# Data management & governance

View on data sharing and data-driven services from within the Dutch energy sector

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# Topics for today

1. Context & ambition
2. Scope & concept
3. Process & status

# Initial drivers for the Dutch data governance programme

**EU CEP: wider exchange of energy data**

- CEP (incl. art. 23 & 24, data mgt) to be implemented by end 2020

**EZK: new Energy Bill development**

- Energy Bill addressing CEP implementation (incl. data mgt)
- Ambition: building a digital economy through data sharing coalitions (also cross-sectoral)

**ACM: vision on data governance**

- Regulator (ACM) identifies shortcomings in existing model and shares vision on data governance

# Ambition: improve governance, rules & systems for data exchange & market facilitation

**Customer centric**
The customer gives individual consent to all ‘qualifying parties’ (without a legal task) that want to use his data

**Collectively**
Grid operators are collectively responsible for optimal and independent market facilitation (policy making and execution)

**Current roles and responsibilities**
Legal responsibilities of grid operators and roles of the various market parties are respected. Codes and sector agreements are complied with

**Effective**
The sector governance provides fast and effective decision-making for both rules and regulation, and for process and IT modifications

**Independent**
The market facilitation system operates objectively, transparent, and facilitates the market in terms of societal interests

**Wide acceptance**
Decisions require a sufficient basis of acceptance by all relevant market parties, taking into account their tasks, roles and responsibilities

**Accessibility**
Parties get access to data under equal conditions, based on customer consent, a legal tasks, or another valid basis for the processing of personal data

**Cost effective and efficient**
The cost efficient system builds on existing elements, and ensures optimal coupling of files to ensure that data is stored only once (at the data source) and is accessible 24x7

**Future proof**
In the future, the market should be facilitated in an optimal way, both physical as well as digital

**Quality and service standards**
Sufficient guarantees for quality of data and processes; requests from market parties should be threated adequately and at a societal justified cost level

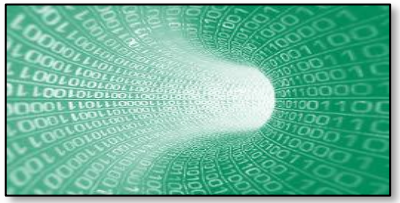
# Identifying the data sharing stakeholders in the digital ecosystem of DSOs & TSOs

- **Customers**
- **Existing market parties**
  - *Suppliers, Generators*
  - *Metering companies*
  - *BRPs*
- **New market parties**
- **Government, municipalities**
- **Other sector market parties:**
  - *Finance*
  - *Transport*

- **Municipalities**
- **Regulators**
- **Policy Makers**
- **Market Parties**
- **Other grid companies**
- **Other sectors:**
  - *Transport*
  - *Building*

**Customer & Markets data management**

**Infrastructure Operations**



**Grid analysis & Planning**

**System Operations**

- **Customers**
- **Contractors**
- **Installation companies**
- **Other Infrastructure providers**
- **Asset vendors**
- **Cross sectoral (energy & X sector)**

- **TSO & DSO system operations**
- **Flexibility Service Providers**
- **BRPs, CSPs & BSPs**
- **DA & ID market operators**

- **Shareholders**
- **Investors**
- **Policymakers**
- **Media**

# … and their specific use cases regarding exchange of energy data

***Market Facilitation:***
- Traditional market facilitation processes (switching, metering, A&R)
- New services (price comparison, tailor-made offerings, ESCO services, …)
- Research and statistics (national energy balances, domestic consumption, …)
- Open data

***Key enablers:***
- Identification, authentication and authorization (consent mgt.)
- Transparency (towards customer): data access rights, data usage, …
- Operational requirements: data findability, standardization, interoperability, SLAs, …

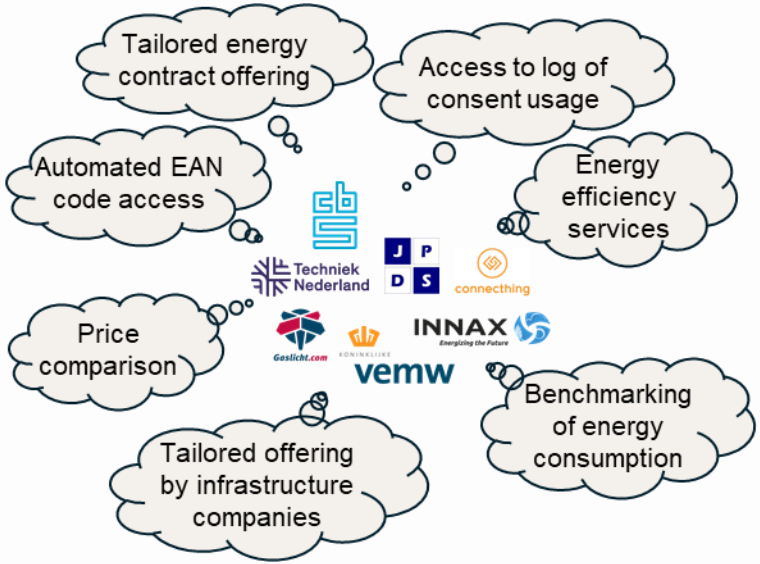
***Infrastructure Operations:***
- Ordering and track & trace
- Operational planning with customers, outsourcers and other infrastructure providers

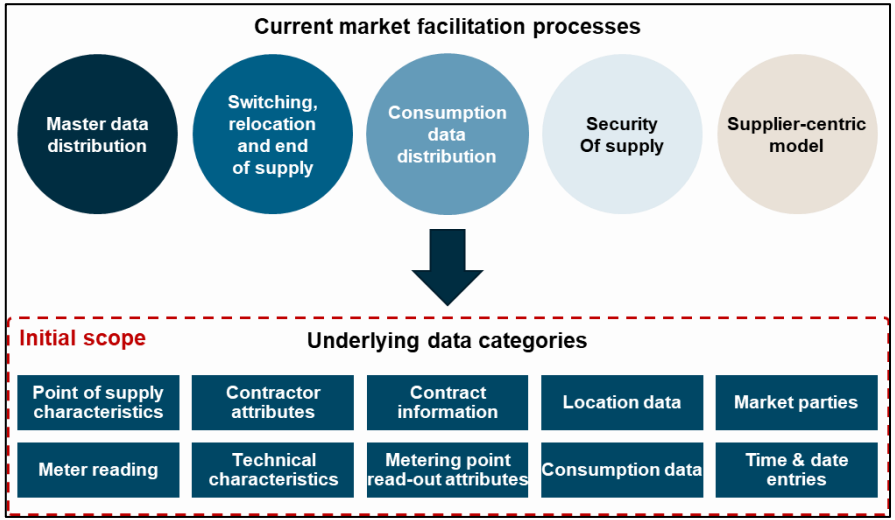
***Planning Alignment:***
- City & RES planning data from municipalities
- Roll out planning EV CSPs
- EV planning in public transport
- Energy efficiency plans from building corporations
- Network development planning grid operators

***Corporate:***
- Corporate performance
- Media communications

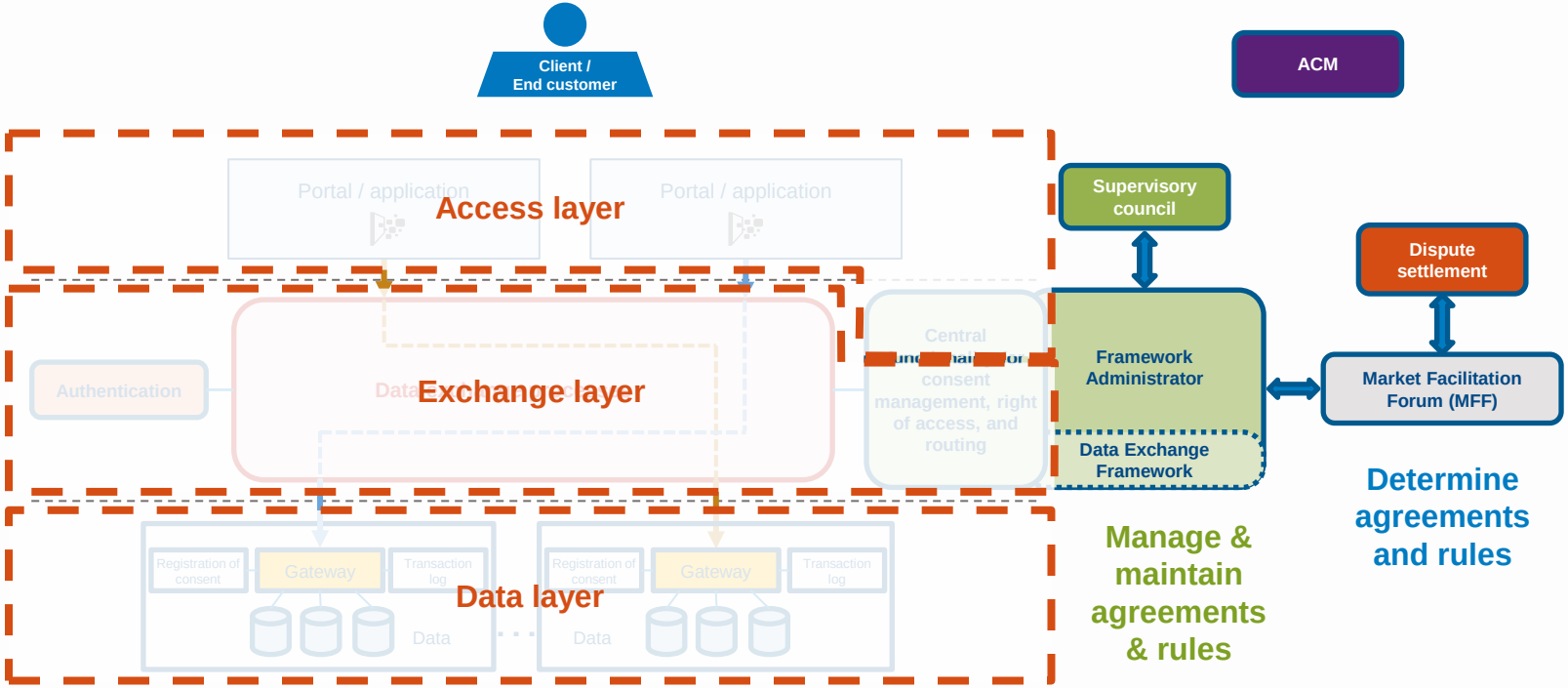
***System Operations:***
- Customer outage management
- DA & ID grid capacity forecasting
- Market interaction on congestion & balancing
- Flexibility procurement

# First scope: data for market facilitation processes, driven by stakeholder use cases

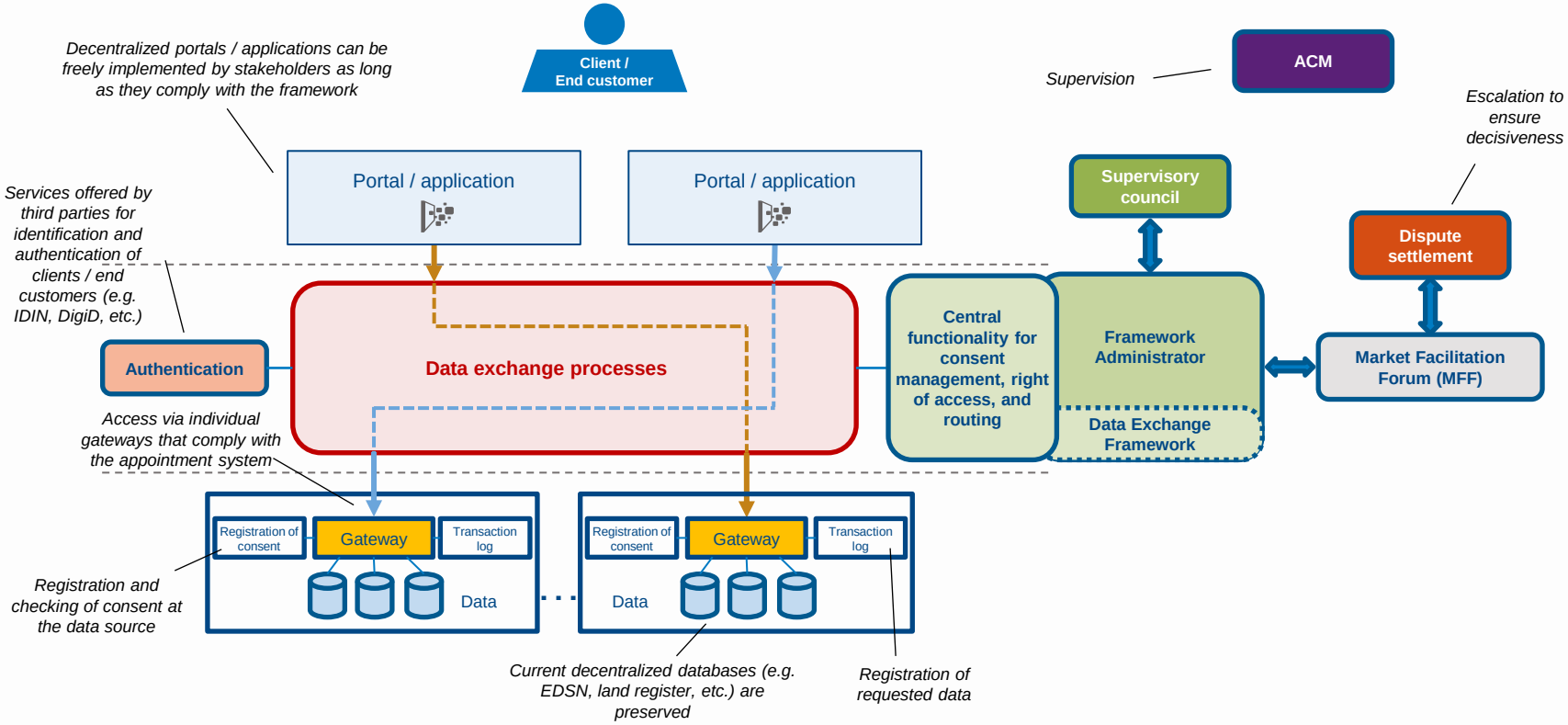


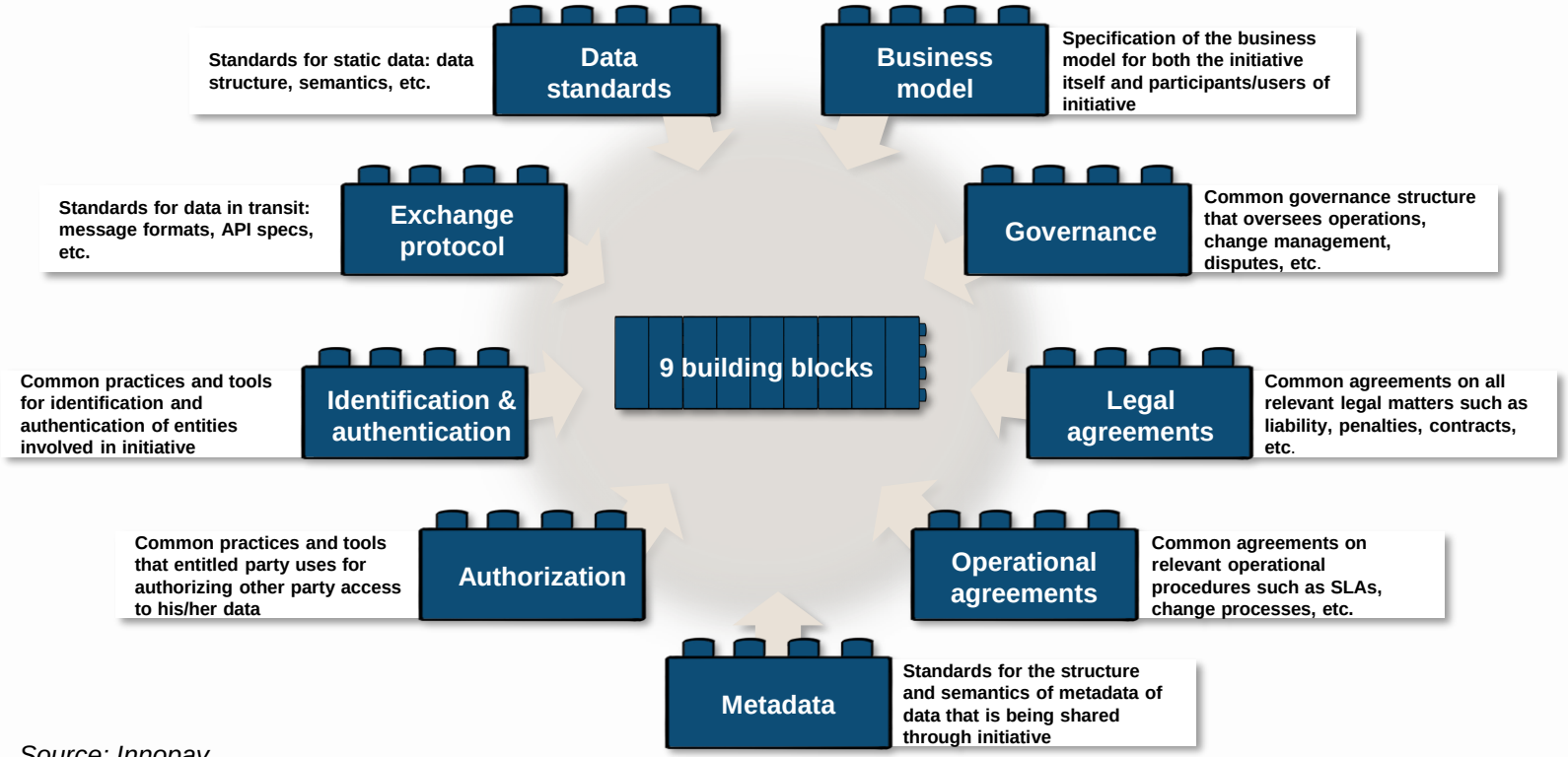
# Governance structure allows to set & maintain the rules based on input from market parties



# Overview of joint concept: exchange of decentral data based on central framework



# Energy Data Exchange Framework components




*Source: Innopay*

# Clear governance and roles of the energy data exchange framework

## Market Facilitation Forum (MFF)

## Framework Administrator

**What?**

- Formulates a decision w.r.t. adaptations to the rules regarding:
  - **what** data is exchanged (Information Code)
  - **how** data is exchanged (DEF)

- Executes decisions
- Facilitates and supports the MFF
- Administers framework w.r.t. process & content
- Coordinates implementation of sector releases

**Who?**

- An open (discussion) forum with membership thresholds as low as possible
- All relevant stakeholders can participate, albeit through representation

- Legal entity, with a management, topic managers and supporting office
- Execution by the grid operators
- Neutrality secured through supervisory board

# Process & status (October 2020)

- 2018: discussions between TSO & DSO on data mgt resulting in an agreement on high level concept outline & principles
- 2019:
  - *Feb-May*: discussion with ministry (EZK) & regulator (ACM), preparing market dialogue
  - *June*: start of open market dialogue sessions with all stakeholders (existing and new roles)
  - *Dec*: agreement reached with all stakeholders, positive appreciation of ministry (EZK)
- 2020:
  - *Jan-March*: preparation of implementation (‘20-’21)
  - *March-Today:*
    - Collaborative working sessions on governance structure and legal design *(to be finalized by end ‘20)*
    - Analysis of legal barriers
- 2021:
  - Governance transition
  - Start of technical workstream

*Market dialogue with all stakeholders 13-12-2019*

# Thank you

# Questions ?

*Recommended reading*