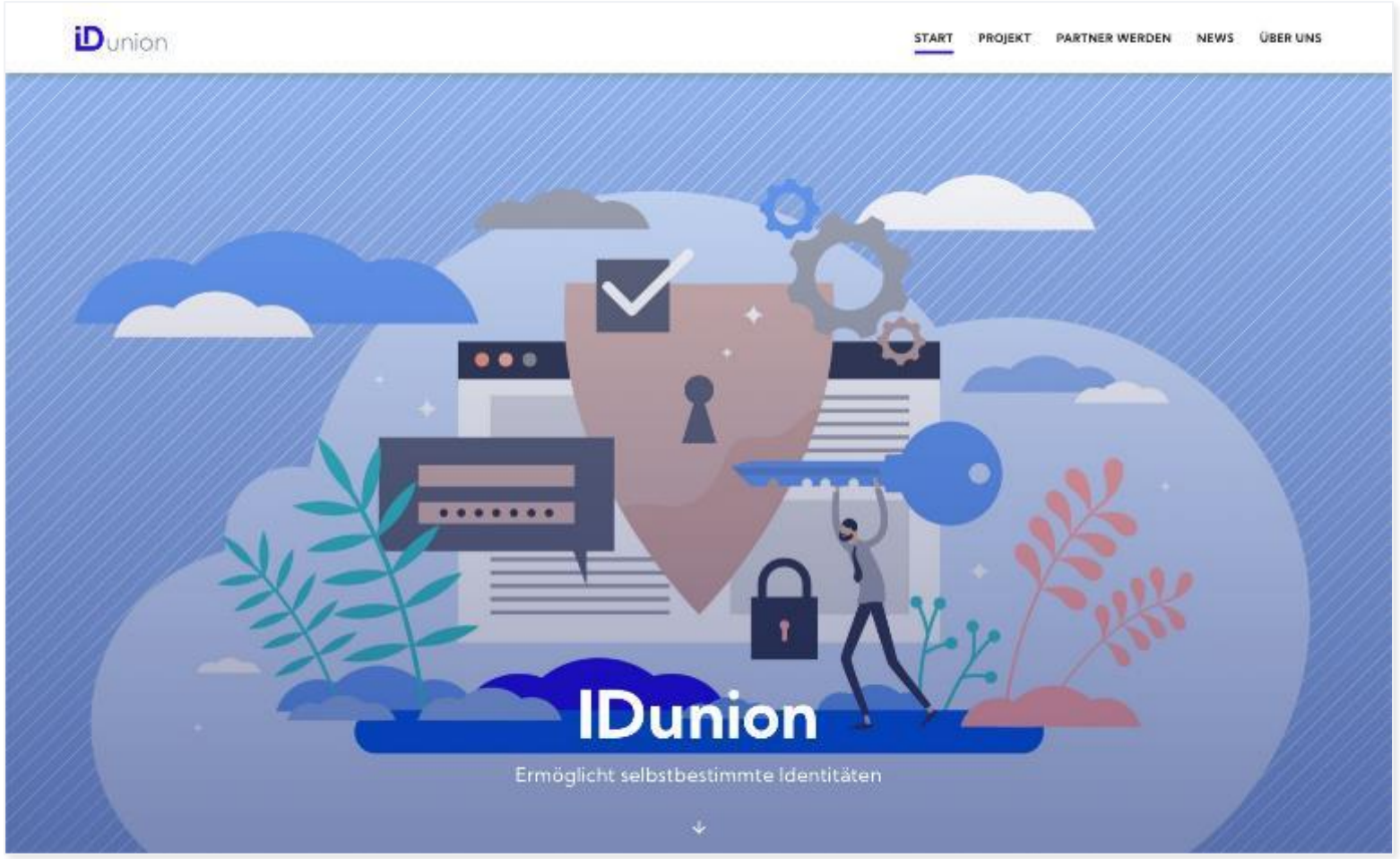
>15 Mio. EUR own investments

As of today **>6 different software applications**

What distinguishes IDunion from other consortia?

- Open ecosystem for digital identities, any institution in Europe can participate
- Implementation strength already proven
- Partners are among the leading SSI solution providers, worldwide exploitation of the solutions is targeted
- Wide range of 35 use cases, participants from finance, industry and administration - high degree of utilization
- High relevance for GAIA-X
- Strong involvement of public authorities and citizens through solutions in the context of Online Access Act (OZG) - provision of identity and credentials
- No vendor lock-in, numerous software solutions available, anyone can develop own software solutions, partners develop own open source solutions

Contact us



http://www.idunion.org

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