

SSI in production

Secure Digital Identities in Germany and the next phase of SSI



JOLOCOM

· jolocom.io

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Contents

- **1. What has been achieved?**
- **2. What's currently being built?**
- **3. What's next?**

01 — What has been achieved?

01.1

**Global, active
community has
established and
organised itself**

01 ——— What has been achieved?

01.1

Global, active
community has
established and
organised itself



01 — What has been achieved?

01.1

Global, active community has established and organised itself



01 — What has been achieved?

01.1

Global
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01.2

Transition to
Production
Use Cases and
Implementations



01 — What has been achieved?

01.1

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01.3

Beginning
regulatory
recognition



01 — What has been achieved?

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01.4

**Growing
interoperability
between solutions**

01 — What has been achieved?

01.4



Wallet and Credential Interaction (WACI) Protocols
for both Issuance and Presentation Exchange

Growing
interoperability
between solutions

01 ——— What has been achieved?

01.4

Growing
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Wallet and Credential Interaction (WACI) Protocols
for both Issuance and Presentation Exchange



Official recommendation of core specifications for
Decentralized Identifiers

01 — What has been achieved?

01.4

**Growing
interoperability
between solutions**



Wallet and Credential Interaction (WACI) Protocols for both Issuance and Presentation Exchange



Official recommendation of core specifications for Decentralized Identifiers



Joint interop profile defined in SDI projects



02 — Product Overview & Technology Stack – What's currently being built?

BMWK Showcase Projects — Secure Digital Identities (SDI)

Lighthouse project of the German Government –
bringing together academia, industry, cities and
technology providers.

1-year competition phase of 12 consortia, 4 projects
going to deployment phase.

public funding

15 M EUR / project

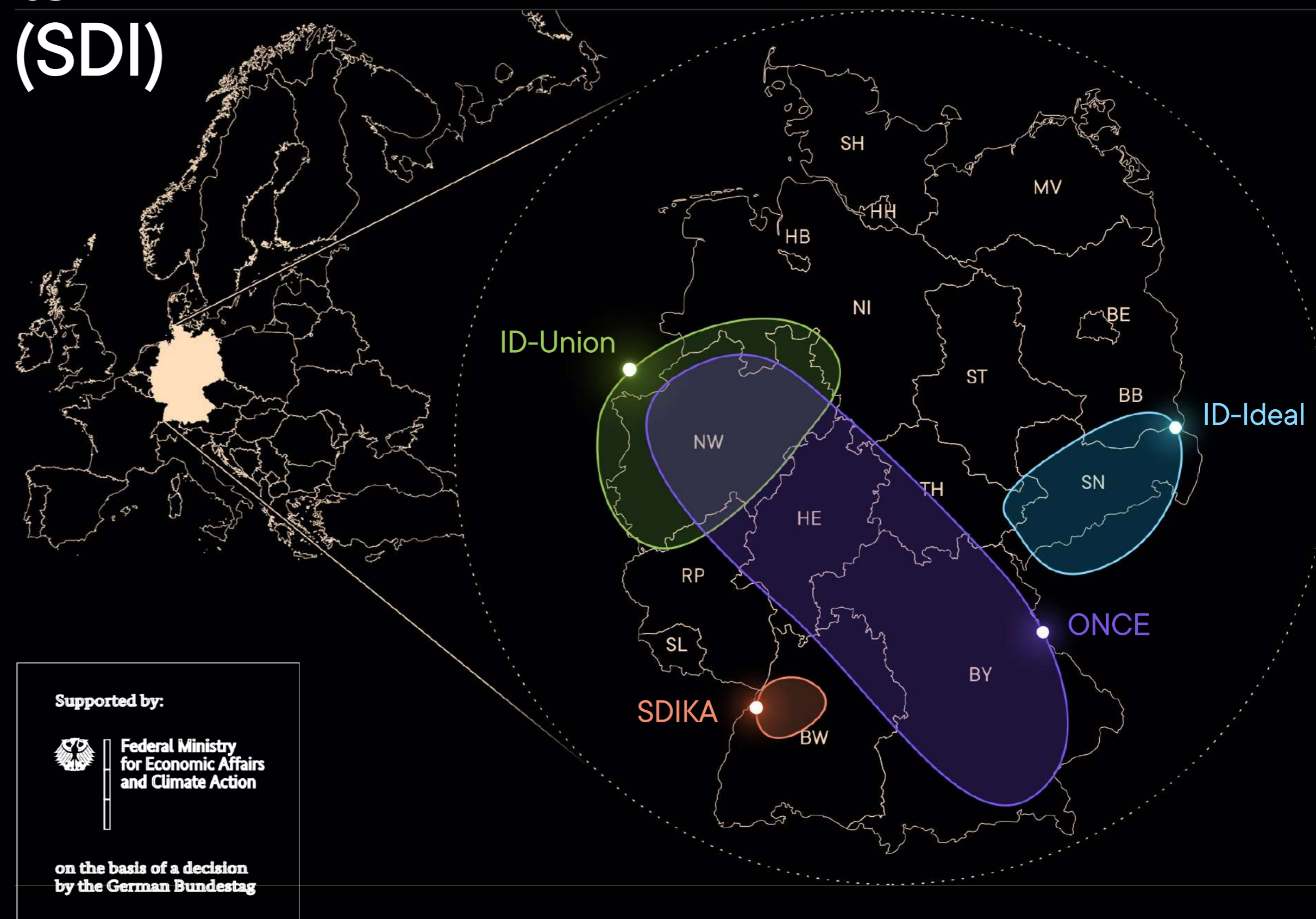
runtime

3 years

adoption and scaling opportunities with

40+ use cases

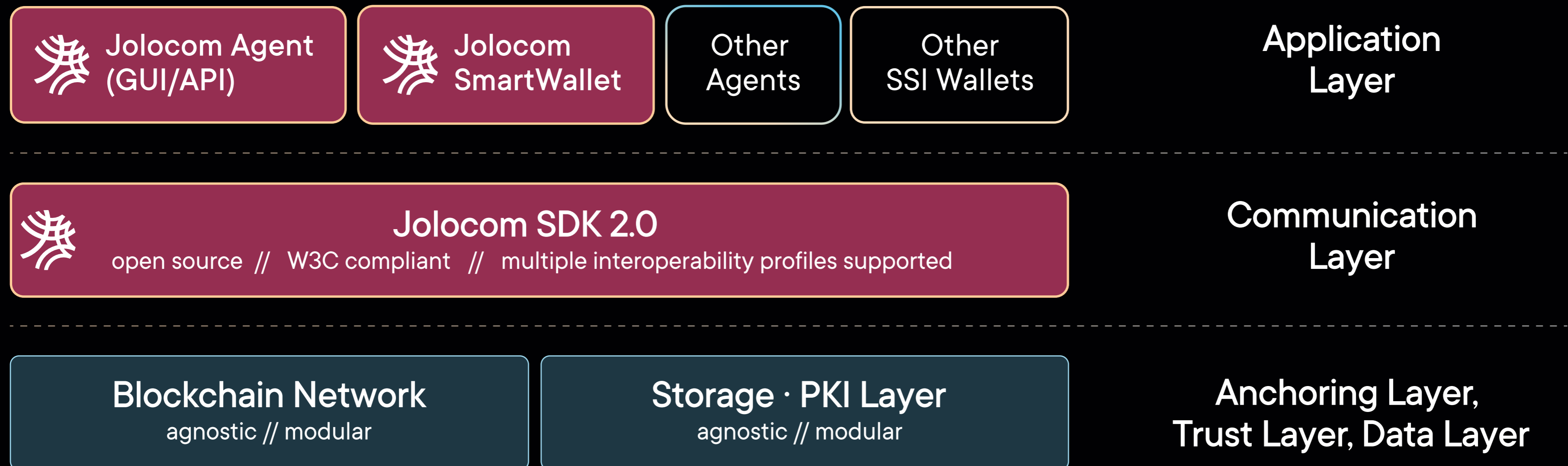
Mobility & Sharing Services | Hospitality Services
Health Services | Public Administration Services



02 — What is currently being built?

components / modules

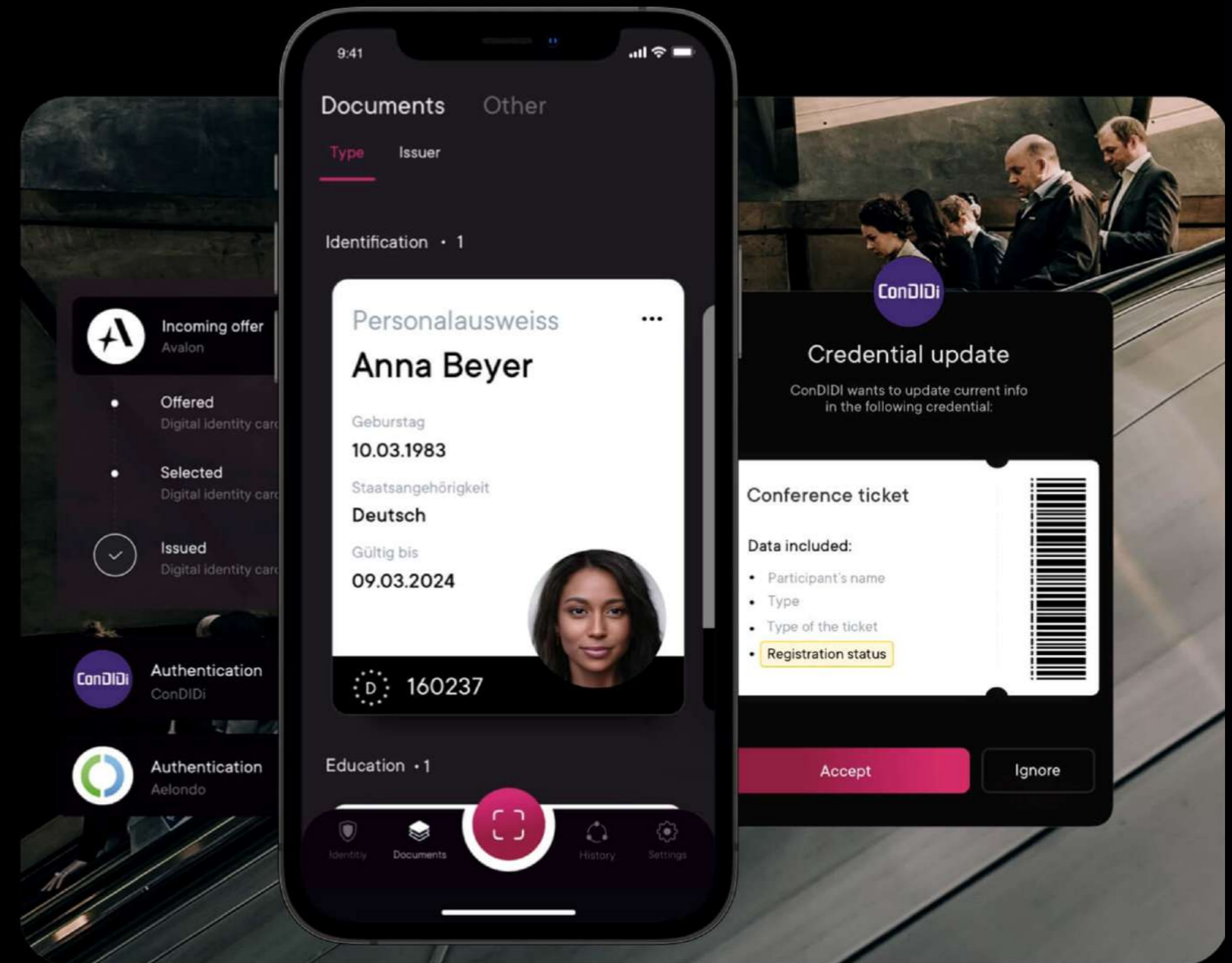
conceptual layers



02 — What is currently being built?

The **SmartWallet** is our user oriented SSI Agent, supporting:

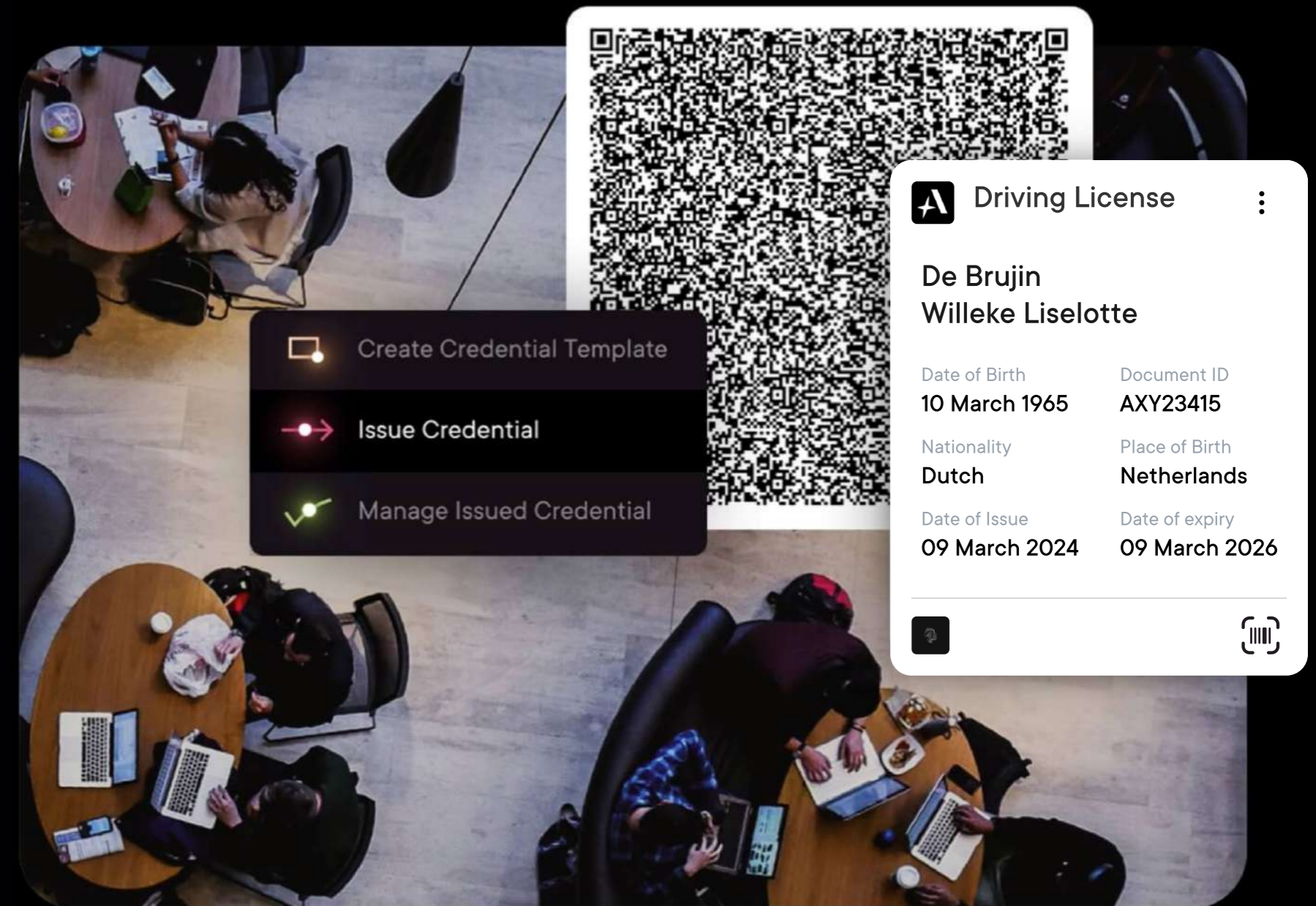
- SSI Credentials
- German eID
- ISO mDL



02 — What is currently being built?

The **WebAgent** is our Issuer and Verifier product built on the Jolocom SDK, providing

- Issuer Capabilities
- Verifier Capabilities
- Custom Experiences





03 — What's Next?

03 — Where are we not yet ready and mature as a community?

03.1 interop efforts are sluggish and not always recognized as crucial

Many projects are focusing **exclusively** on individual, incremental solutions

Legacy decisions are still hindering interop efforts

Very diverse coordination space on interop topics

03 — Where are we not yet ready and mature as a community?

03.1 Interop efforts are sluggish and not always recognized as crucial

03.2 Meeting expectations for scalable productive systems

SSl standardisation and maturity has been outpaced by market demand

Usability and user experience is not on par with Web 2.0

Monetization Models compatible with SSI principles remain a challenge

Very diverse coordination space on interop topics

03 — Where are we not yet ready and mature as a community?

03.1 Interop efforts are sluggish and not always recognized as crucial

03.2 Meeting expectations for scalable productive systems

03.3 The great potential of SSI in Europe is still fragile

An SSI solution for Europe is on the table, *but...*

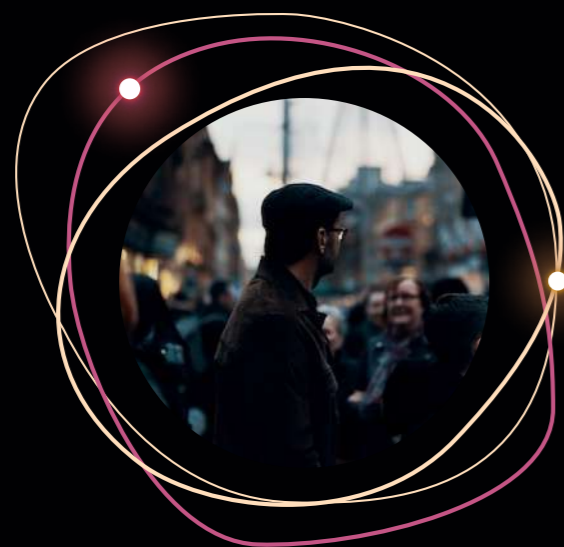


Centralised or federated solutions
are equally being considered

Contradictory features and clauses like
a unique identifier are also being discussed

Attractiveness for the private sector
is still in question

This bears the following risks:



public image

The SSI label being watered down to something unrecognisable to the community that still forms public opinion on the concept



limitations on implementation

One of the most crucial geographies for digital identities opting for a centralised or federated solution, with the potential to thwart interoperability efforts, business models and endanger civic self-determination in the age of Digital Societies

03 — The Next Steps to Watch

03.1

**Adoption and
deployment of B2B
Use Cases should
speed up**



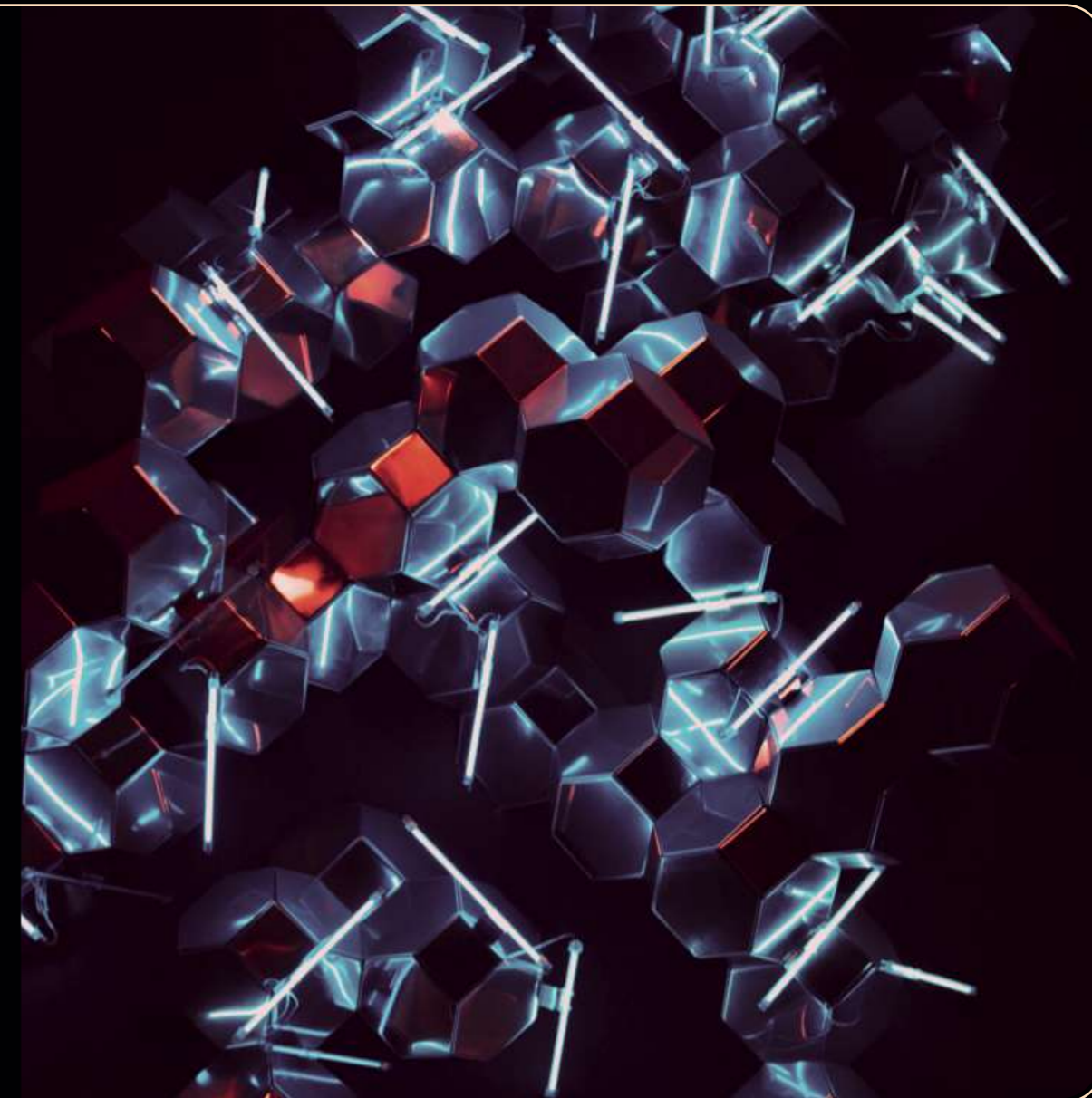
03 — The Next Steps to Watch

03.1

Adopt
depl
Use C
speed

03.2

Alignment efforts between different Governance models and Trustframeworks should gradually receive more focus



04 — Call to action

Support existing interoperability efforts

Focus on bringing private sector pilots to production

Educate lawmakers and regulators about the needs of the SSI community



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