Data Spaces Symposium

Data Space Connector as a Service:

an enabler for SMEs to enter the data economy

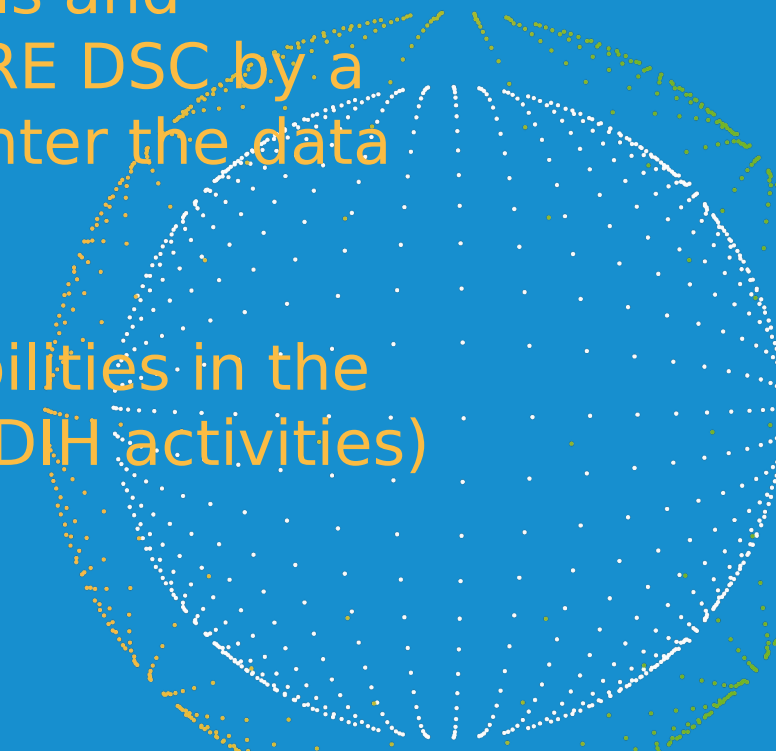
FIWARE iHubs | DSCaaS Cluster

DSCaaS.org

Vincent Demortier
DIH FbN

FIWARE DSCaaS goals = ADOPTION

- Make Data Spaces **understandable and affordable for SMEs and territories**
  (for people that are NOT DS expert)
- **Empower the FIWARE iHubs network** with tools and methodology to support the adoption of the FIWARE DSC by a wide range of stakeholders (especially SMEs) to enter the data economy
- Offer Data Spaces Connector “as a service” capabilities in the context of **“TEST BEFORE INVEST” approach** (DIH activities)



FIWARE DSCaaS deployment = COLLABORATION

- In the continuity of the **involvement of front runners DIHs** and FIWARE Foundation in the EU.H2020 project i4Trust.
- Creation of a **FIWARE iHubs cluster** managing a common effort and a common budget through a collaborative governance.
- Connections with hubs from the **DSBA network** : Gaia-X, BDVA, IDSA

i4Trust

FIWARE iHubs | DSCaaS Cluster

The DSCaaS cluster

5 DIHs used to support SMEs and Territories in their digital transition

Strong concrete experience in Data Space thanks to participation in i4Trust.

FIWARE iHubs | DSCaaS Cluster

DIH FbN FIWARE iHub

Madeira FIWARE iHub

FIWARE INNOVA iHUB

NOSC-UA DIH

TOURILAB

Engage
DIHs, SMEs & SSCC

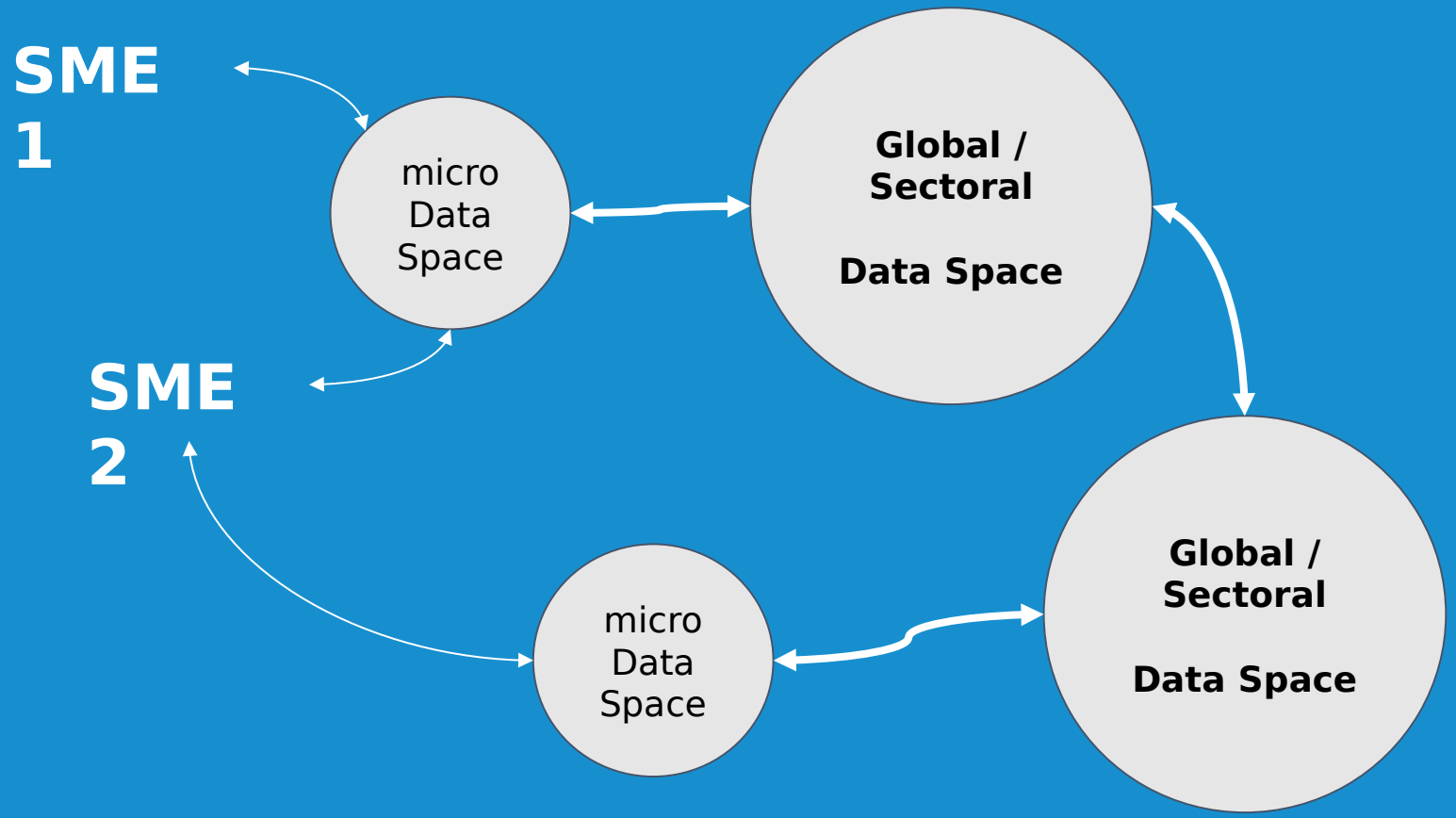
Train
Online material

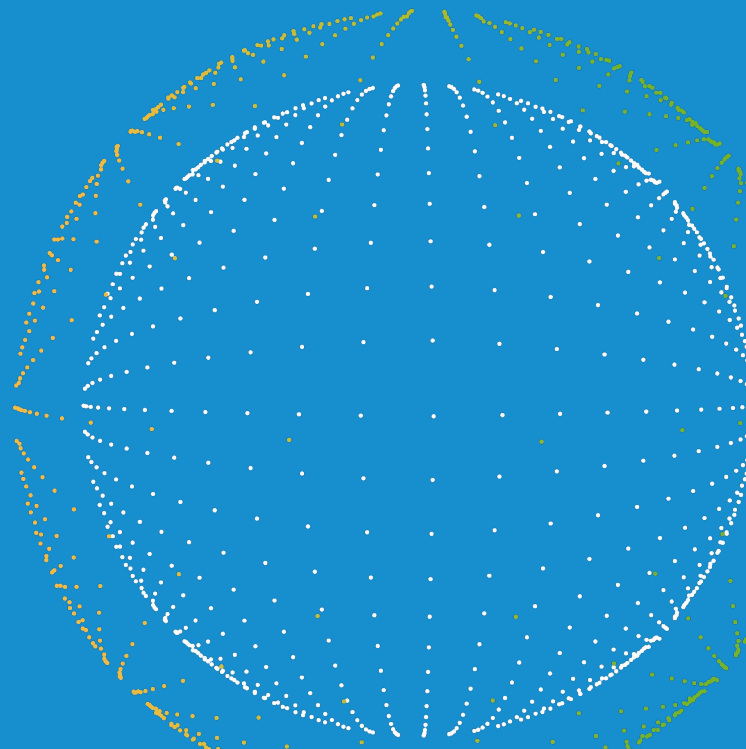
Use
Test before invest

Improve
The features

The DSCaaS , a BOTTOM UP approach

With the **perspective of an SME** acting as data service provider or consumer





The DSCaaS Methodology

ENTER THE DATA ECONOMY

1
Define harmonized
DATA MODELS

2
Create (real)
DATA SAMPLES

3
Define the
DATA SERVICES

4
Distribute
DATA OFFERINGS

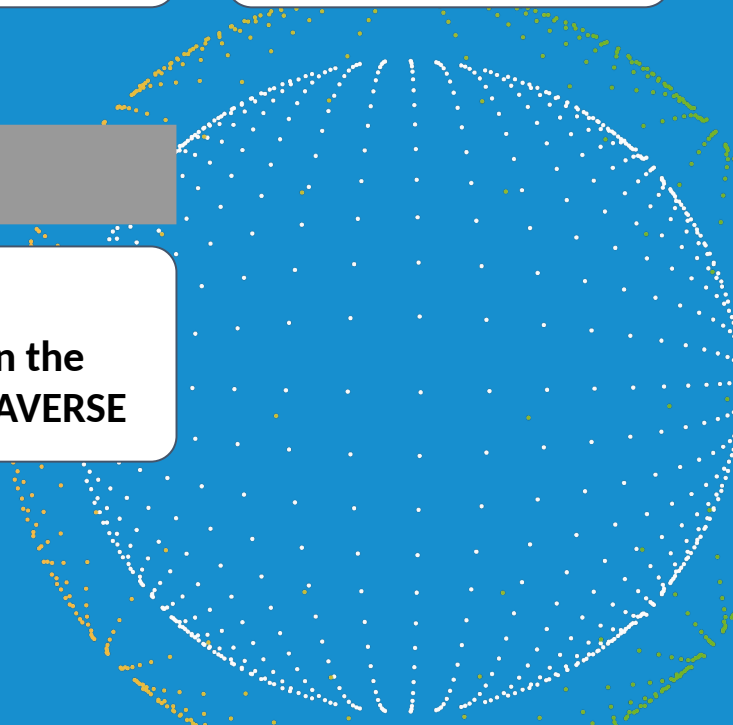
5
Control
DATA USAGE

INNOVATE IN THE DATA ECONOMY

6
Leverage the
(BIG) DATA TREATMENT

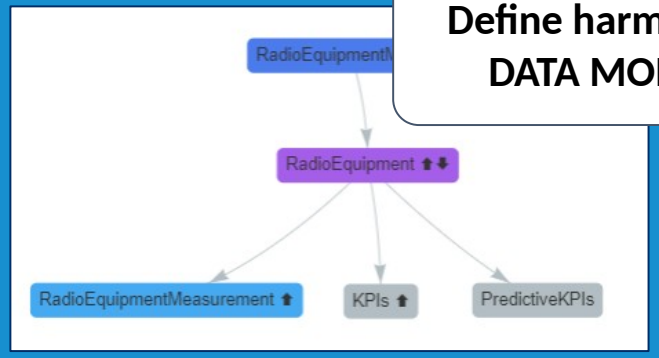
7
Structure
DIGITAL TWINS

8
Interact on the
AR/VR/METAVERSE

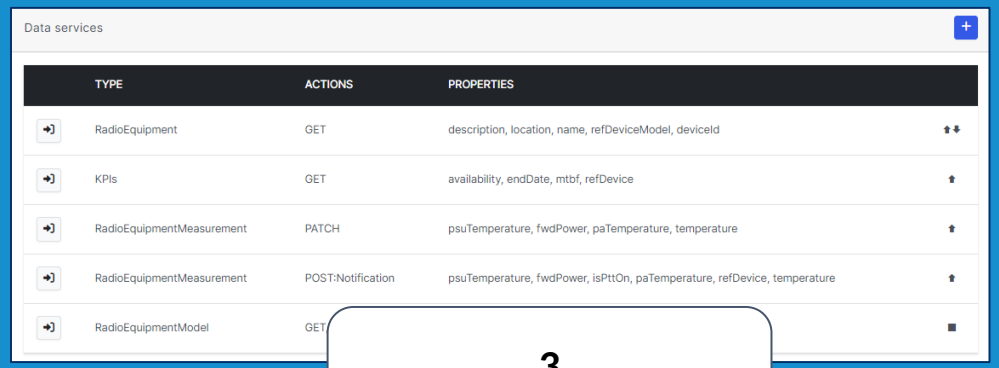


The DSCaaS tools: integrated in ouranos-ws

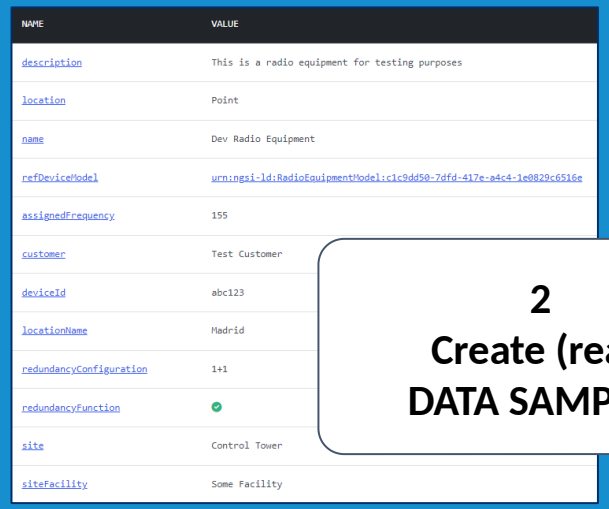
Powered by FIWARE



1
Define harmonized DATA MODELS

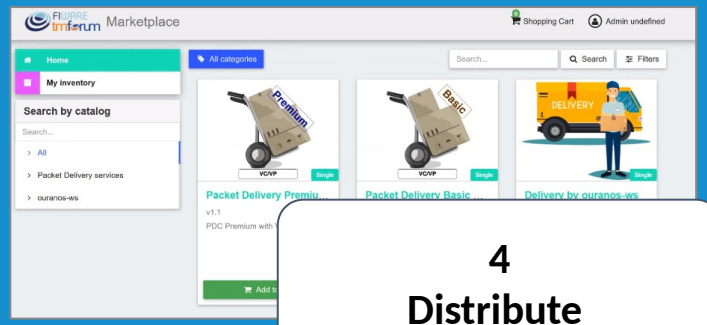


3
Define the DATA SERVICES

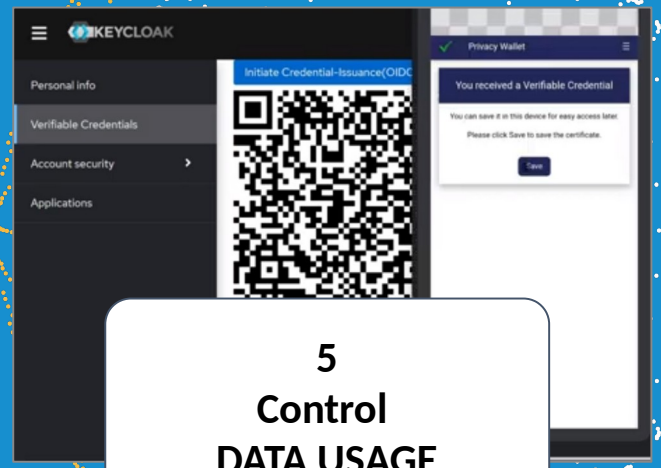


2
Create (real) DATA SAMPLES

Existing / Legacy systems, IoT, ...



4
Distribute DATA OFFERINGS



5
Control DATA USAGE

The DSCaaS in action: use case 1

Spare P

Data sharing as enabler of the circular economy within the automotive ecosystem

SME 1 : Composite Car Parts Manufacturer

yanara composite repair

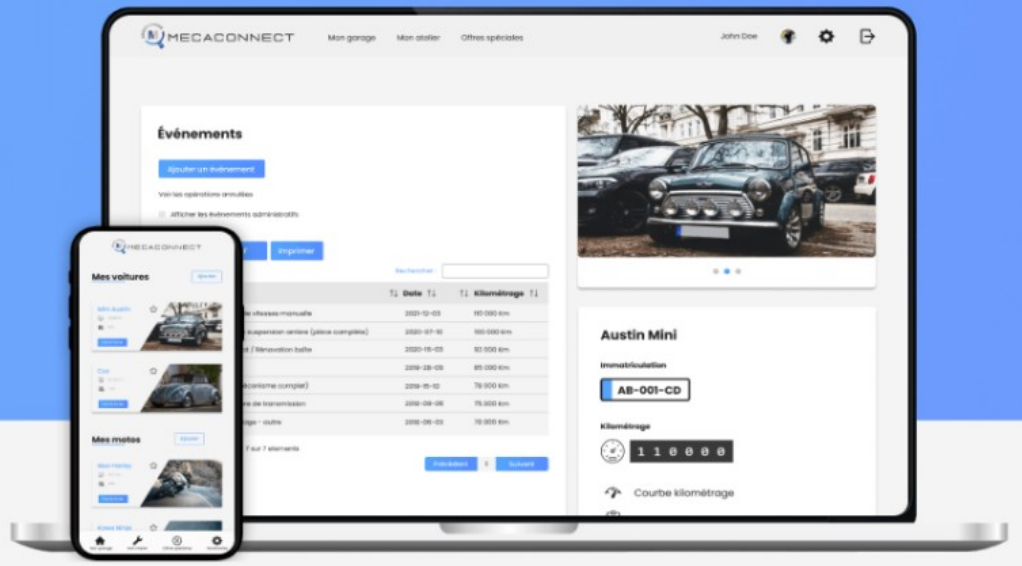
Business challenges:

- Anticipate and automate the damaged spare parts diagnostic to make decision on repair operations
- In order to optimize the cost and the value of the repaired parts
- Individual tracking of the high added value parts

SME 2: Digital Service Provider

MECACONNECT

MECACONNECT
YOUR DAILY ASSISTANT
Record the life of your property, create your maintenance alerts, keep your evidence and share your information securely.



Business challenges:

- Extend the services from vehicle to components and spare parts levels
- In order to support spare parts re-use verification & trading
- Flexibilize data collection, data sharing and data ownership transfer

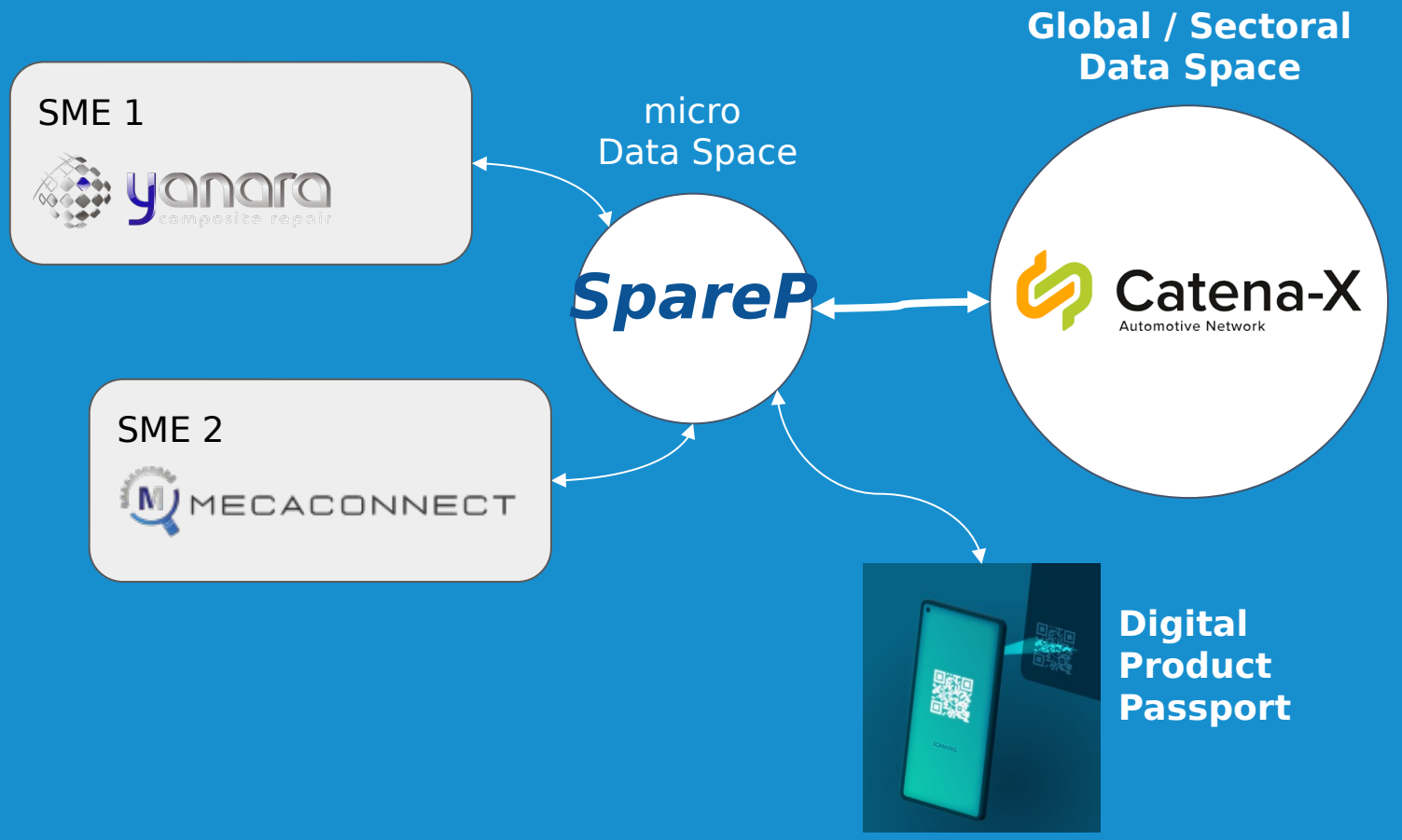
Business scenario

SpareP

Trusted Ecosystem

After a minor crash, the front clamshell of my car must be repaired.
Thanks to SpareP Trusted Ecosystem,
I’m going to use my Mecaconnect app to ask for - and get - the expected spare part,
remanufactured by Yanara

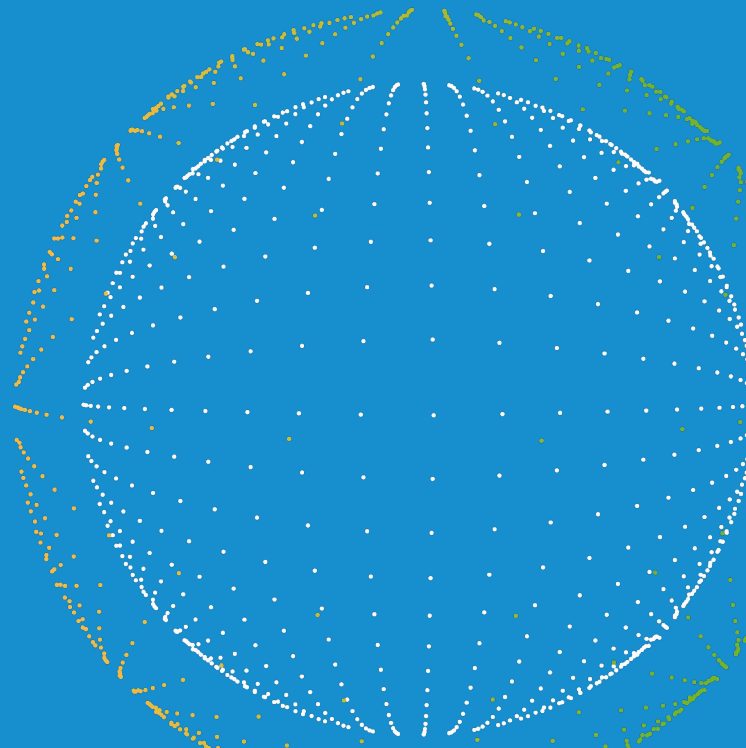
Act local, think global



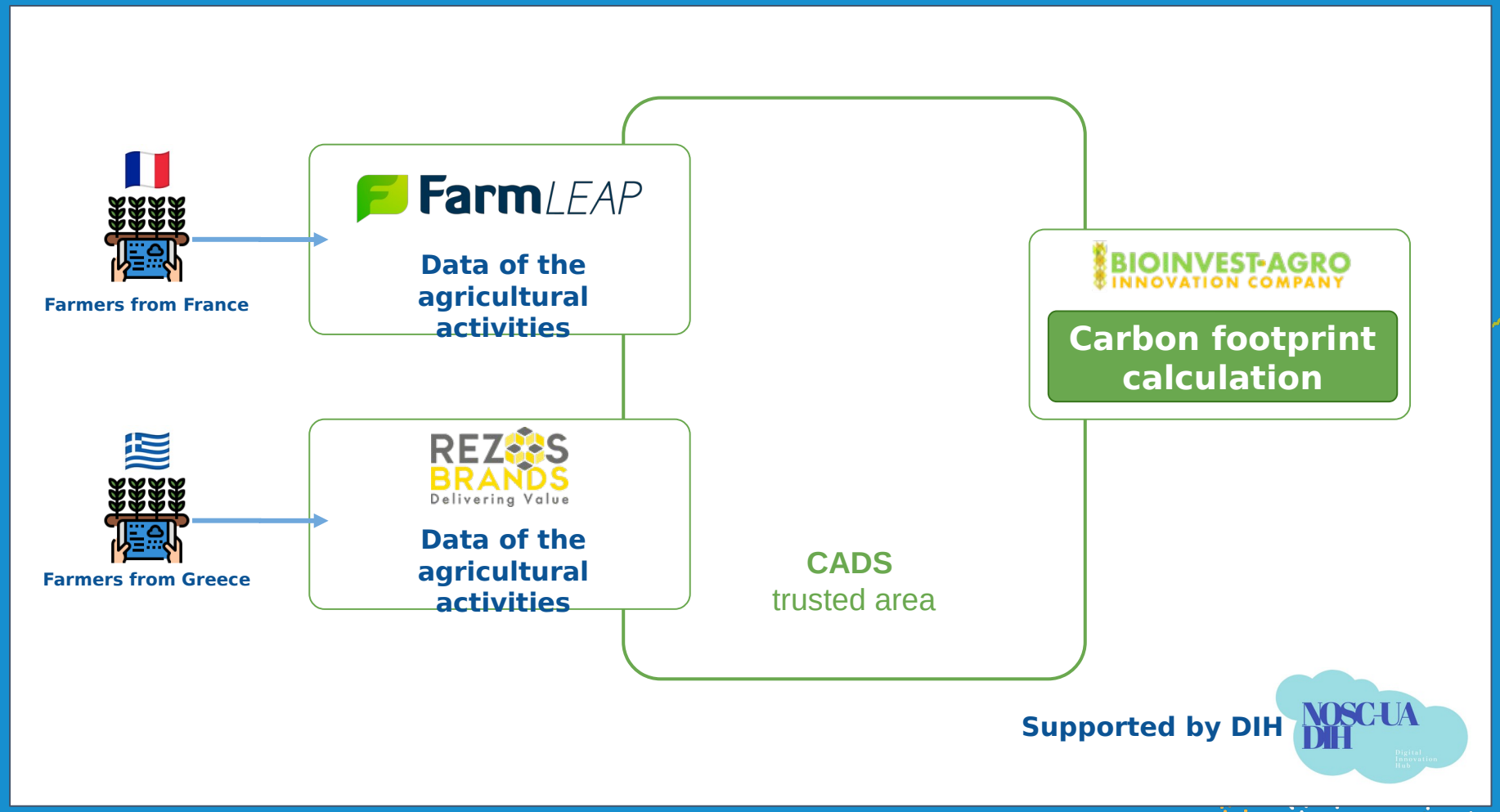
The DSCaaS in action: use case 2

CADS

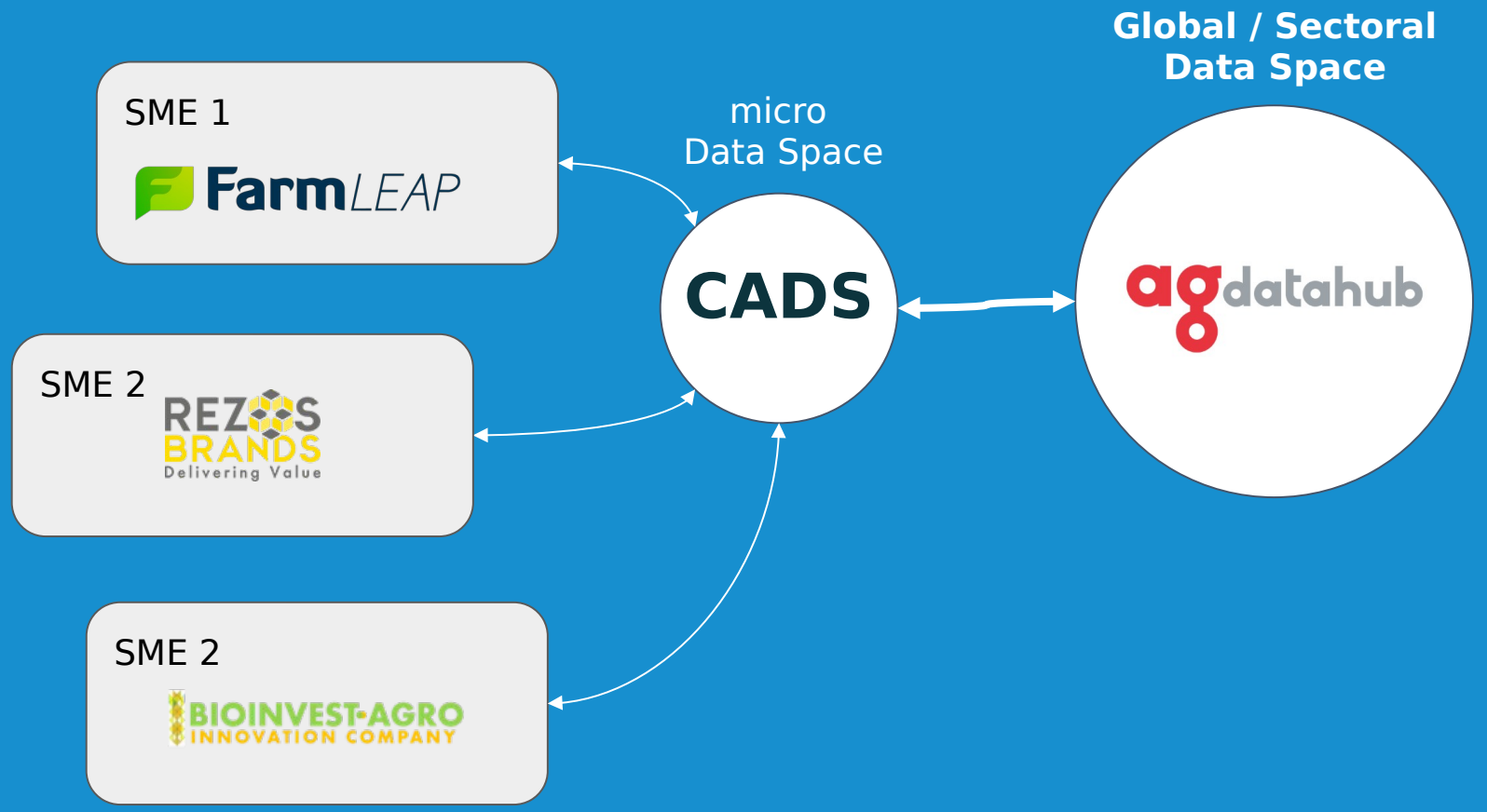
Carbon Agri Data Space



Business scenario



Act local, think global



SMEs, Territories, DIH: JOIN DSCaaS !

DSCaaS.org

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