Blockchain/DLT

Standardisation needs on use cases

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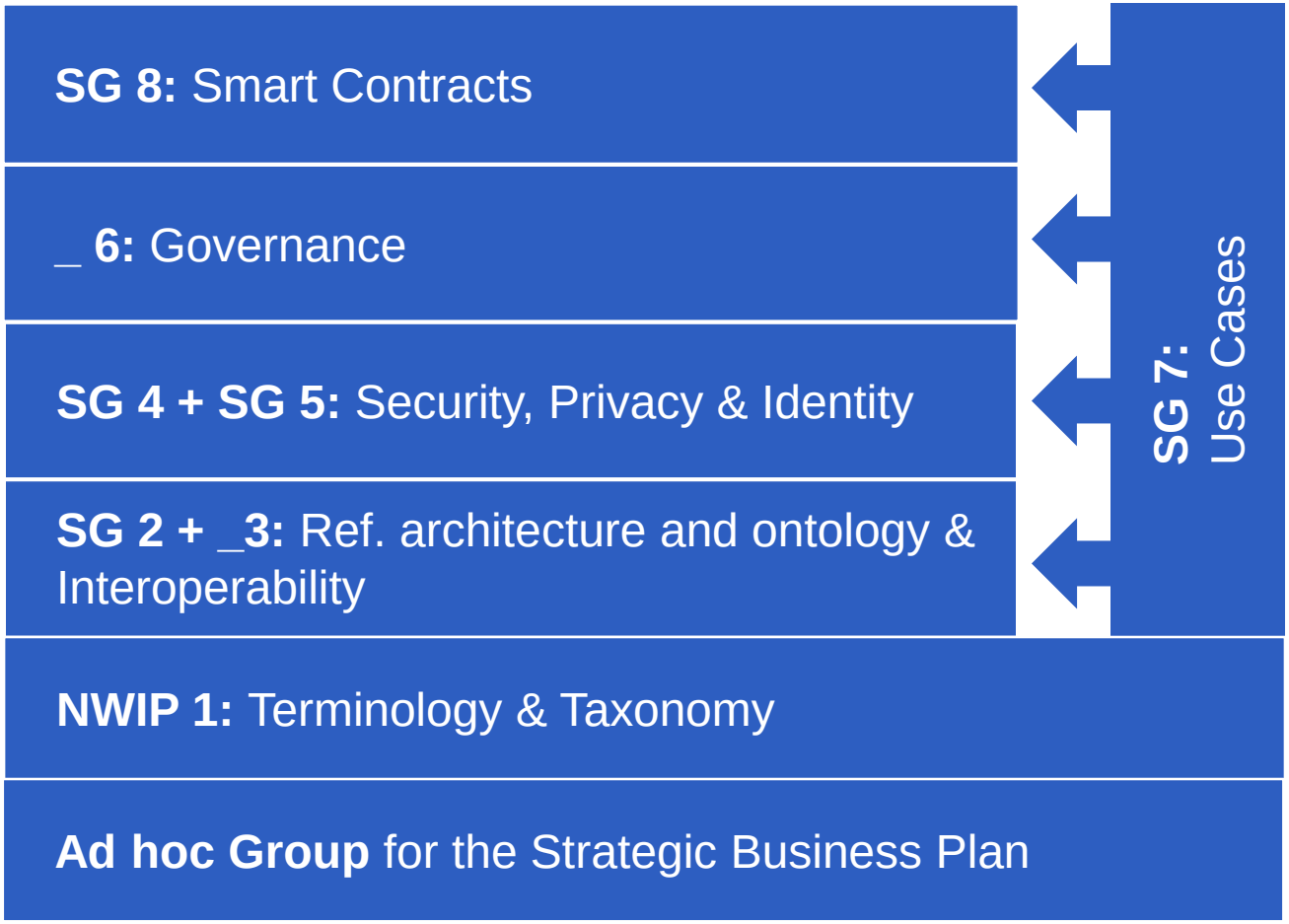
Results of the first ISO meeting in Sydney



Study Group objectives

Convenorship: JISC (Japan)

The SG mission is to:

- **Consider the most common types of use cases**
- **Consider the potential implications the existing use cases and applications**
- **Report back to ISO/TC 307 at the November meeting**

Status of the study group, work achieved so far (I/II)

A use case template has been created

Identified use cases domains / industries

- *Identity Management*
- *Finance*
- *Healthcare*
- *Real Estate*
- *Energy*
- *Intellectual Property Management*
- *Crowdfunding*
- *Social welfare management*
- *Smart manufacturing*
- *Supply chain management*
- *IoT*
- *Education and employment certification*
- *Big Data*

Status of the study group, work achieved so far (II/II)

Horizontally (type of application)

- *Exchange of digital assets and currencies*
- *Notarization of transactions*
- *Traceability of products, of events*
- *Storage of digital proof*
- *Automatization of processes*
- *Intellectual property management*

Vertically (domains or industries)

- *Financial services (banking, insurances)*
- *Government and public services*
- *Manufacturing*
- *Retail*
- *Utilities*
- *Culture, media and entertainment*

Value of blockchain use cases

*As blockchain is going to affect humanity in its entirety, we need **illustrative use cases** in form of **ISO standing documents** as reference points to calibrate our views.*

*Using a **meta-description language**, one could browse existing use cases along **blockchain design patterns**.*

*ISO standing documents can be maintained by adding more use cases, e.g., as **best practice cases**, which would greatly help to disseminate insights.*

European Commission

Results of blockchain observatory day

European interests on blockchain use cases

*Potential need for standing documents that take **European legislation such as GDPR** into consideration.*

*Illustrative use cases which comprise **values important to the EU**, such as giving IP owners control over their data.*

***Identity management** use cases across border to manage refugees as well as to prevent social welfare fraud.*

*Ultimately, there may be the **need for a Eurochain** to support European business and a Crypto-Euro.*

Next steps

Issues:

-- Availability of use cases

-- Abstraction and systematization of use cases

-- Use cases developed in other study groups

Open Questions:

-- How to connect the use cases / lessons learned with the other study groups

-- Motivation of the participants, as no standard will emerge from this support group