



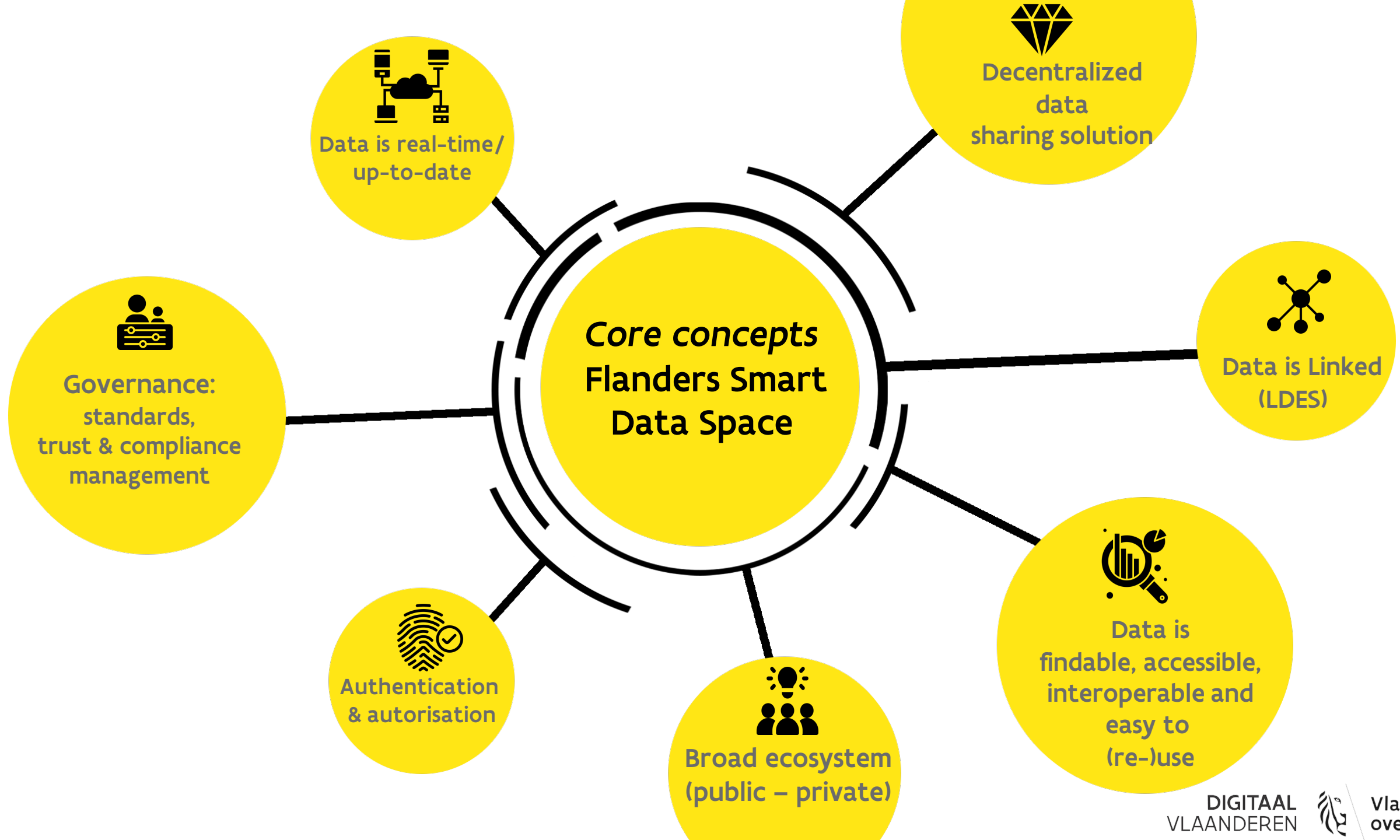
Flanders  
State of  
the Art

# Flanders Smart Data Space

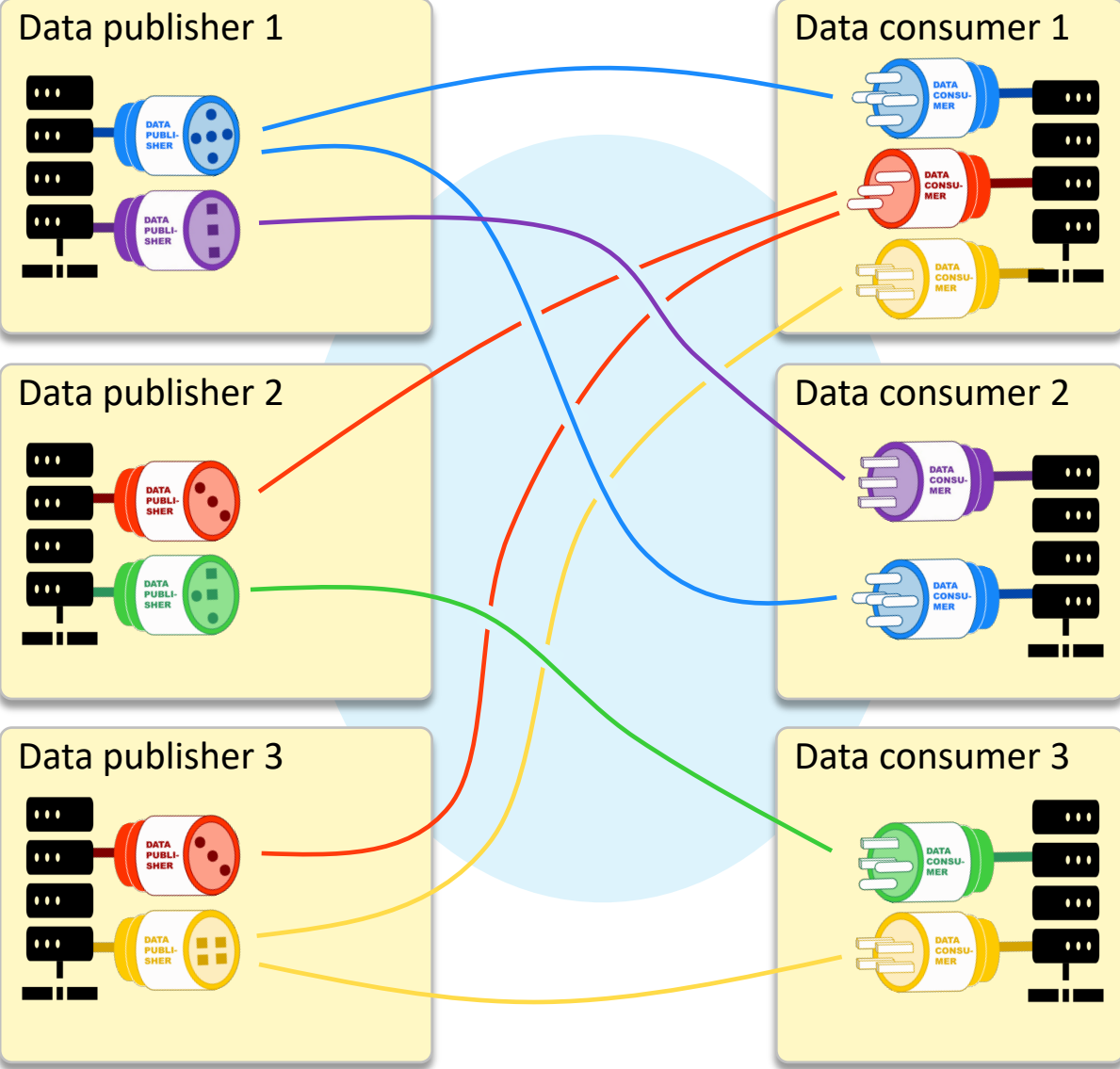
**MegaBITS webinar**

September 15th 2023

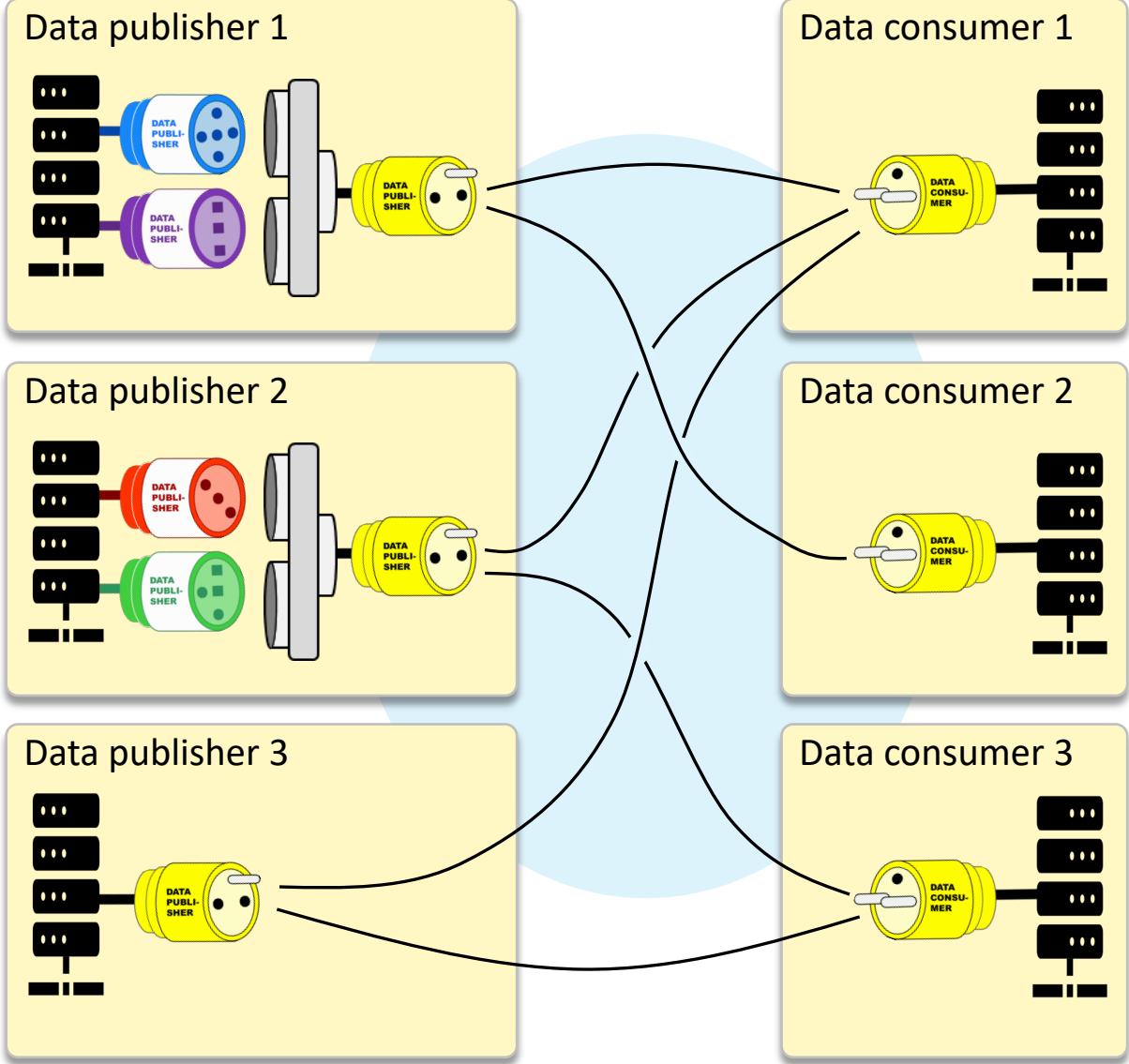
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### AS-IS: Different manners to share data



### TO-BE: Standardised data exchange



# - Traffic measurements -

Measuring the amount and speed of vehicles, bikes, walking on a specific location

Tijdelijke telling



Telcampagne



Fietstellingen



ANPR



Vast meetpunt



Toegangsensor



A wide range of technics, each with own strong points

A lot of data protocols

Used for diverse set of use cases by a large number of stakeholders

# - Traffic Measurement value chain -

If you need traffic measurements, you need to buy them

Sensor producent

Import / reseller

Installation /  
service

Data platform

Data application

Data analysis

=> linear closed value chain

Can we change this and **re-use** traffic data?

# - Traffic Measurement Data Space -

1. **Understandable** => Standardization trajet with the community
2. **Exchangable** => Roll-out the data space
3. **Re-Usable** => Building an eco-system, adding different data sources
4. **Future Proof** => governance with relevant public and private actors

**Launch on the 5th of December**

# Lessons learnt

- **Alignment within a community is essential**
- **Standardization is key**
- **Search for win-win**
- **Define your use case and ambition**
- **First walk, than run**

# My personal suggestions on Floating Bike Data

## What do you need?

- **Trip decisions** (travel demand)  
=> general OD data, demand elasticity , ...
- **Modal decisions** (switching modes)  
=> bike parking data + usage data other modes
- **Routing decisions** (infrastructure choice)  
=> **floating bike data** + bike measurements
- **Operational decisions** (waiting times, local speeds, traffic signal detection, ... )  
=> floating bike traces, C-ITS



# My personal suggestions on Floating Bike Data

- **Bike users** are very **diverse** (commuting, sport, touristic, electric bikes, ...) => this leads to skewed, small and diverse data sets
- Do not start from a blank sheet => 15 year of **floating car data** experience out there
- **Matching** diverse traces on a consistent **digital map** is the most important technical step
- **No** hard problem can be analysed based on a **single data source** => combine, fuse, model, ...



**The END**

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