

# **Aligning waste data across borders for smarter circular decisions**

Vakbeurs recycling – 13/11/2025



- Chair Environmental Technology & Design
- 20 FTE
- Focus on circular economy & urban metabolism



- Amsterdam Institute for **A**dvanced **M**etropolitan **S**olutions
- Collaboration MIT, TU Delft, Universiteit van Wageningen met Gemeente Amsterdam (& diverse private bedrijven)



- Spin-off company TU Delft en AMS Institute
- 14 FTE
- Technology x Circular Economy



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 688920 and grant agreement no 776751



**NEED TO KNOW**

**General Motors Expands Global Zero Waste Efforts**

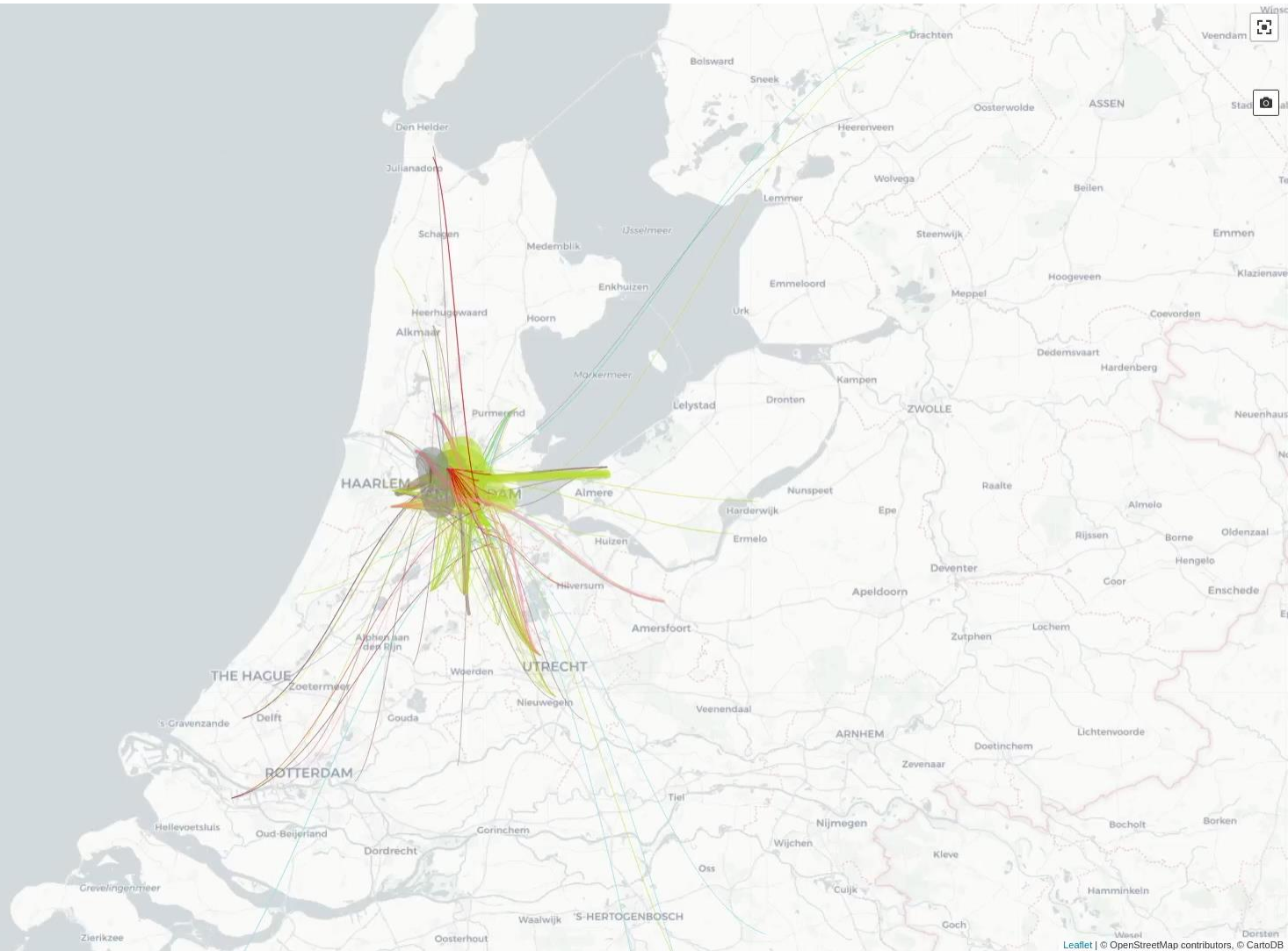


Working  
toward a  
waste-free  
future

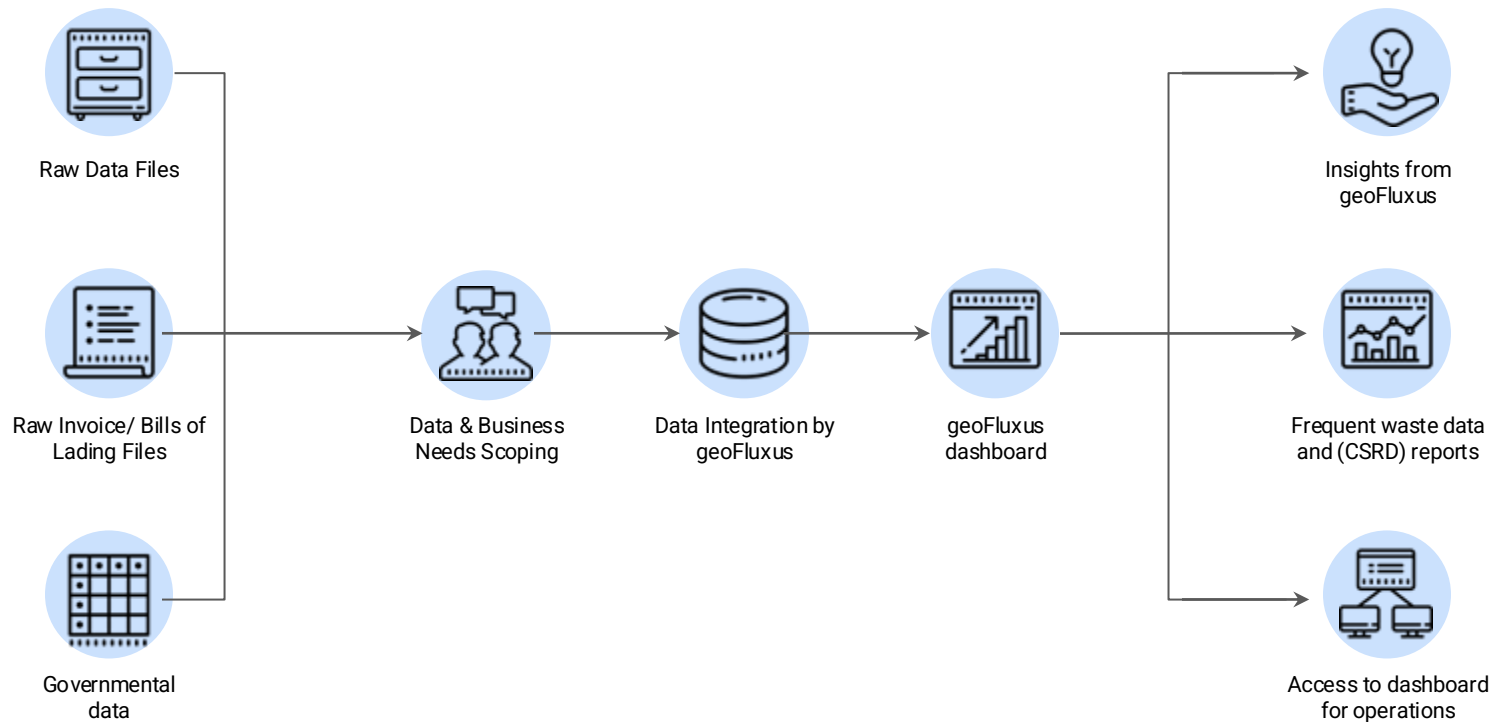
**Can the furniture industry end waste by going circular? Ikea wants to find out**



- ☐ Show stocks
- ☐ Show actors
- ☒ Show flows
- ☐ Display materials
- ☐ Cluster locations
- ☒ Light/dark
- ☐ Animate flows
- lines only ☒ ☐



# "DATA FOUNDATION"



**89%**

of all waste is coming from  
companies.

Only

**11%**

is household waste

# 22%

of all waste could be processed  
in a higher value way

**70%**

of all waste is coming from only

**7%**

of all companies

Yearly more than

**9 million km**

are being travelled to transport  
waste from Amsterdam to its  
processing locations

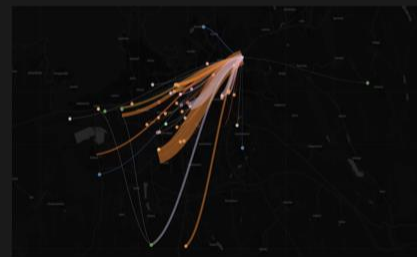
[Metropoolregio Amsterdam, 2019]



Poland



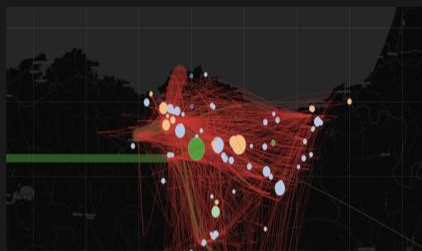
Italy



Hungary



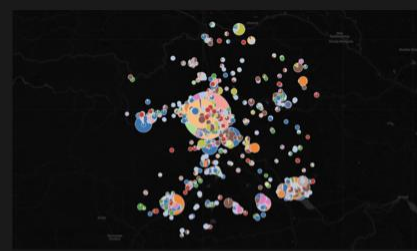
Belgium



Spain



Slovenia



Germany

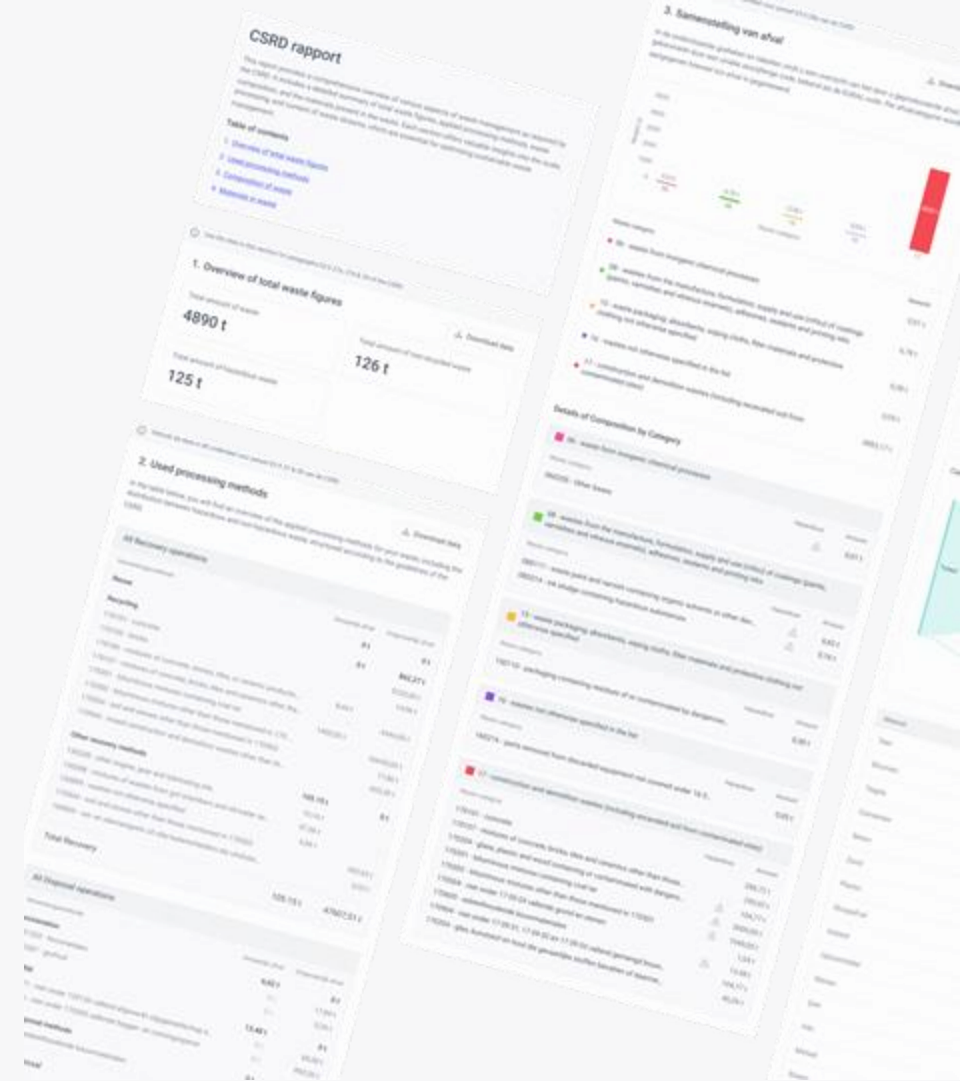


The Netherlands



# Use cases

- 1. Time saving:** Automated collection, verification, and enrichment of waste data, validated by waste experts.
- 2. Regulations:** Ready-to-use reports for GRI, ISO14001, CSRD,... with insights into hazardous streams and minimum legal processing requirements.
- 3. Analysis & Insights:** Visualization and insights per business unit and location. Compare waste processing with best practices and national standards.
- 4. Circularity:** Define and track optimization goals, and gain insight into the main improvement opportunities.



# “PLATFORM DEMO

<https://prod-afvalprofiel.geofluxus.com/>

