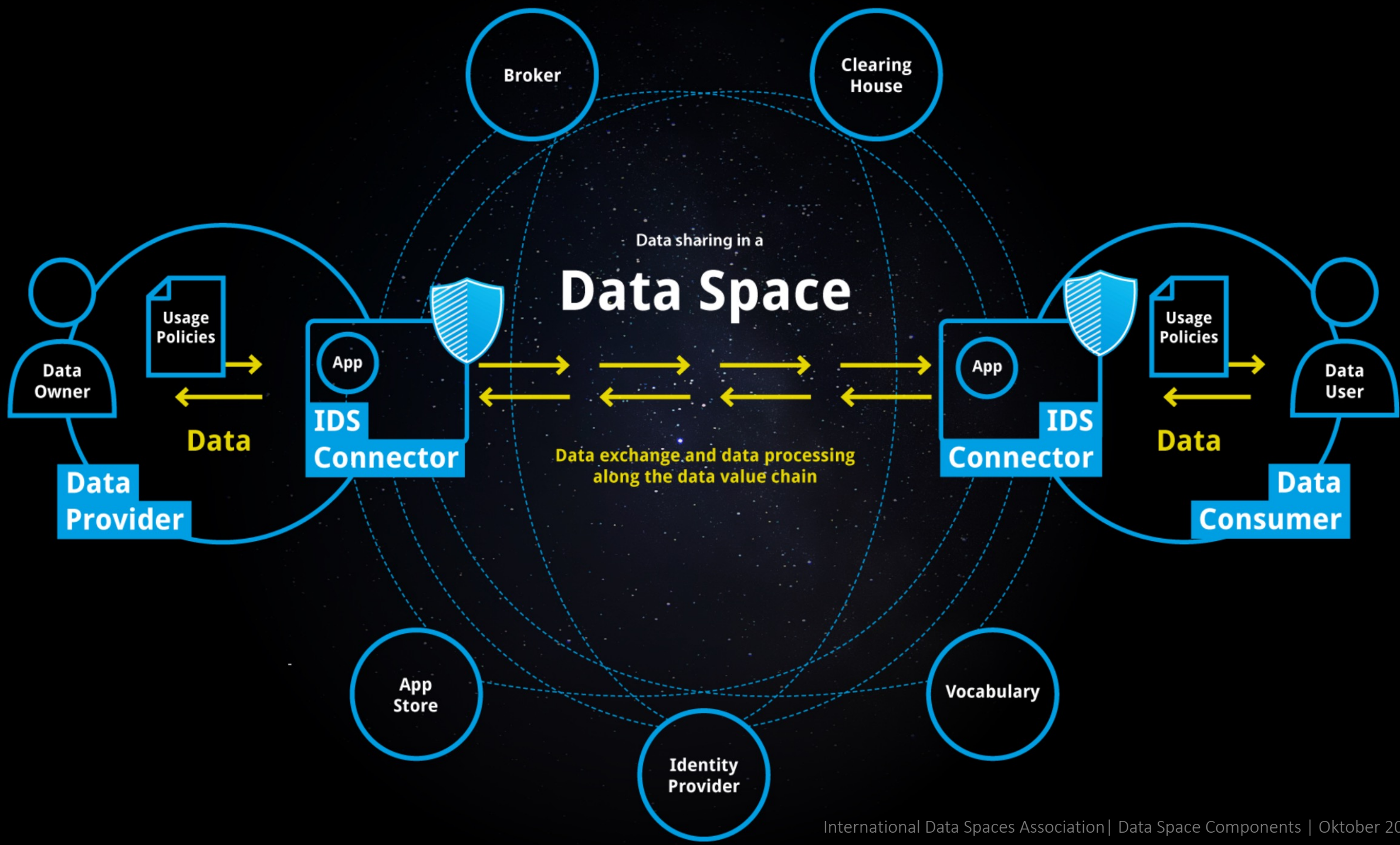


# ENERGINET'S DATA SPACE DEVELOPMENT

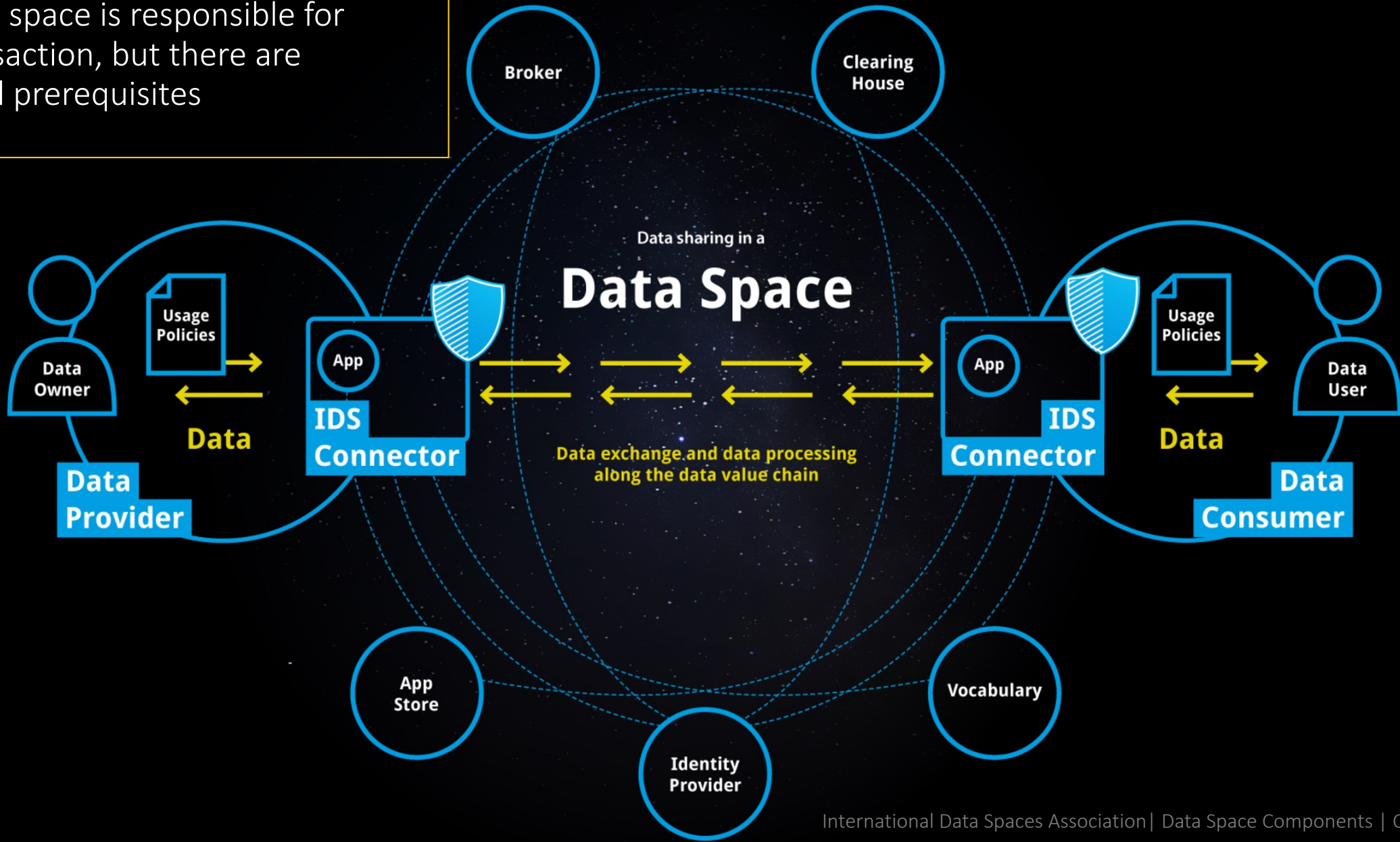
WEBINAR 4 - TECHNICAL COMPONENTS FOR  
DATA SPACES – 25 Oct. 2023

Jens Hjort Schweet, PhD, Information architect



# DATA SHARING VIA DATA SPACE

The data space is responsible for the transaction, but there are technical prerequisites



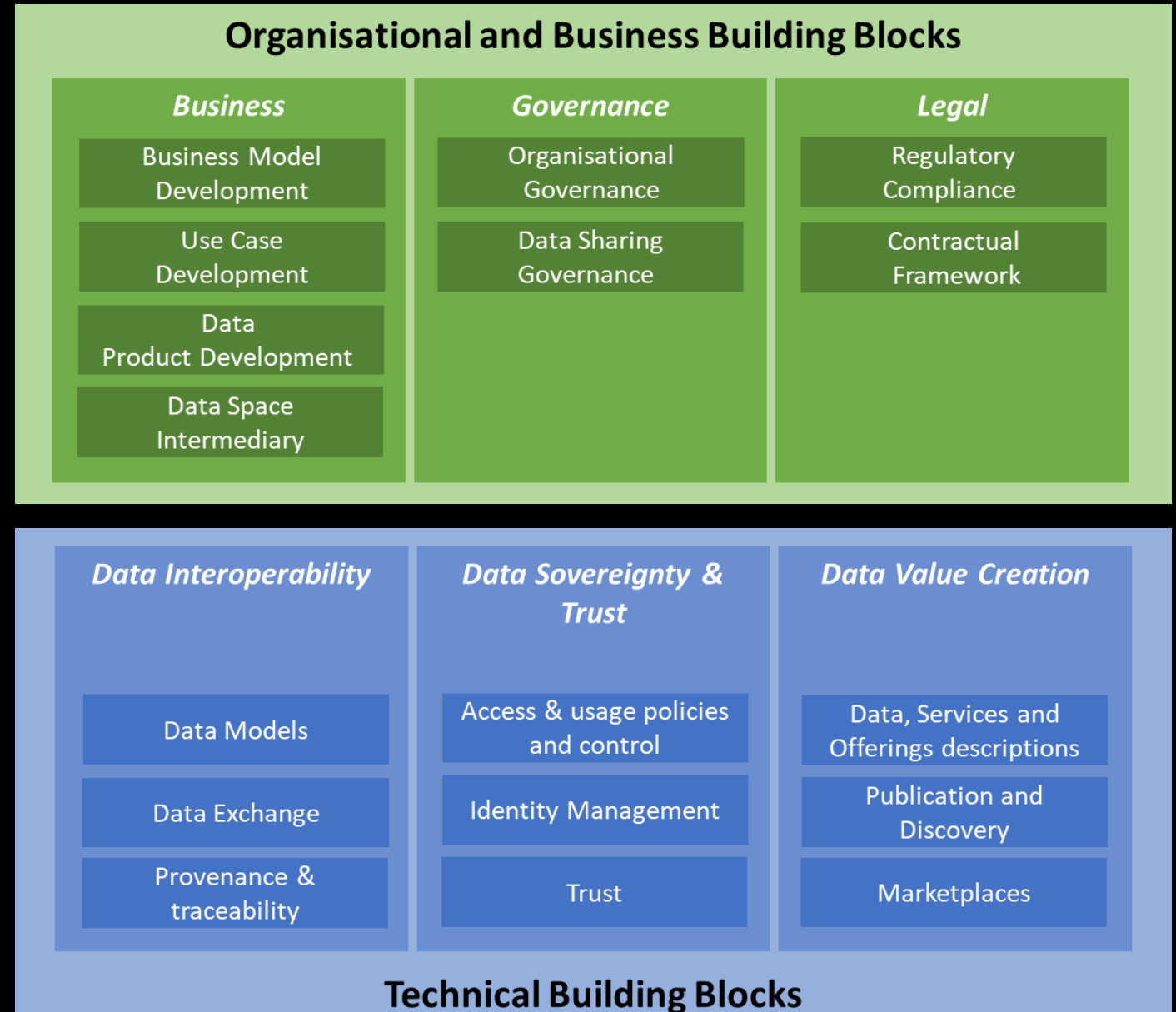
# HOW CAN DATA SPACES BE USED AS A TECHNICAL **VISION**?

How does Energinet work with data spaces to become “**data space ready**”?

We use data space as a vision

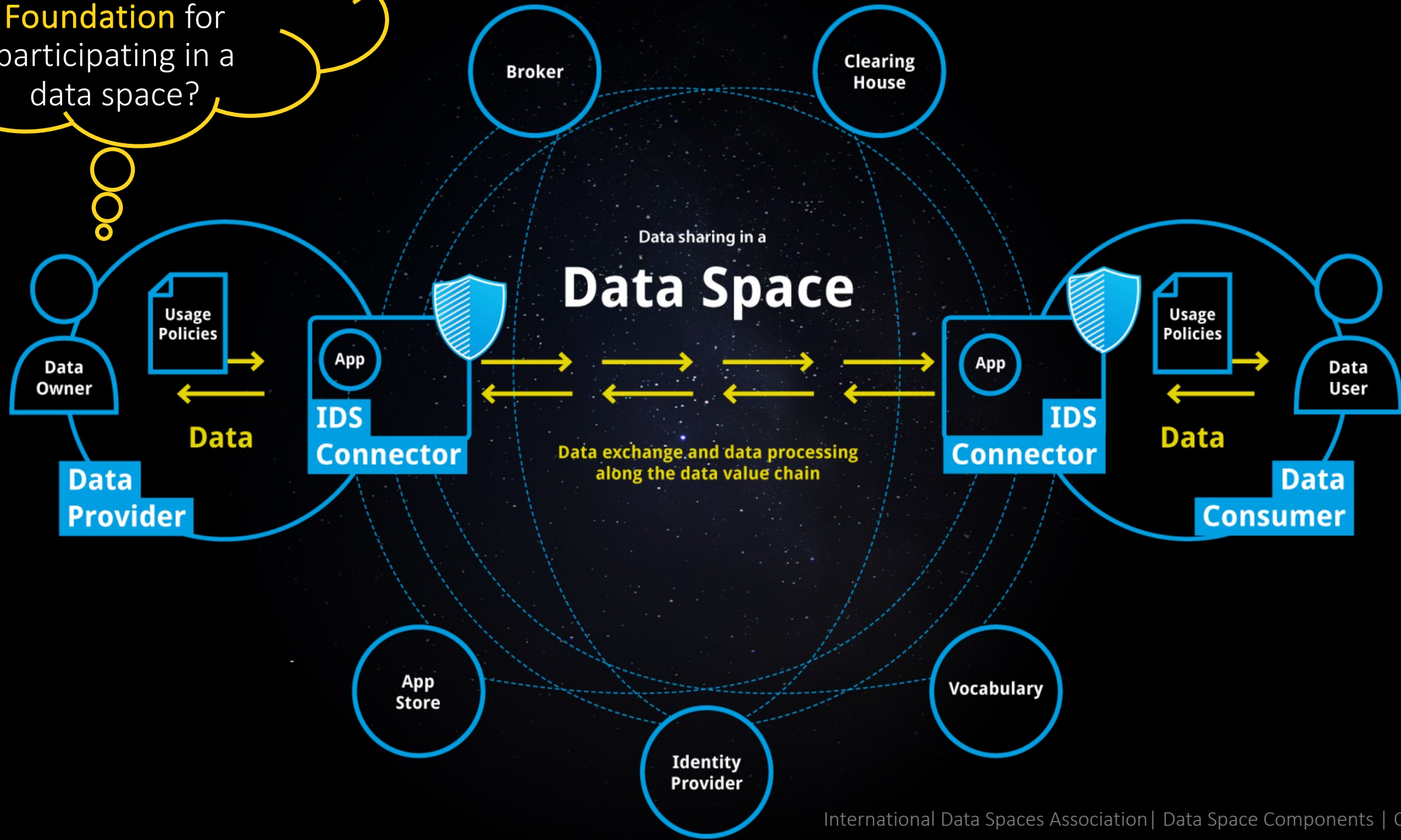
- Internal foundation
- External interaction

Energinet acknowledges that each **building block** has a maturation process, which can be used as a **road map for implementation** – but also to explore opportunities on the way





What is the  
**Technical  
Foundation** for  
participating in a  
data space?



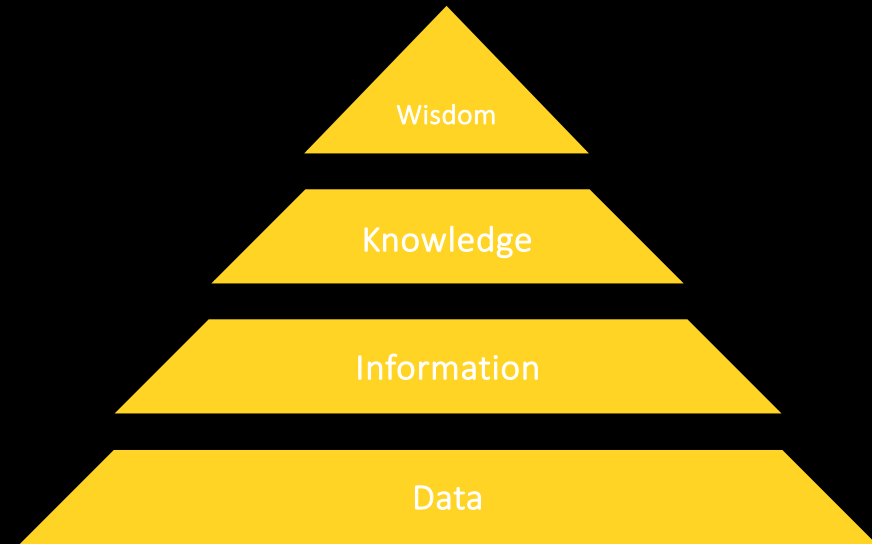
# HOW CAN DATA SPACES BE USED AS A TECHNICAL **VISION**?

Data spaces are used for **internal maturation**, e.g. in relation to the maturation of our data.

A breakdown of data models: **from raw data to wisdom**

*What is the prerequisite for being able to use data sources that are shared between actors?*

Data, Information, Knowledge, Wisdom Pyramid



# HOW CAN DATA SPACES BE USED AS A TECHNICAL **VISION**?

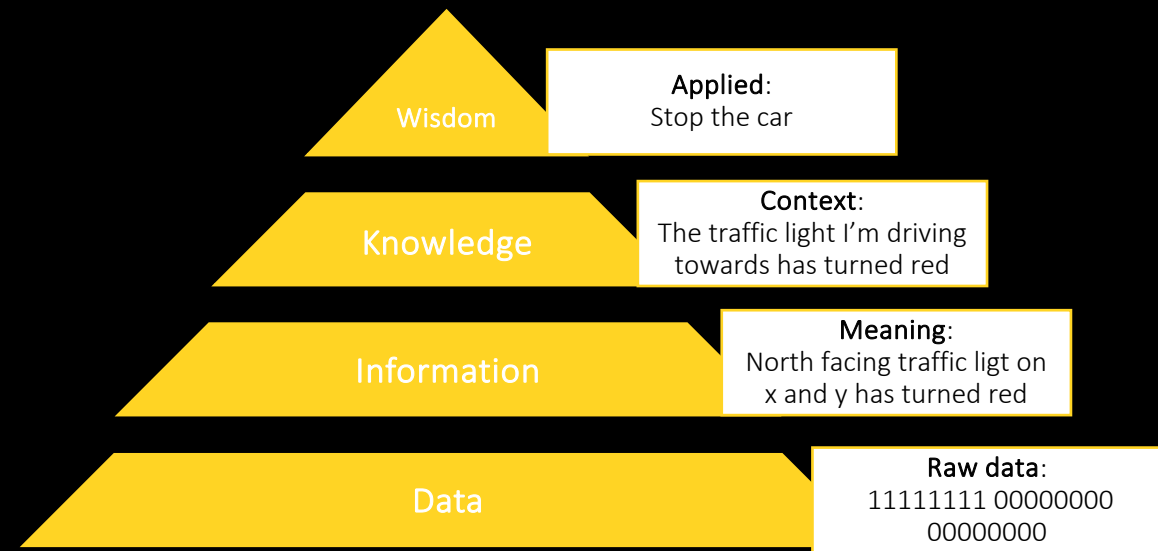
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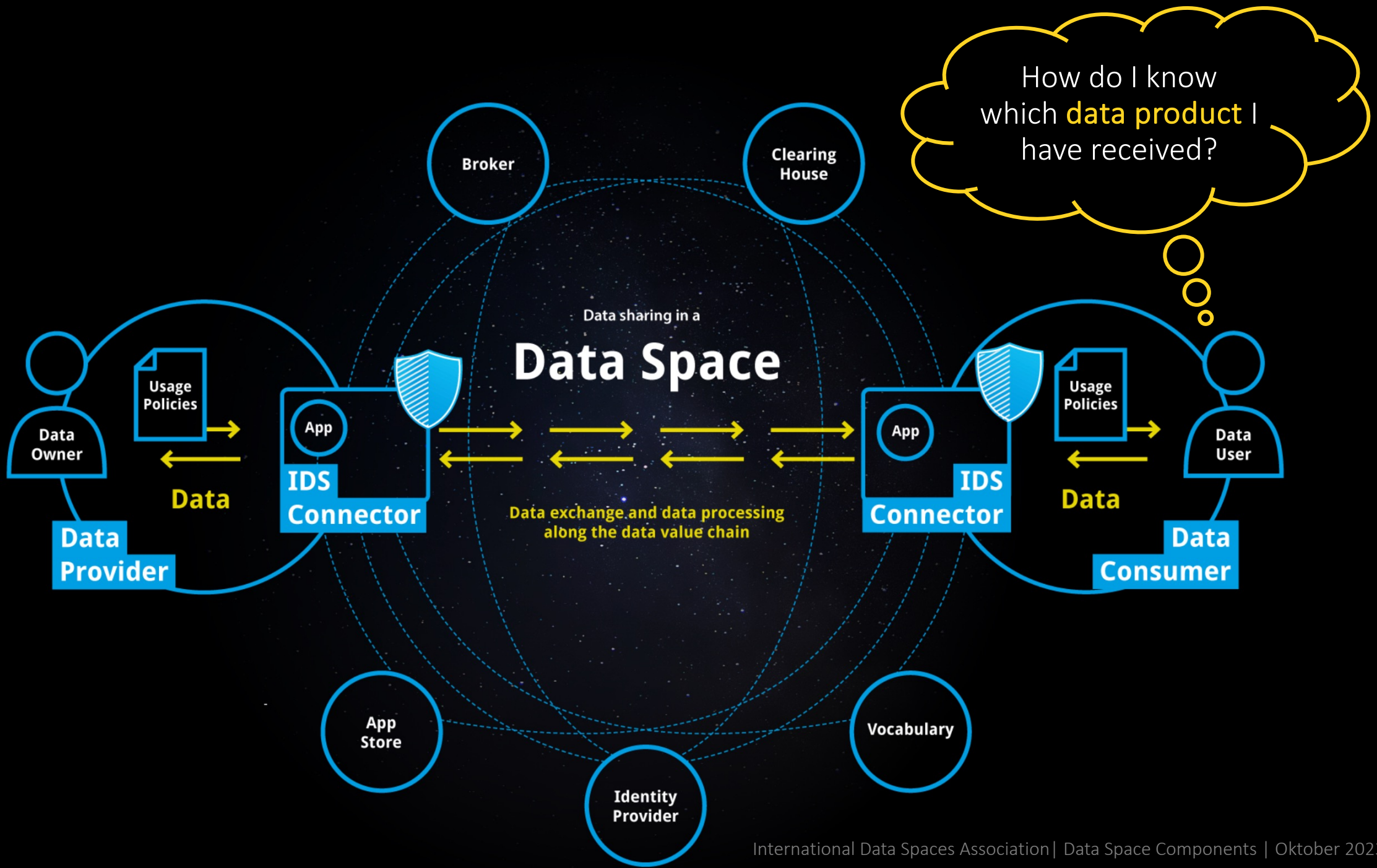
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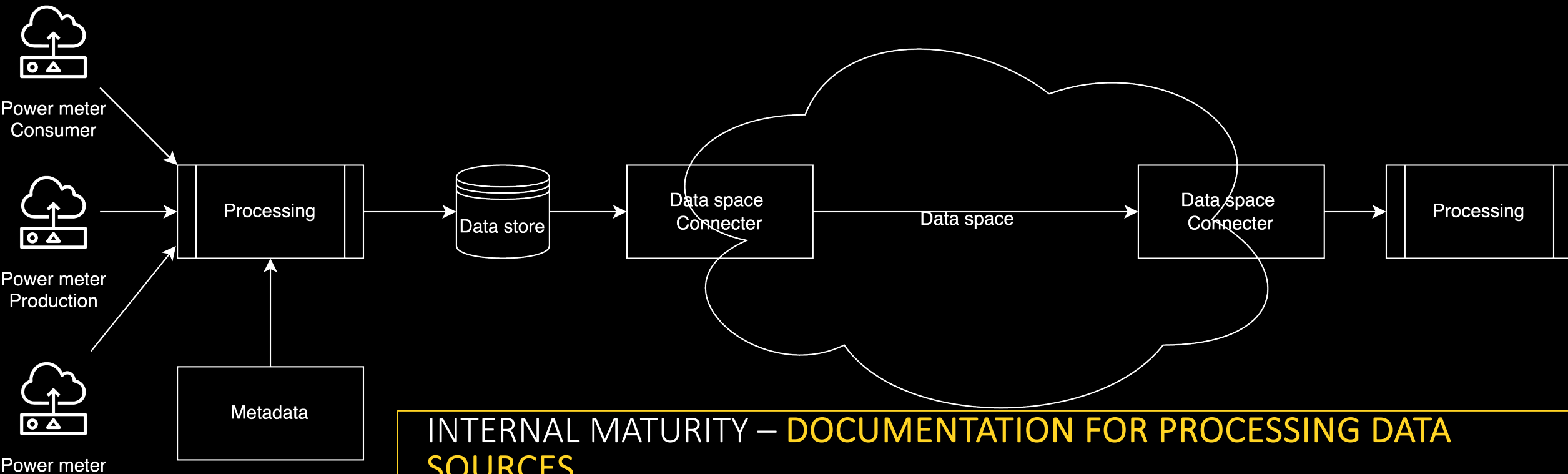
- Unambiguity – e.g. documentation using standards
- Documentation for processing data sources
- Documentation for the context in which data is collected
- How do we ensure the reliability of data?
- And much more

## Data, Information, Knowledge, Wisdom Pyramid





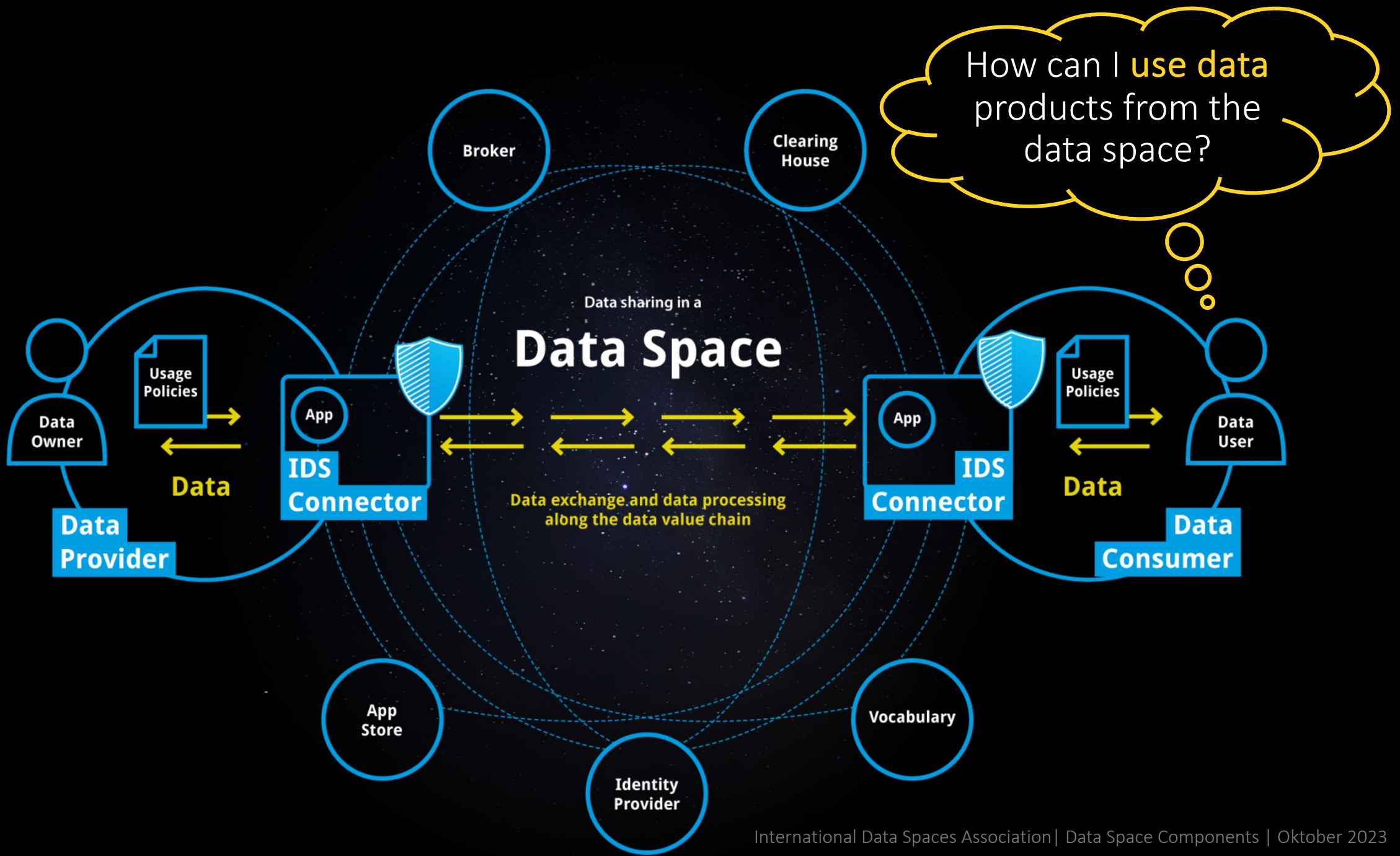


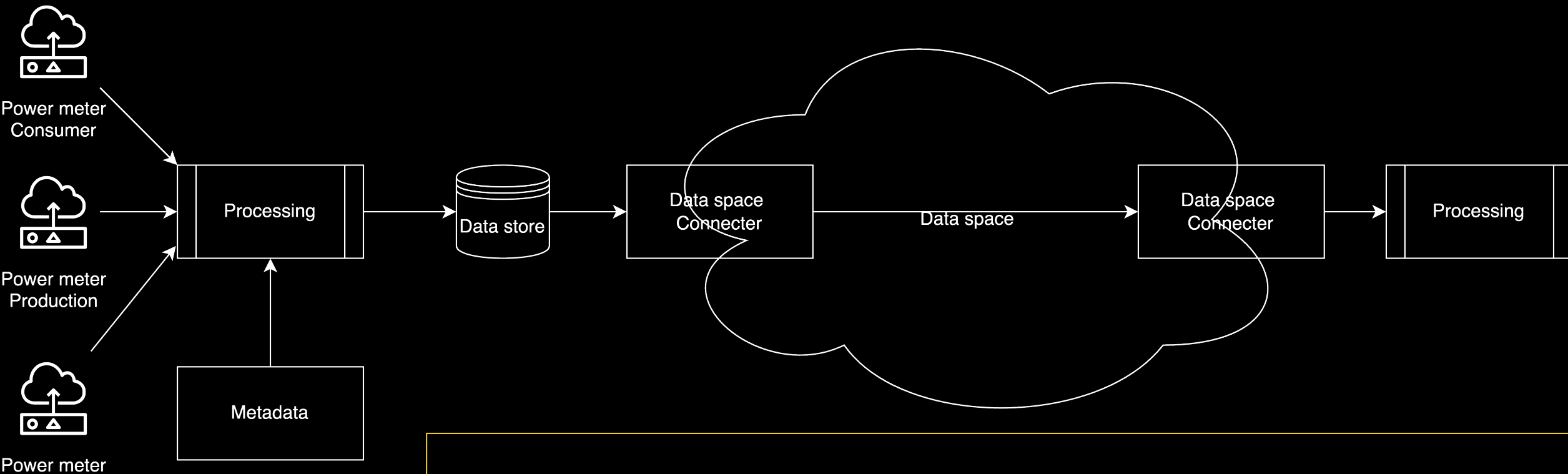


## INTERNAL MATURITY – DOCUMENTATION FOR PROCESSING DATA SOURCES

What is the prerequisite to be able to use data sources shared between actors?

- What collection procedure is used on the data source?
- How was normalization done?
- What processes are the data sources used?





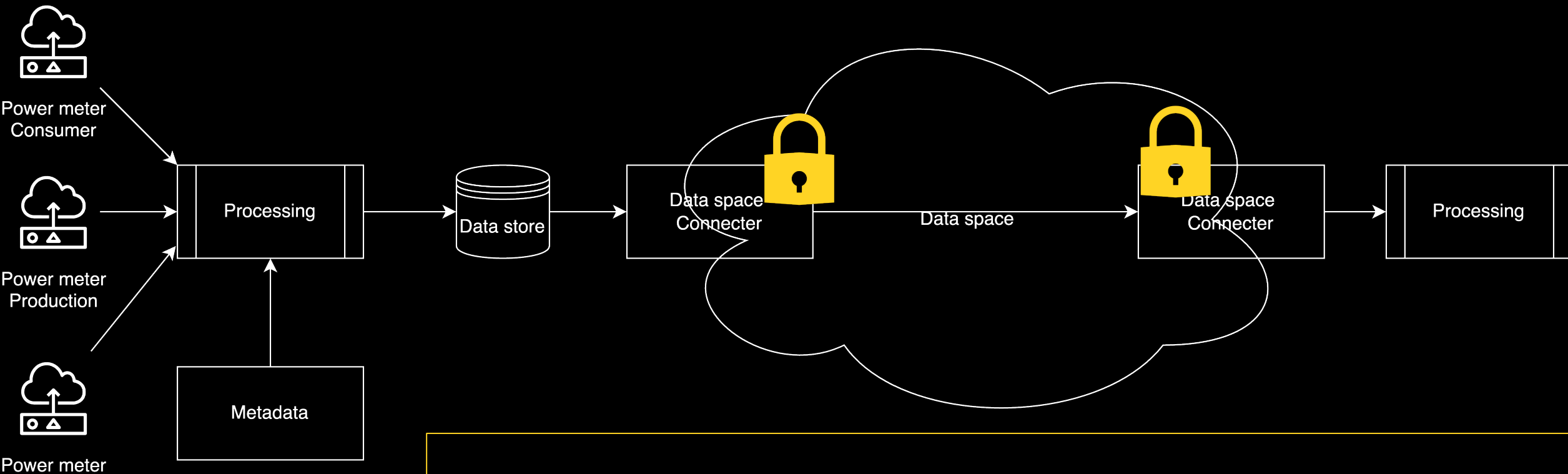
## INTERNAL MATURITY – TRUSTWORTHY DATA SOURCES

How to ensure the data user that the data product is what it claims to be?

=> **Digital trust**

How do we ensure data integrity?

=> **Mitigation strategy**



## INTERNAL MATURITY – TRUSTWORTHY DATA SOURCES

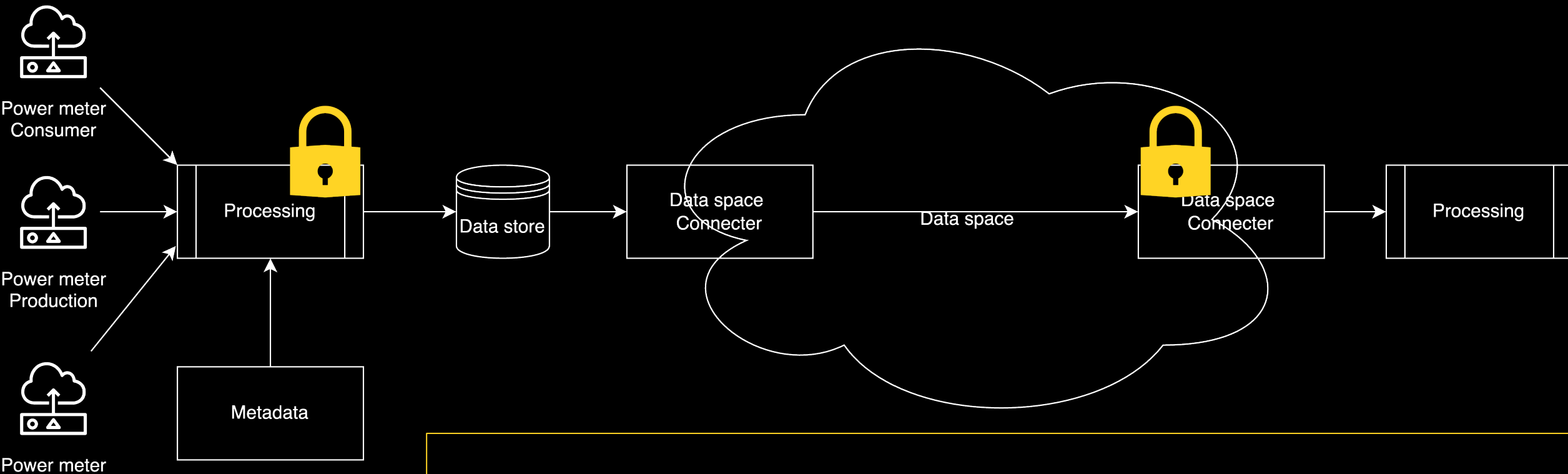
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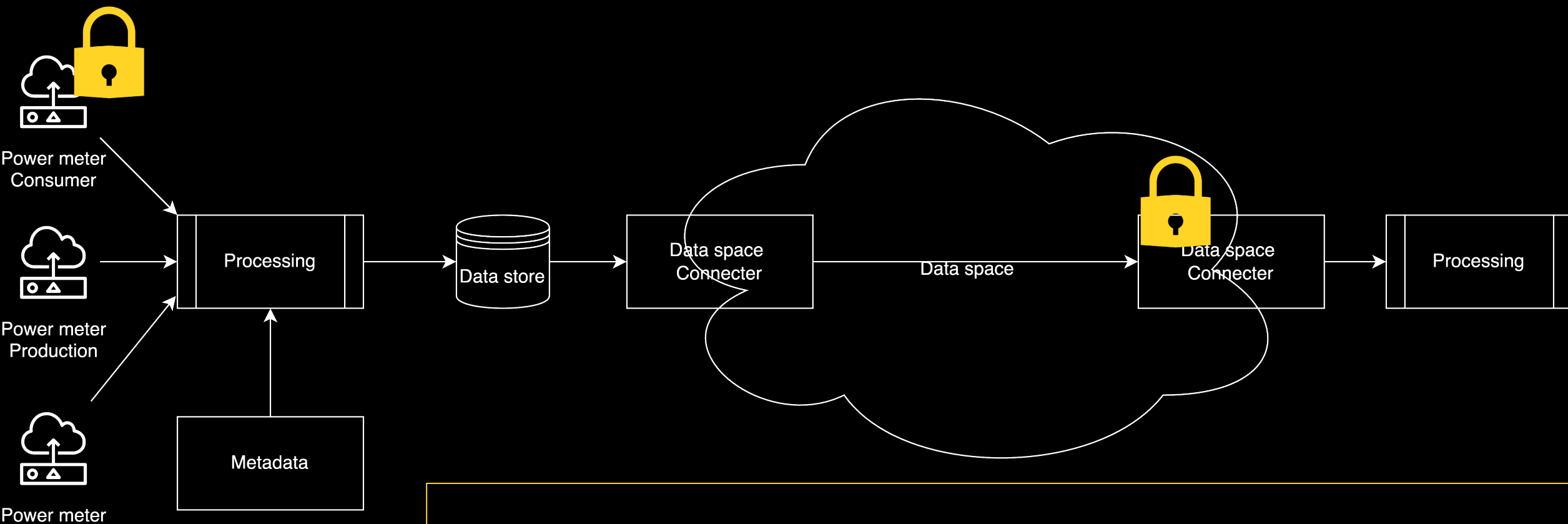
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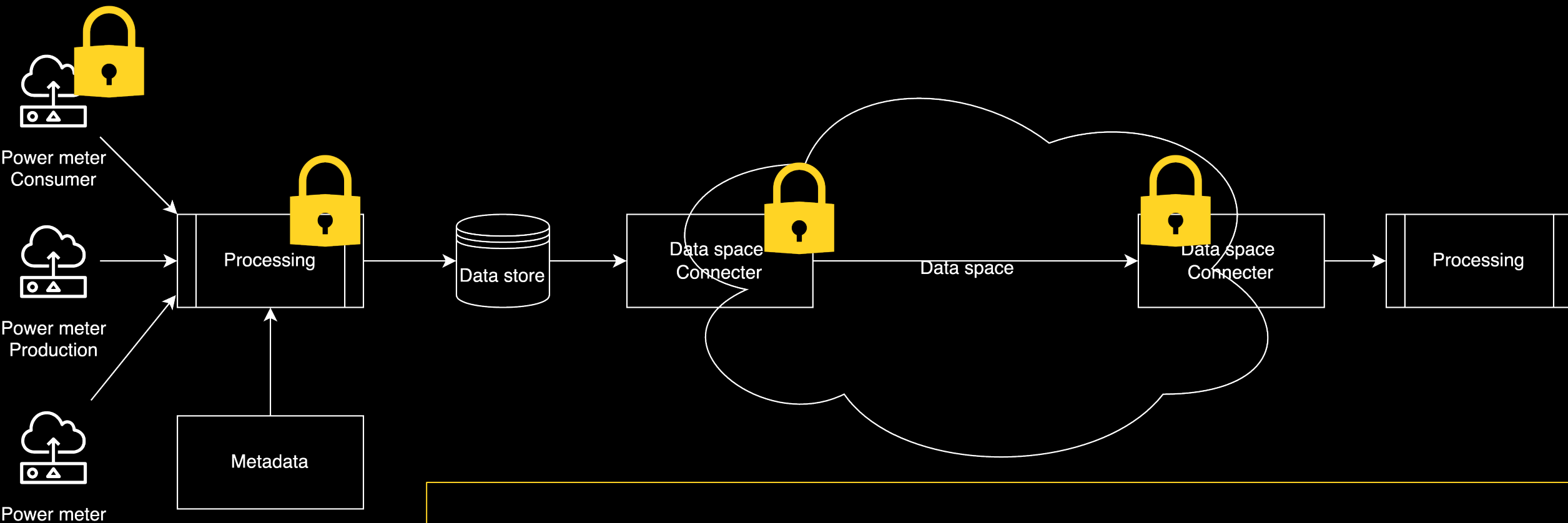
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# Questions?

Jens Hjort Schwee, PhD, Information architect  
JSW@energinet.dk

Energinet would very much like to dialogue with others who  
work within dataspace, contact us at [Dataspaces@energinet.dk](mailto:Dataspaces@energinet.dk)

