Smart Data Platform

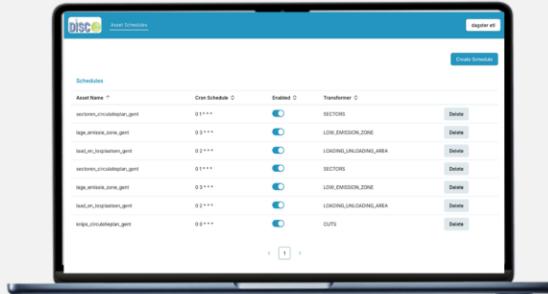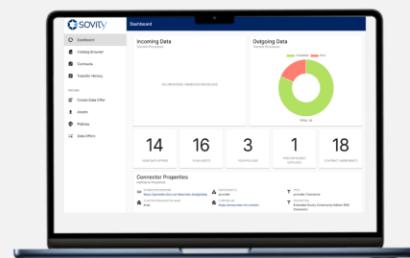**Step 1**: insert data from Ghent Open data portal

API

Step 2+3: Automate data import & transformation

Step 4: Share data on data space

Developed by :

imec

gent:

INTERNATIONAL DATA SPACES ASSOCIATION

Project by :

DISC

SMART DATA PLATFORM

DISC

What is the Smart Data Platform?

A locally hosted data platform with integrated data conversion tools and a built-in UFDS data space connector to support data engineers in seamlessly transforming and share data sets with the Urban Freight Data Space (UFDS).

What it enables

Data Transformation: A data pipeline helps manage all the steps to transform and combine unstructured data.

Data updates: regularly push data sets to keep UFDS data up to date.

Transformation scripts: automatically convert new data sets to the correct standard, using included conversion guides for City access rules and parking occupancy.

Historic data: build up historic data sets using a timescale data base.

UFDS data sharing: connect seamlessly to the UFDS through the built-in UFDS connector to share your data.

Main beneficiaries
Local authorities, Logistics operators, MaaS operators.

The Smart Data Platform reduces the technical barriers for cities and companies to structure and share their data sets on the UFDS.

- **Reduced technical barrier:** built-in UFDS connector with setup guide.

- **Data Conversion support:** included data transformation guides with built-in support tools.

- **Scalable Data management:** Data pipeline tools to build up and maintain a structured and UFDS-compliant data base.

Technology readiness level : *8*
Implementation stage :
Pilot

SMART DATA PLATFORM

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Deployment in GENT & Early Results

The Smart Data Platform was deployed in the Ghent Living Lab (GENT) as part of DISCO's data-sharing and digital infrastructure work, creating a federated and secure environment for urban freight data integration.

The implementation focused on setting up the technical backbone, integrating the platform into existing Ghent workflows, establishing standardized APIs and connectors, aligning with the project's Digital Twin and UFDS governance, preparing data models for DISCOCURB, DISCOPROXI, and DISCOBAY, and initiating the harmonization of logistics, environmental, and curbside management datasets.

Take a photo of this slide and get in touch to learn more about the Smart Data Platform

See what DISCO is about

Let's connect !

Would you like to know more? Take contact :

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