

AMdEX

AMdEX Community session 11th of May 2023

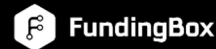
Connecting to AMdEX

Hayo Schreijer, Dexes

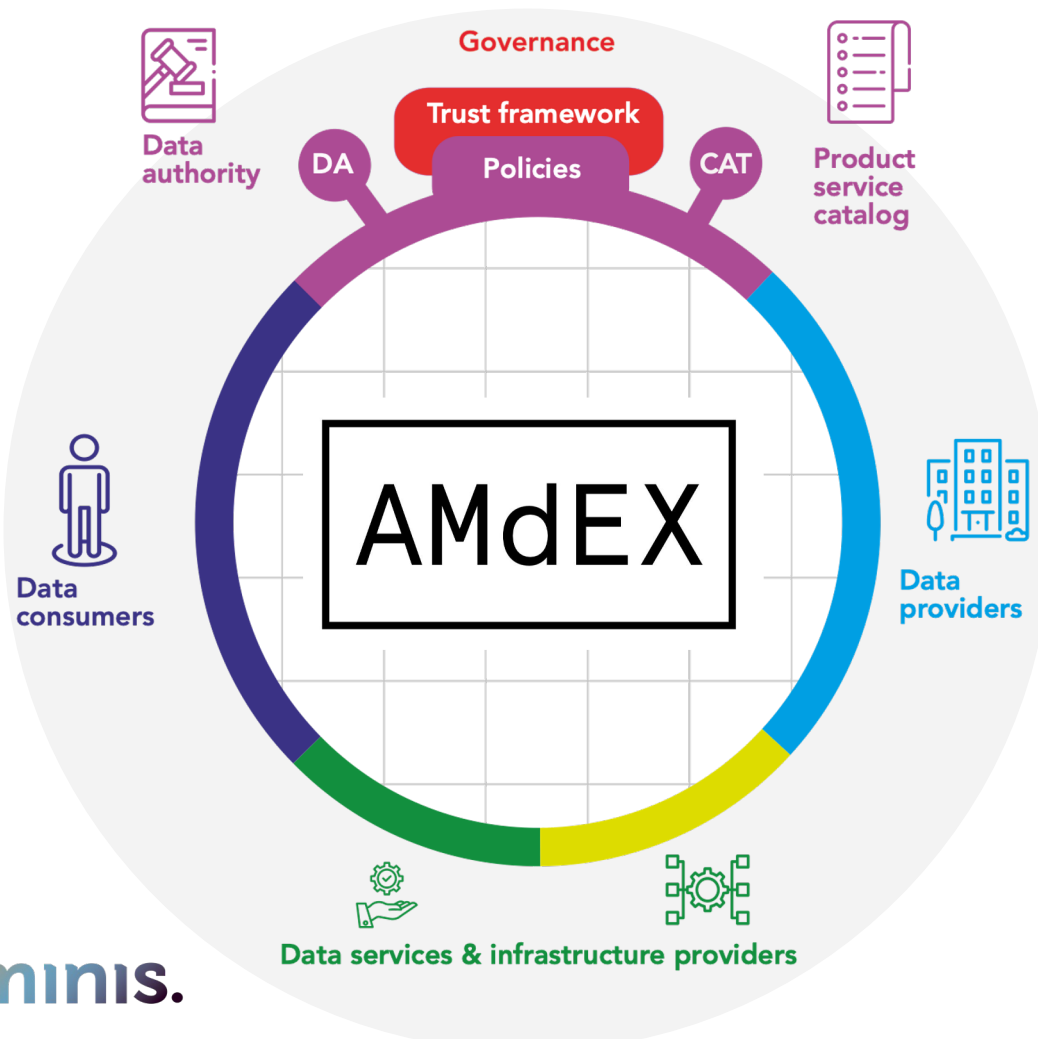


[i4Trust Website](#)

[i4Trust Community](#)



Founding partners:



AMdEX data exchange:
Solving the legal & organizational challenges to share data

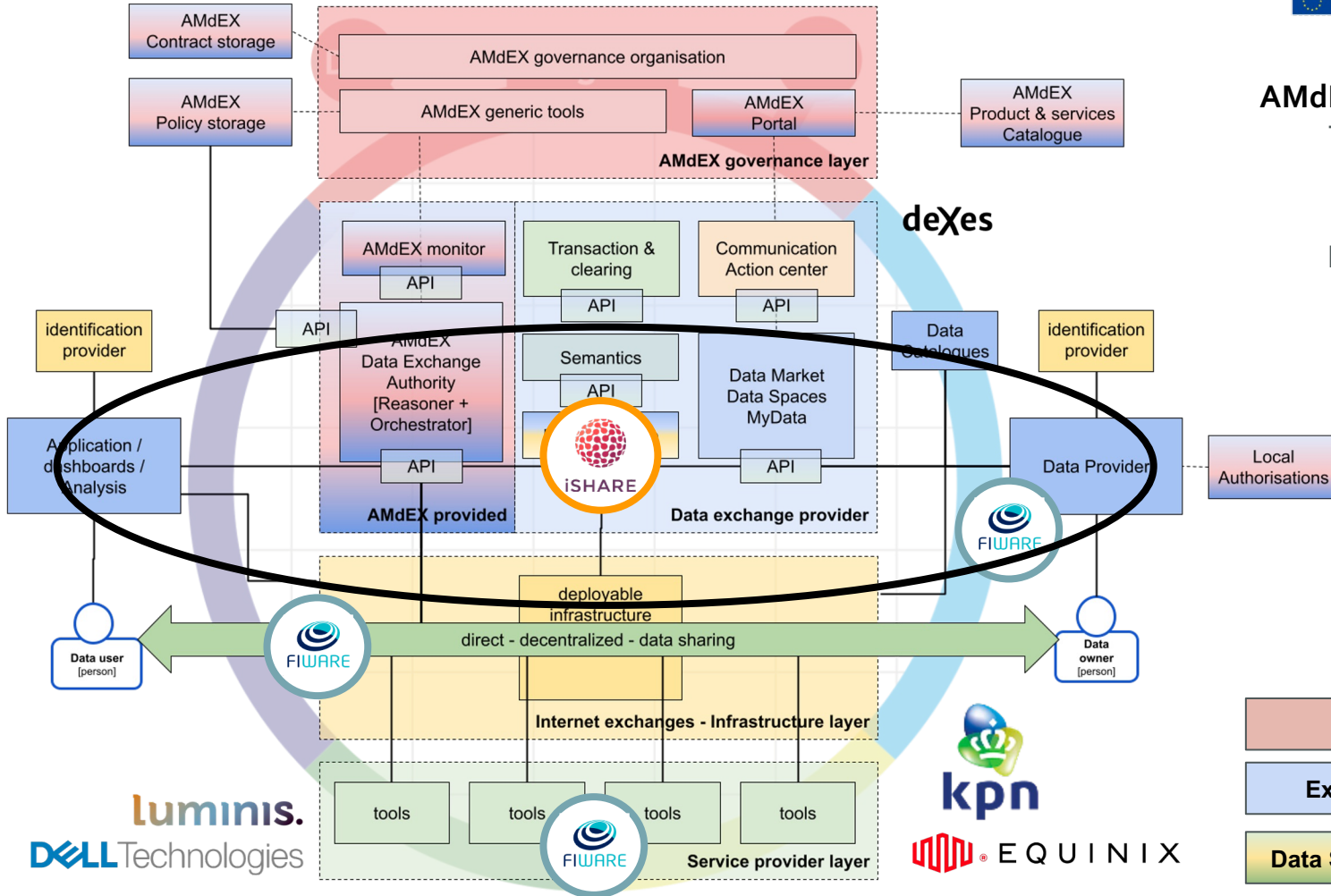
- Strong points:**
- Policy enforcement
 - Fully auditable
 - Transparency
 - Data notary

- Fieldlab Usecases:**
- Sensitive sensor data
 - Smart City data
 - Predictive maintenance
 - Health research data
 - Mobility data



AMdEX data exchange: Trust infrastructure

- Strong points:
- Policy enforcement
- Fully auditable
- Transparency
- Data notary

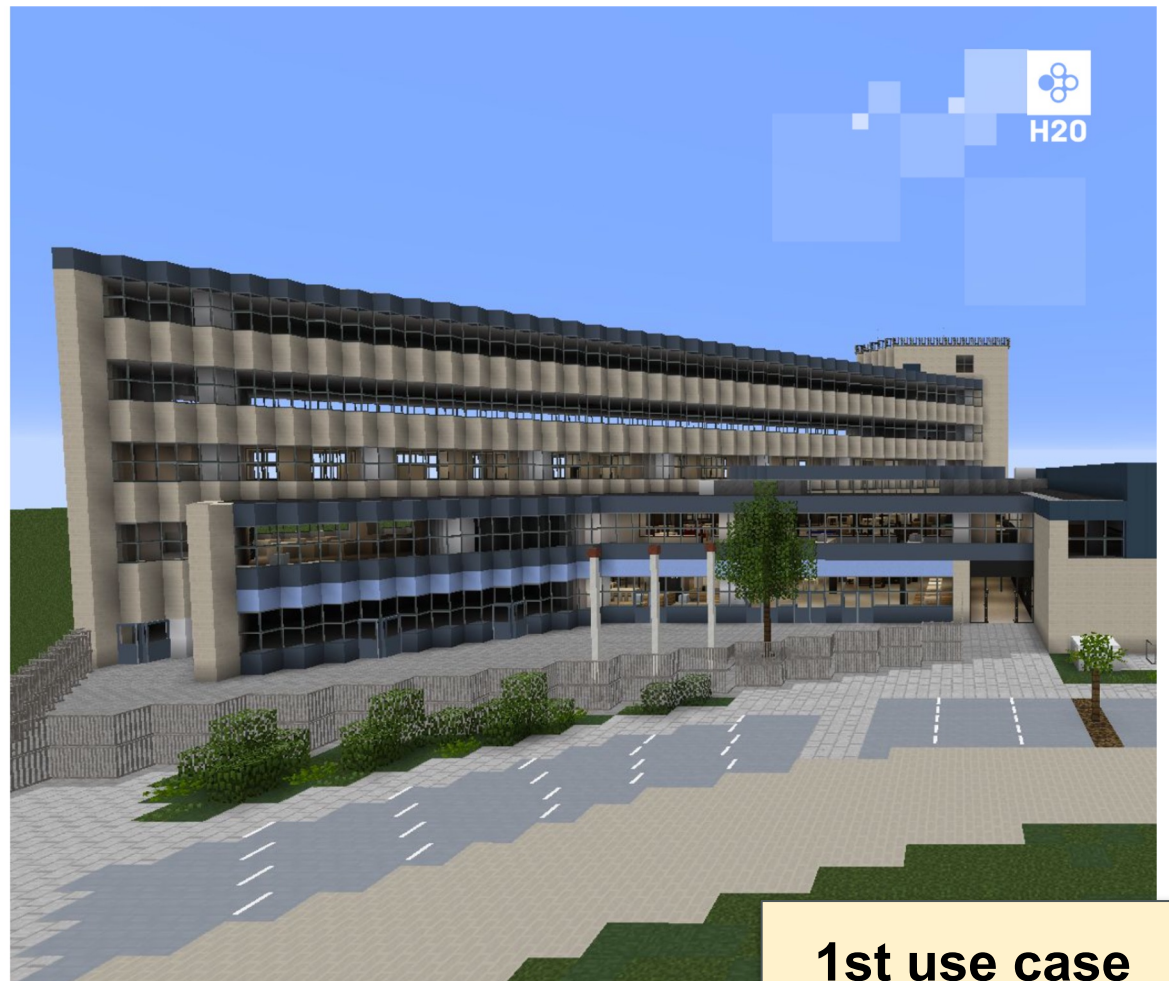


- Governance layer
- Exchange service layer
- Data Service providers layers

H2O ESPORTS CAMPUS AMSTERDAM & RABO ESPORTS STADIUM

THE ONLY ESPORTS TECH CAMPUS IN EUROPE

- * 12.000 m² esports tech academy with 750 m² community area, more than 50 companies/startups and esports/tech education
- * Rabo Esports Stadium Amsterdam, the biggest permanent esports stadium in Europe (1200 m², 2000 visitors)
- * A Virtual Reality Gaming, Sports & Ehealth Centre



1st use case



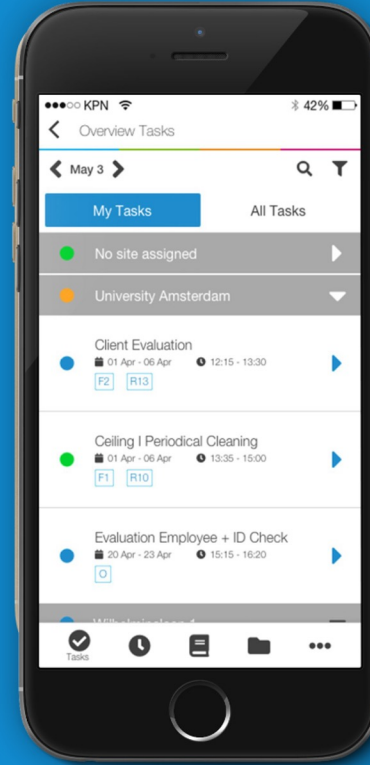
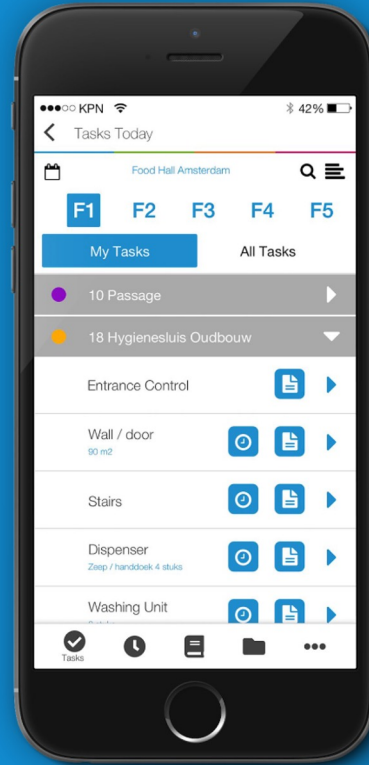
Smart Washroom

- ✓ People counter & occupancy sign
- ✓ Automatic notification of new tasks
- ✓ All data in one dashboard
- ✓ Internet of Things
- ✓ Usage tracking data
- ✓ Sensor activated dispensers
- ✓ Direct Return on Investment



IoT

Tasks on floors, spaces, rooms



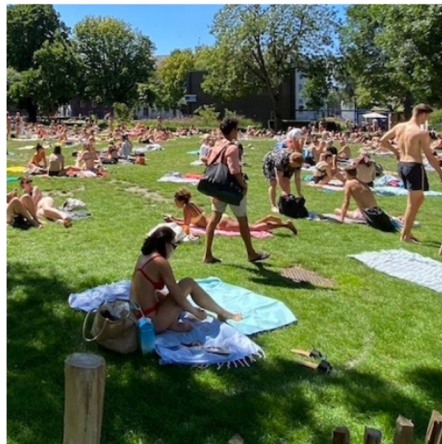
Sensors in public spaces in Amsterdam

2nd use case



Swimming & Sport

- water quality (BACTcontol)
- water temperature (Celcius)
- UV index ,
- air temperature,
- air quality



Busyness

- Picnic
- Boardwalk,
- Terraces,
- Fitness Garden,
- Total Occupancy on MT
- <https://www.mt-dashboard.nl>



Biodiversity

- Light Meter,
- Air Temperature,
- Evaporation rate,
- Moisture Level,
- pH balance, etc.



AMdEX

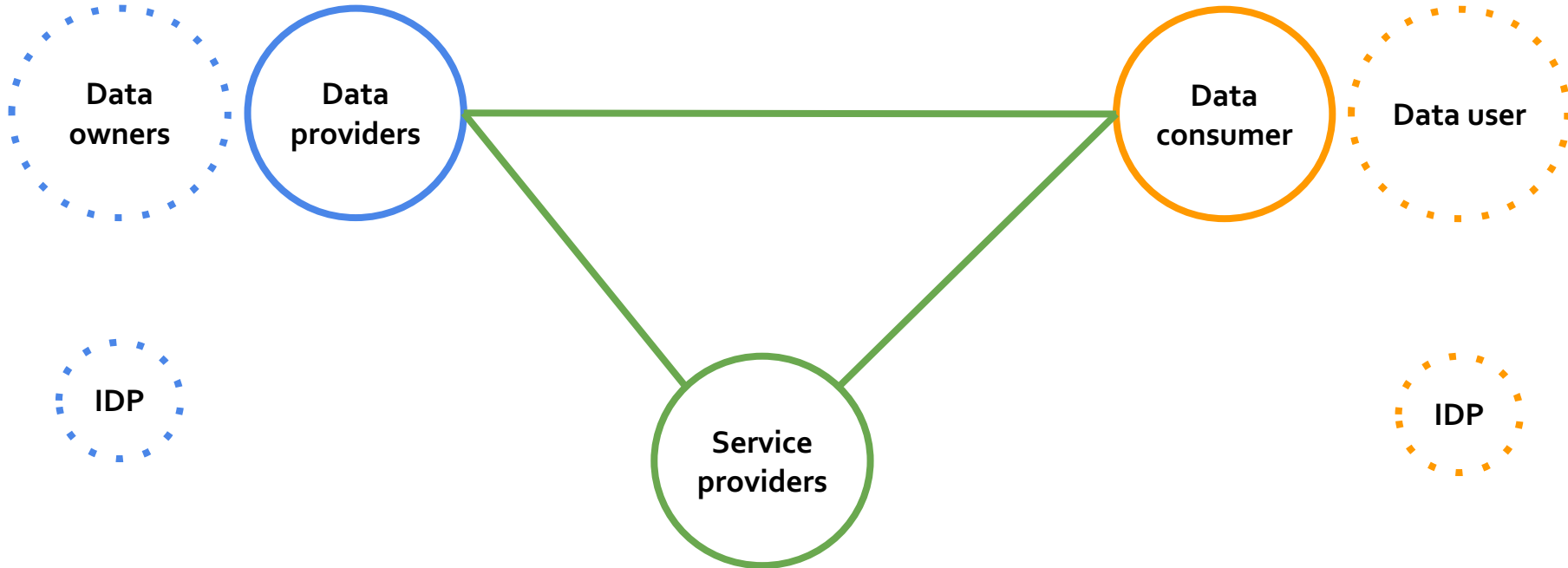


SUPER INSIGHTS

predicted count: **4611**

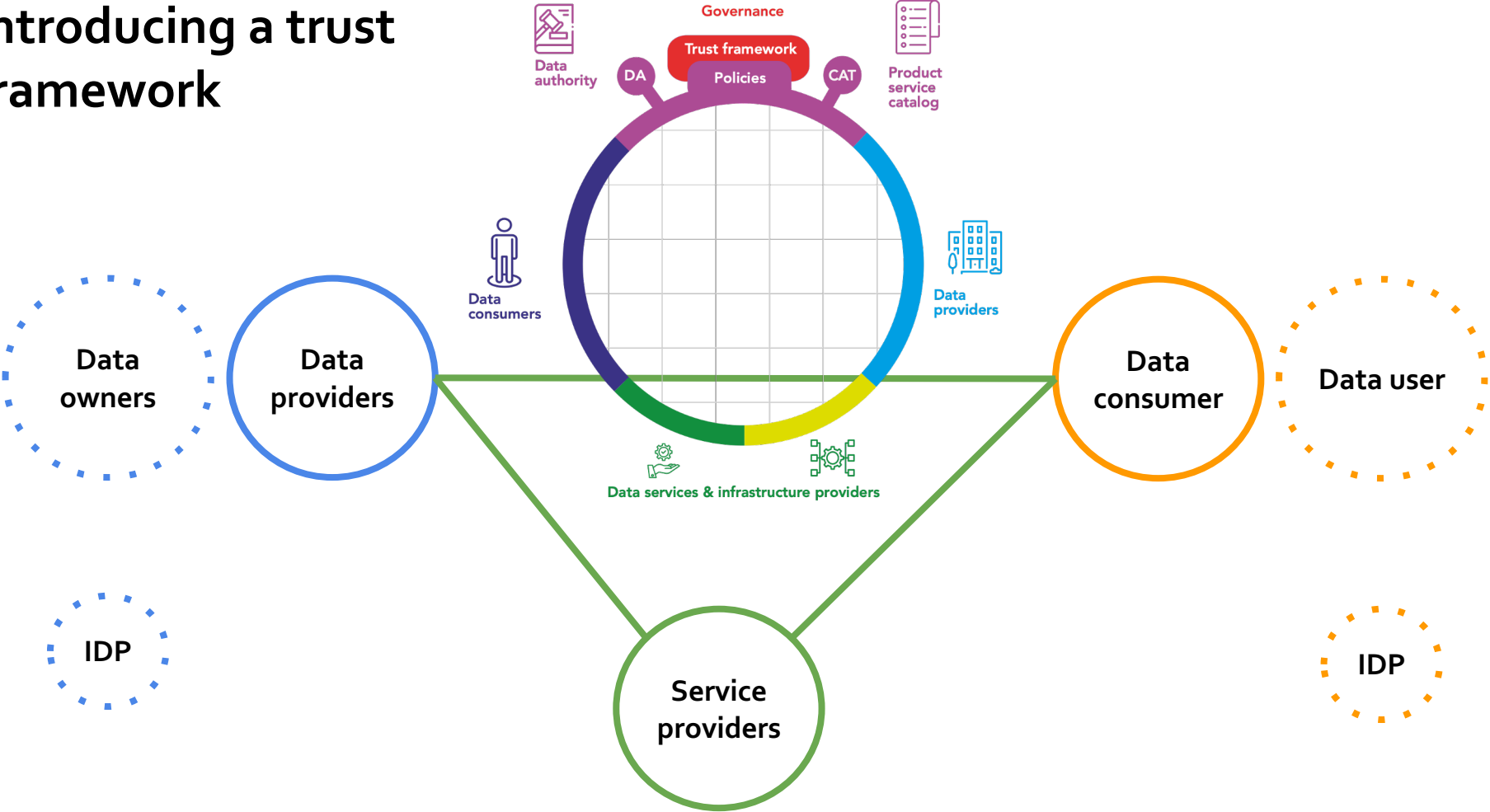
Smart Building Case

Parties & roles



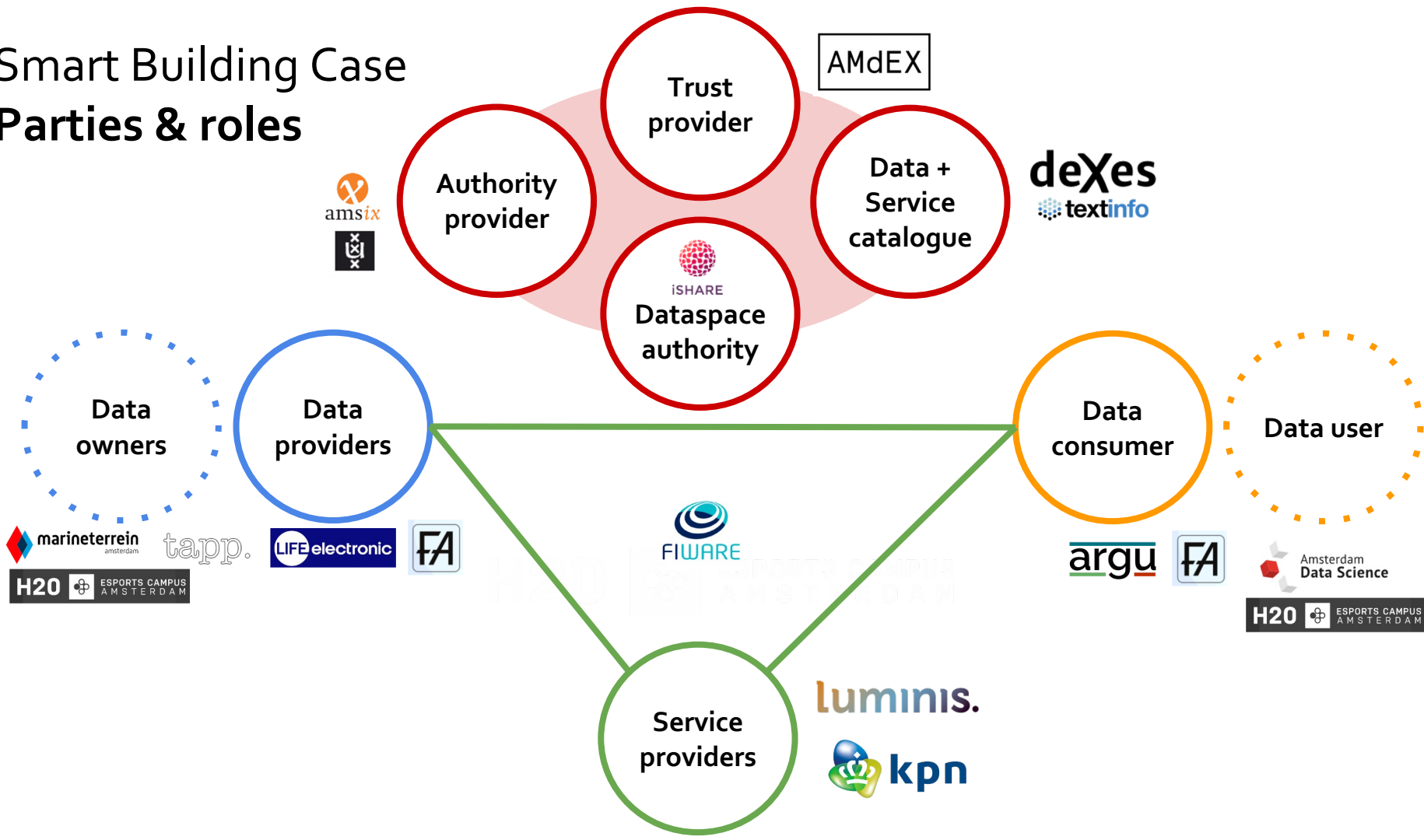
Smart Building Case

Introducing a trust framework



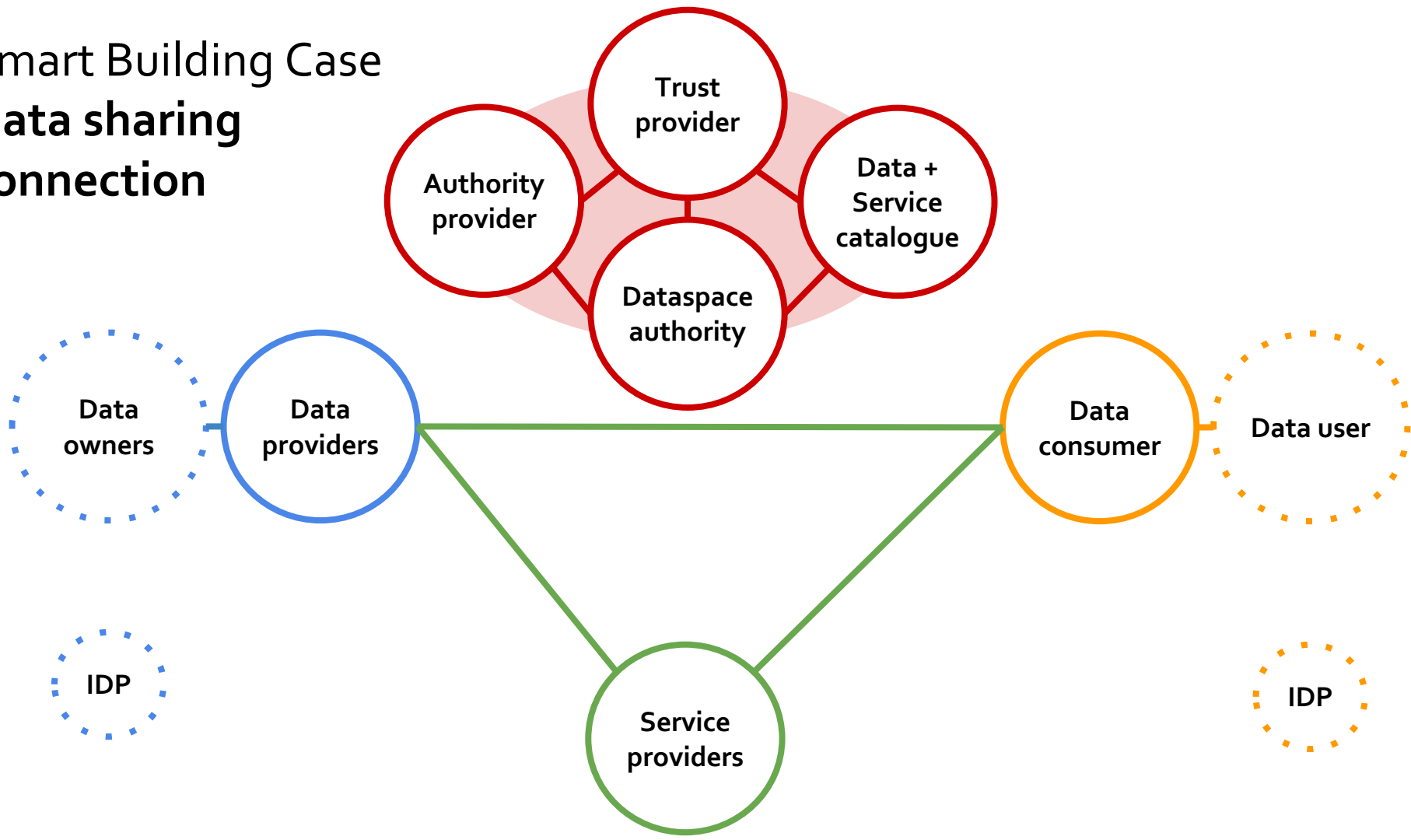
Smart Building Case

Parties & roles

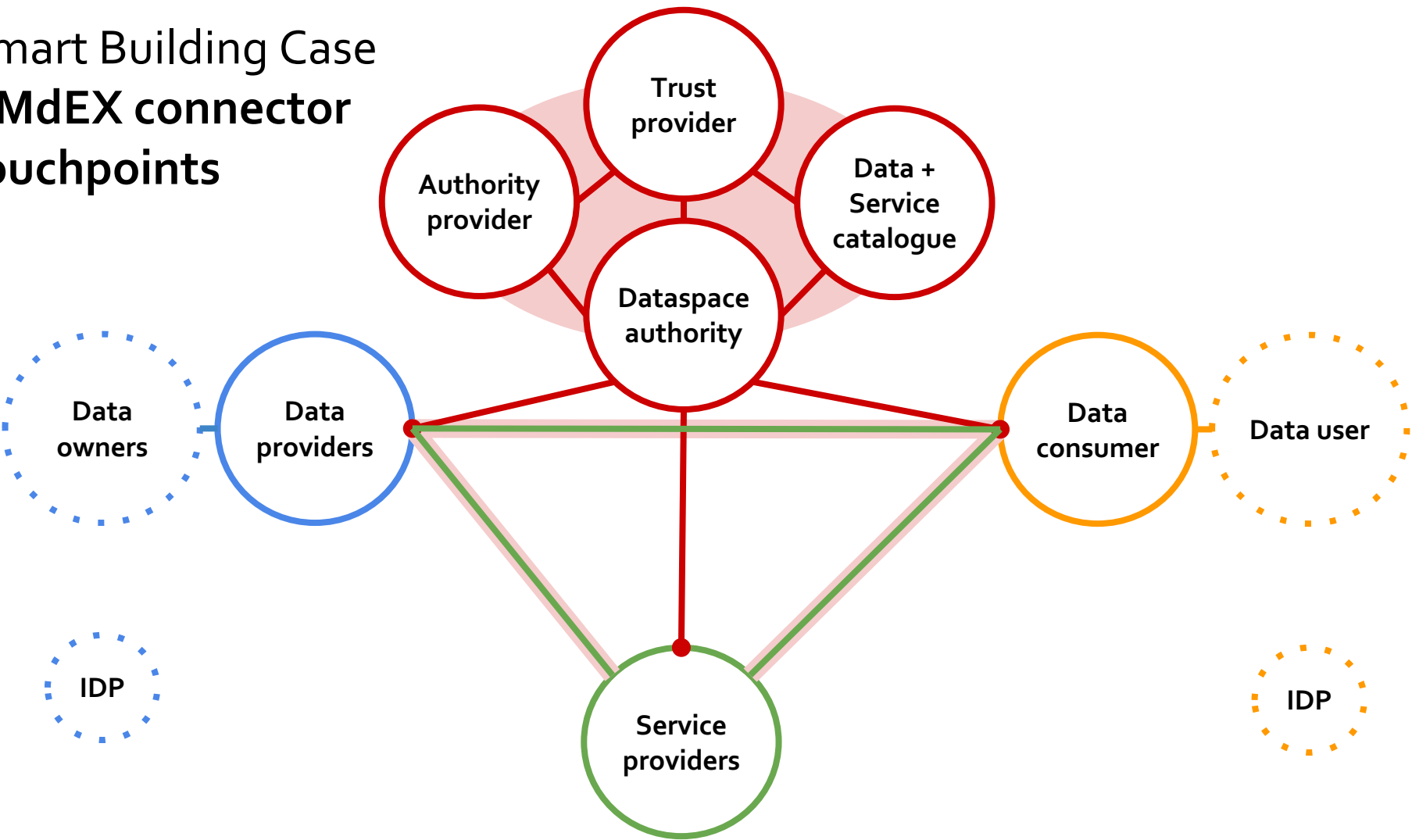


Smart Building Case

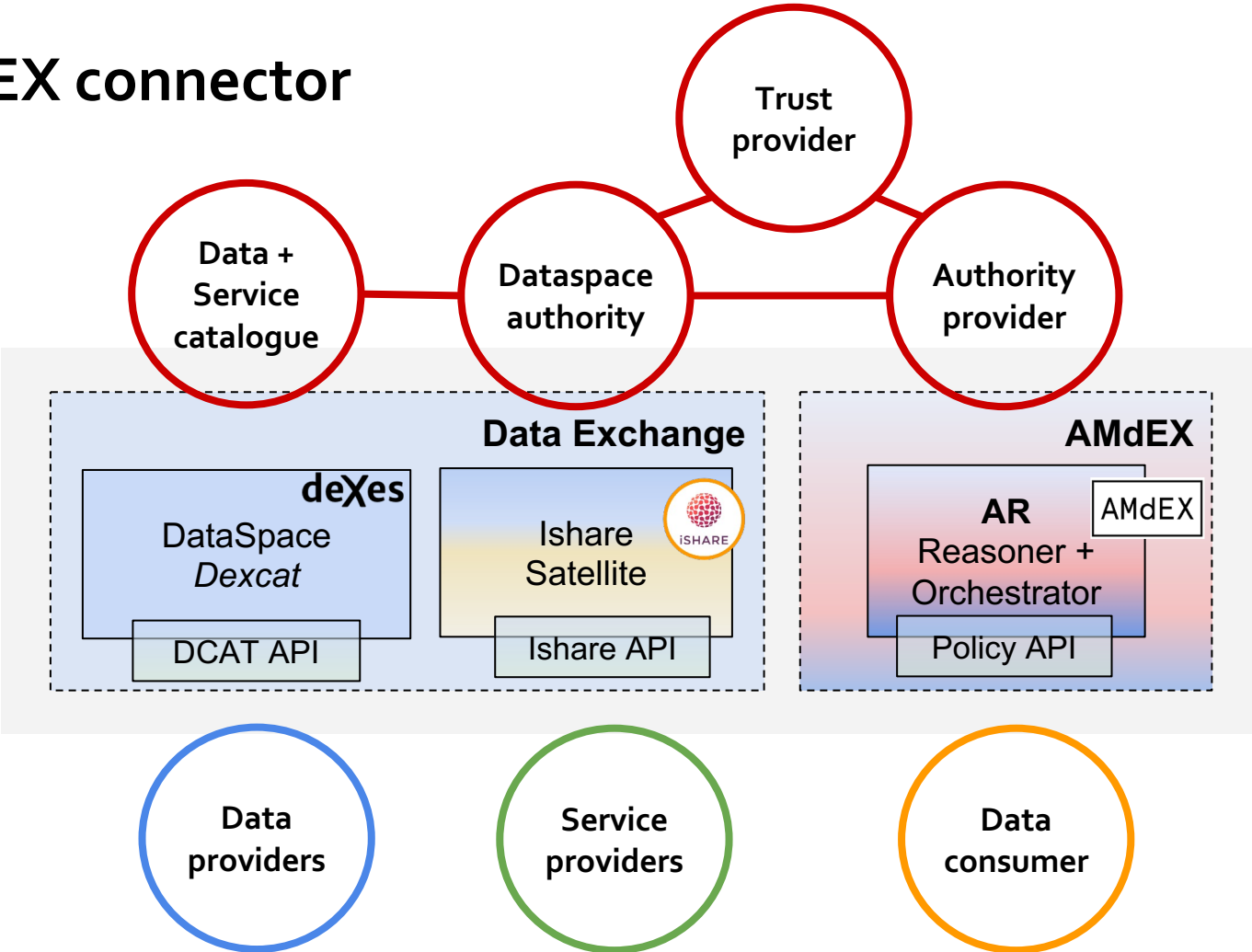
Data sharing connection



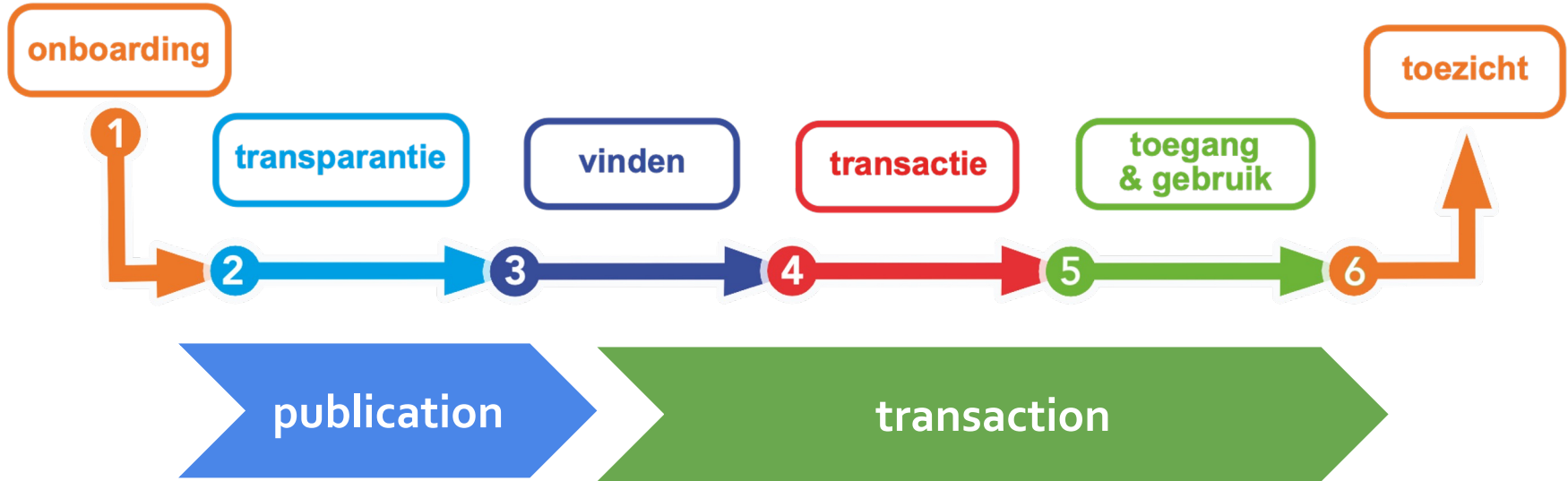
Smart Building Case AMdEX connector touchpoints



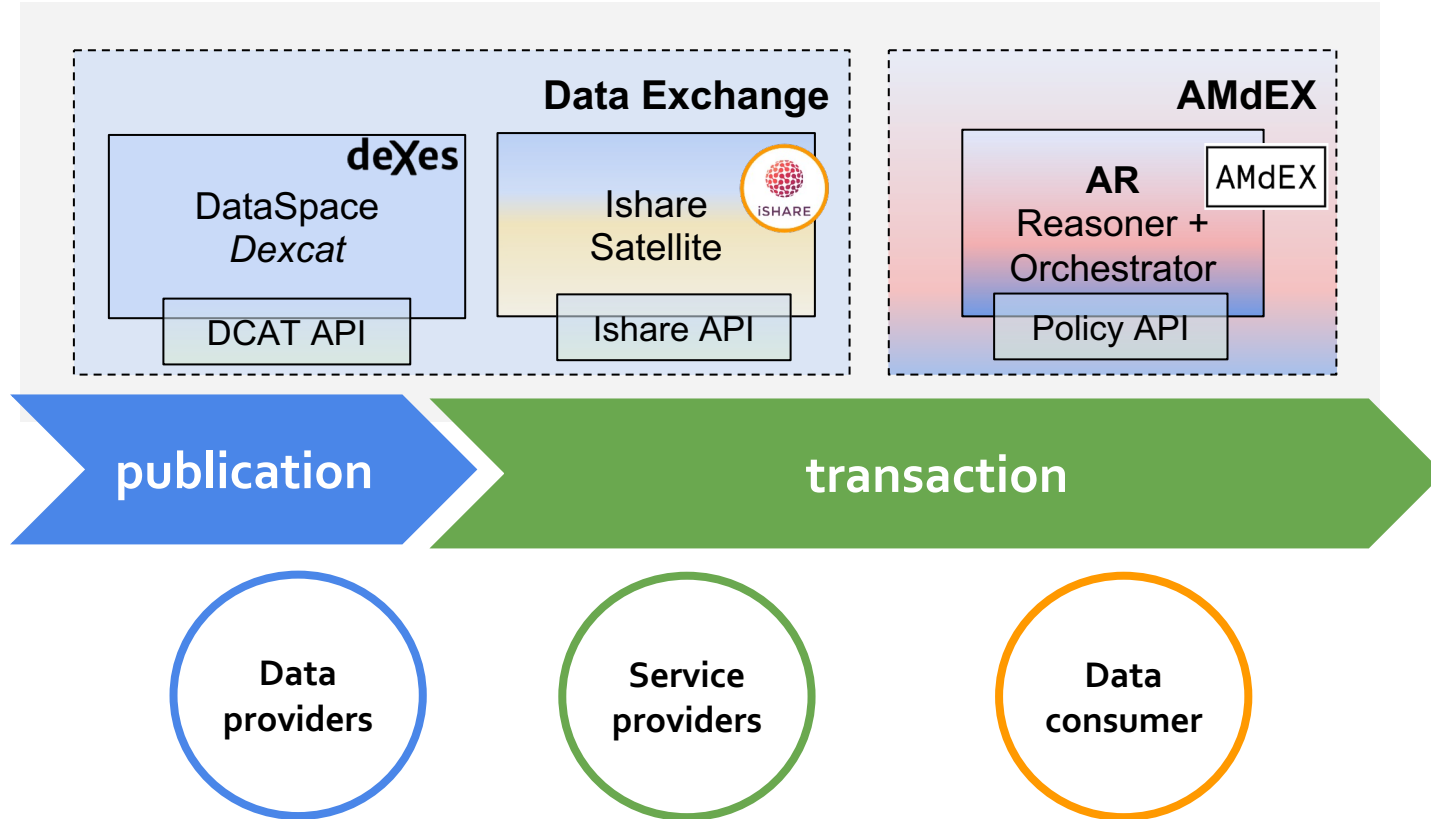
AMdEX connector

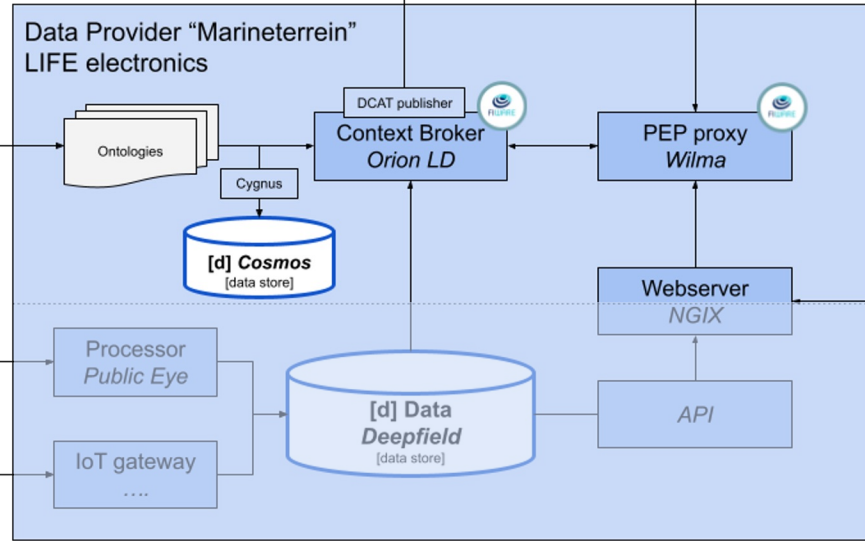
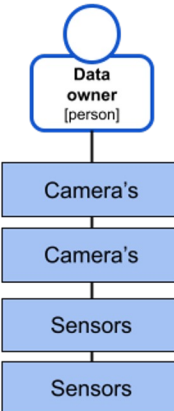
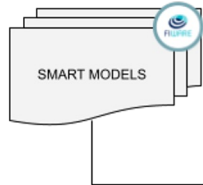
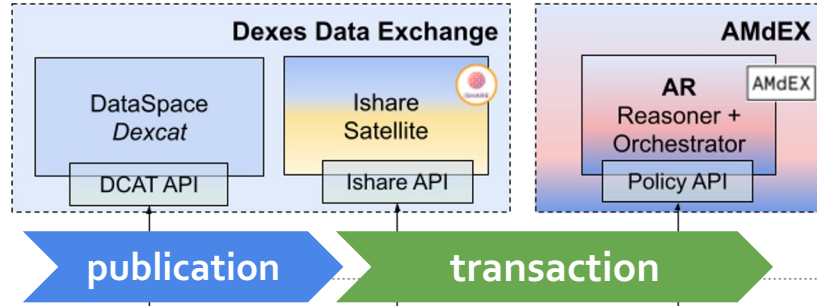


Generic steps in AMdEX use cases



AMdEX connector





Dataset "Marineterrein Density"
 - endpoint: /...
 - endpoint: /temporal/..



REQUEST "Access to data"

SUBSCRIPTION "Update of dataset"

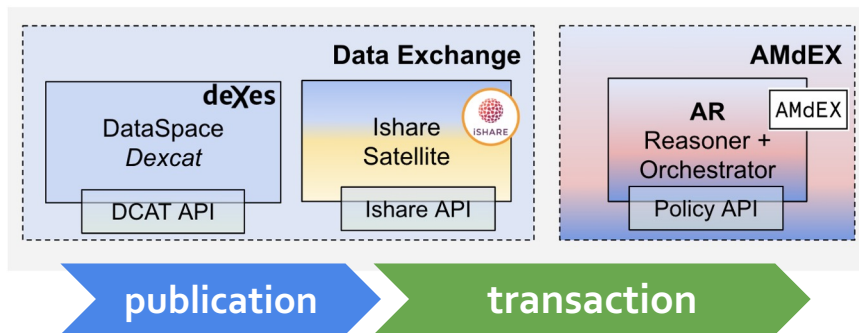


Dataset "Marineterrein Density"
 - notification: /...
 - notification: /temporal/..

AMdEX Connector - value in scalability & trust

Standard components can be used with AMdEX:

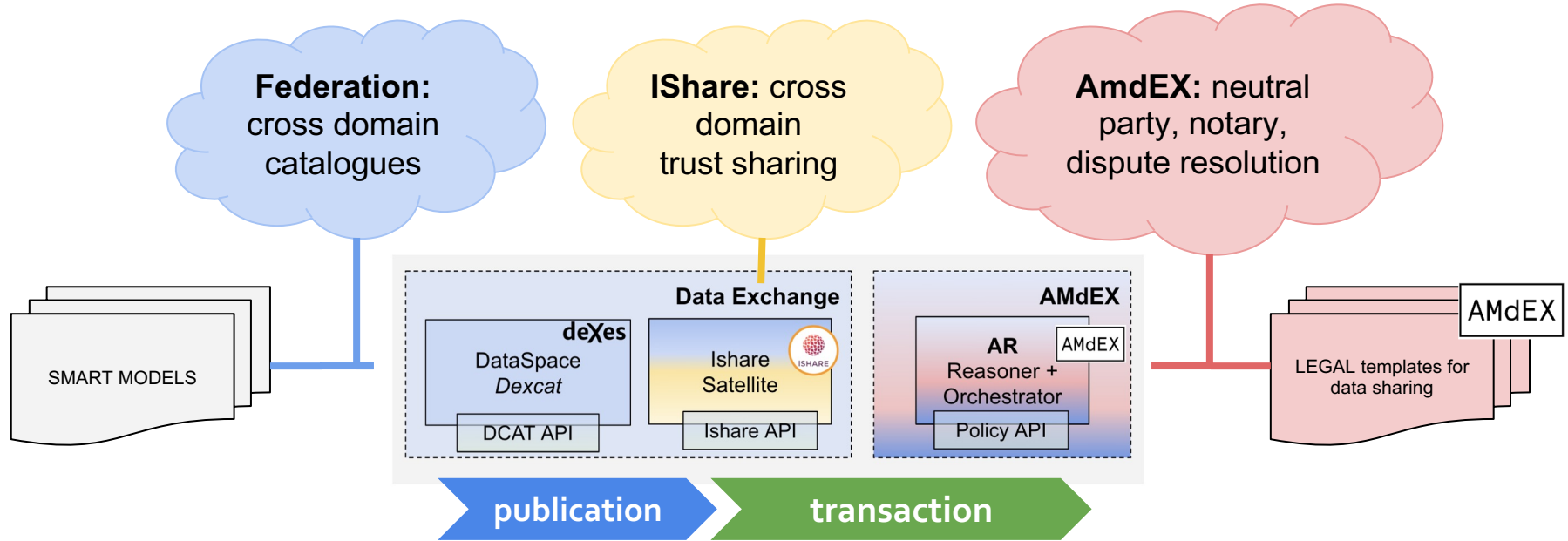
- CKAN
- FiWare
- Ishare
- GAIA-X
- IDSA



EU Standards applied:

- DCAT
- XACML
- OAuth
- ODRL / eFlint / policy languages
- NGSI-LD

AMdEX Connector - extra value



AMdEX makes data sharing easy, safe and scalable

AMdEX

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Questions?

Hayo Schreijer, Dexes



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[i4Trust Community](#)



dataspace

Active filters

Type dataset

1.620 results

Filter results

Type (1)



DATASET
Marineterrein PubliekOog

Bezoekersaantallen MT

Distributions (1)

Marineterrein-PubliekOog

Access data

Available offers

By accepting a datadeal offer you agree to certain conditions, in return you gain access to the dataset (or parts of it) which is not available to the public.

Title: Offer #62430767fbc70b3bf70a48ae

Provider: joep.staging.dexpods.eu/pod/profile#me

Conditions:

Download

Click on the "Close a deal" button to get access to the data of this dataset.

Close a deal

Deals (11)

11 deals have been closed for this dataset.

Show all deals

Accessibility

License
Unknown license

Ownership

Creator
Dexpods.eu

Let op: dit is een bèta omgeving bedoeld voor demonstratie doeleinden

Home Data sets pieter

Pieter

Welkom bij je pod!

My Files

icoon	Naam	Publiceren	Gedeeld met	Wijzigingsdatum	Acties
	Wandelroutes - Zuid-Holland.csv	✓ Gepubliceerd	1	4 weken geleden	⋮
	Wandelroutes - Limburg.csv	✓ Gepubliceerd	1	4 weken geleden	⋮
Nieuw ...					

Over
Over Dexes

Volg ons
in

publication

AMdEX founders & partners

Co-funded by the European Union



AmdEX is open to all who accept the rules