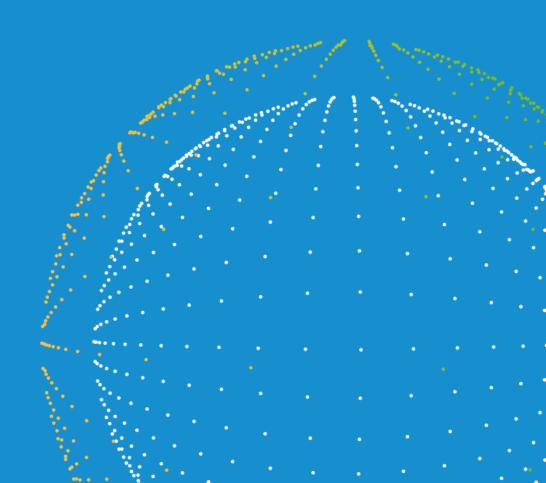


New version of the DSSC Blueprint The Building Blocks you need

Matthijs Punter







Why a Blueprint for Data Spaces?



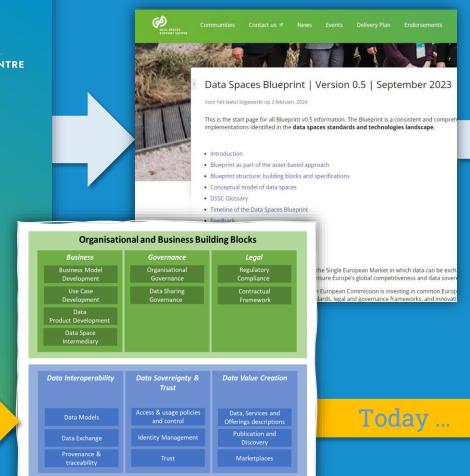
Evolution











Technical Building Blocks

Contents of Blueprint 1.0







Building blocks

Business & Organisational

Technical

- ✓ Required capabilities
- ✓ Core design decisions
- ✓ Specifications & common standards
- ✓ Further reading

What's new? 1.0







Business and organisational building blocks



Business

- Visual overview of business model ingredients
- Guidelines & templates to take business decisions



Governance

- authority > Organisational form and governance authority
- Data sharing governance > Participation management
- Decision tree to organise and establish a data space
- ✓ Guidelines on/offboarding of participants



Legal

- Regulatory compliance checklist for data spaces
- Contractual framework for agreements:

Among participants

On data transactions



What's new? 1.0







Technical building blocks



Data interoperability

- ✓ **Vocabulary Hub** for common data models
- ✓ Approaches for **provenance &** traceability



Data sovereignty and trust

- ✓ Attestation & Identity Management based on W3C Verifiable **Credentials** (SSI)
- ✓ Role of Trust Frameworks
- ✓ Access and usage policies based on **W3C ODRL**



Data value creation enablers

- ✓ Usage of **DCAT** for specifying data products & services
- ✓ Role of Value Added Services in a data space (not only marketplaces!)







Functional overview of software components



Participant Agent

- ✓ Control plane vs. Data plane
- ✓ Participant Wallet
- ✓ Data, Services & Offerings Catalogue
- ✓ Contract Negotiation
- ✓ Transfer Process



Shared Services

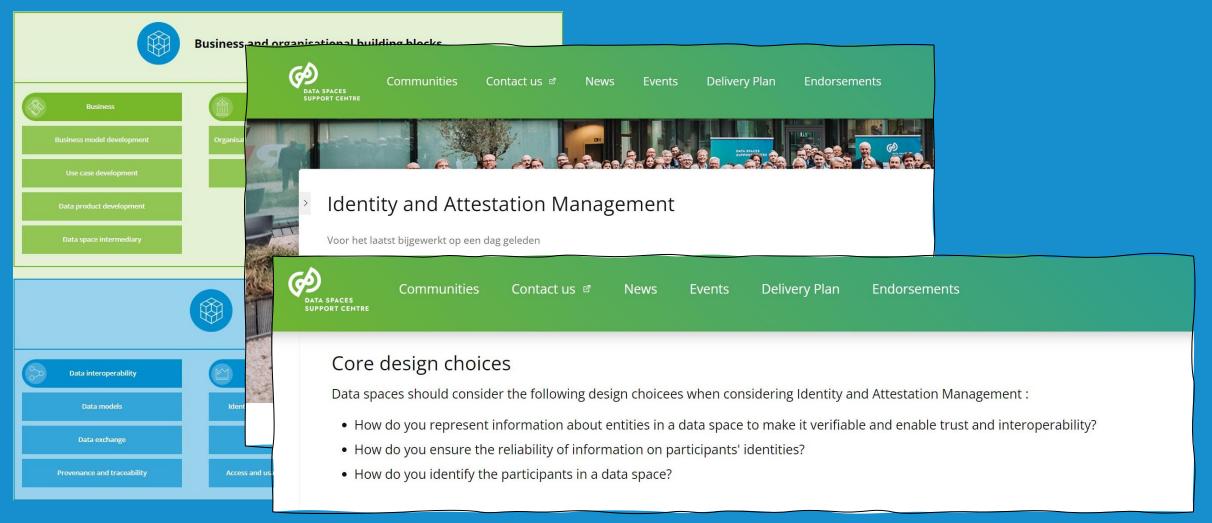
- ✓ Data Space Wallet (participants registry)
- ✓ Catalogue
- ✓ Vocabulary Hub
- ✓ Notarization Service
- ✓ Value Added Services







Design Choices for your Data Space

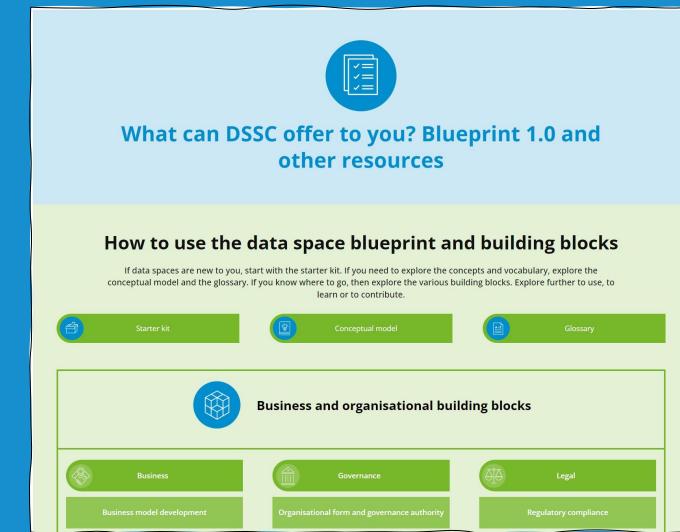




Connect, use and contribute

Use the DSSC Blueprint to develop or enhance the rulebook of your own dataspace

"Comply or explain" + Contribute!





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