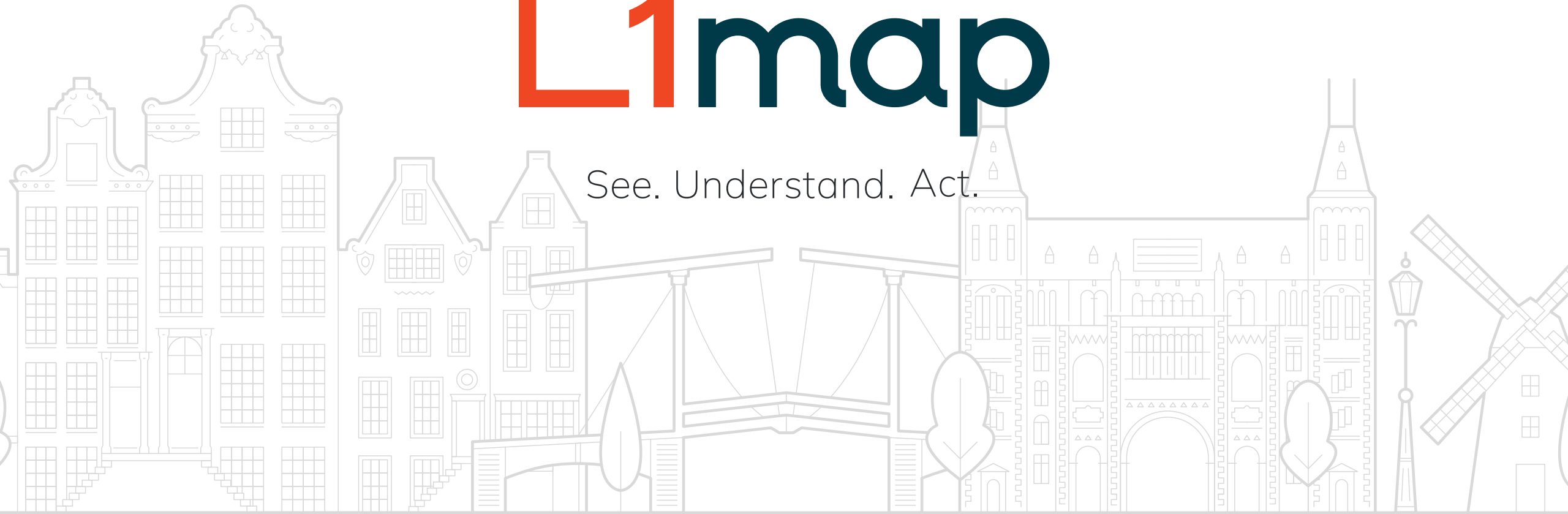




See. Understand. Act.






See. Understand. Act.

Changing Coordinates: Field Notes from Flanders

*Applying lessons learnt in South Africa to local government in
the Low Countries*

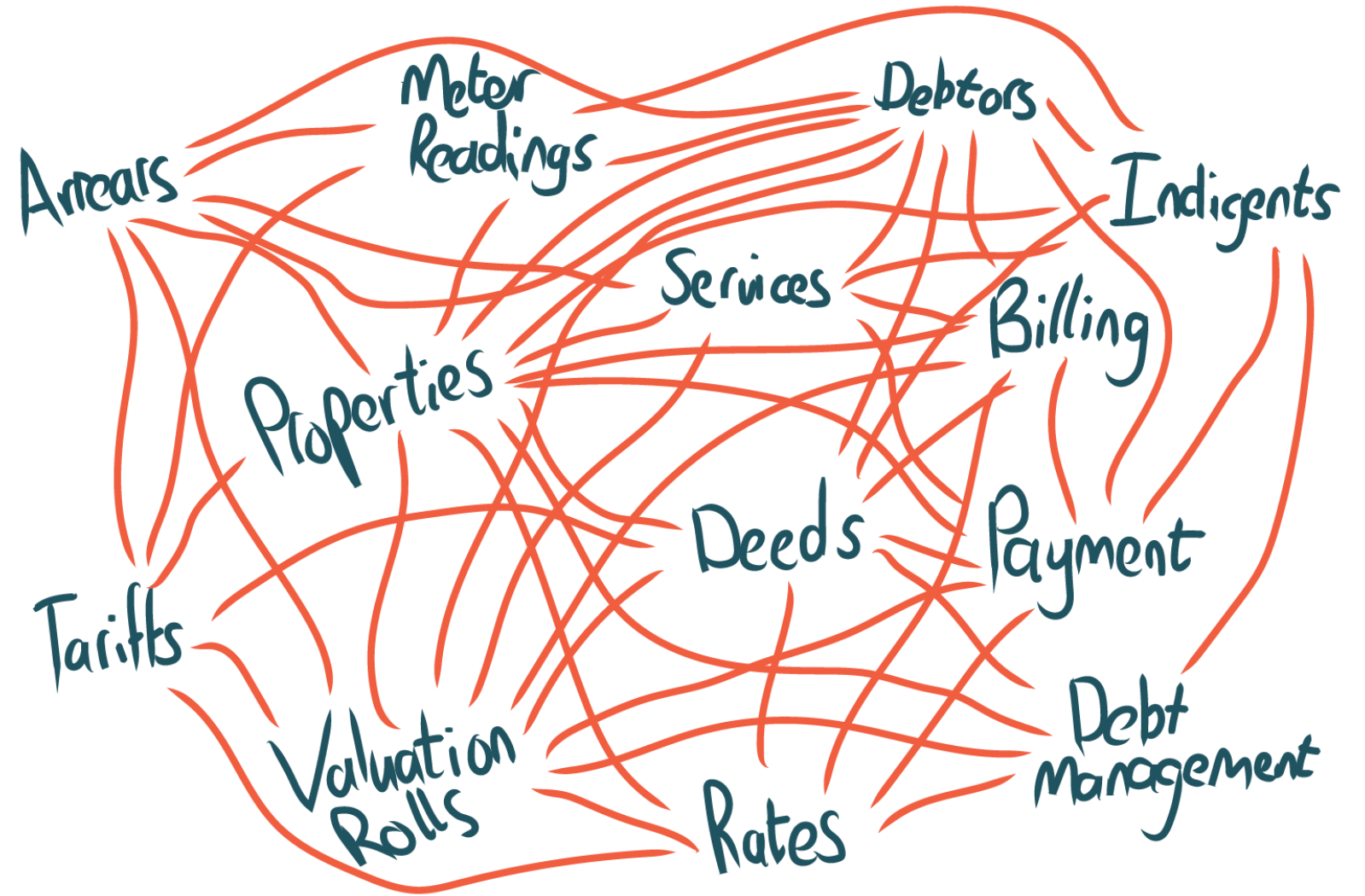
Background





Creating a Seamless
Operating System for Cities
based around
Citizens and Land

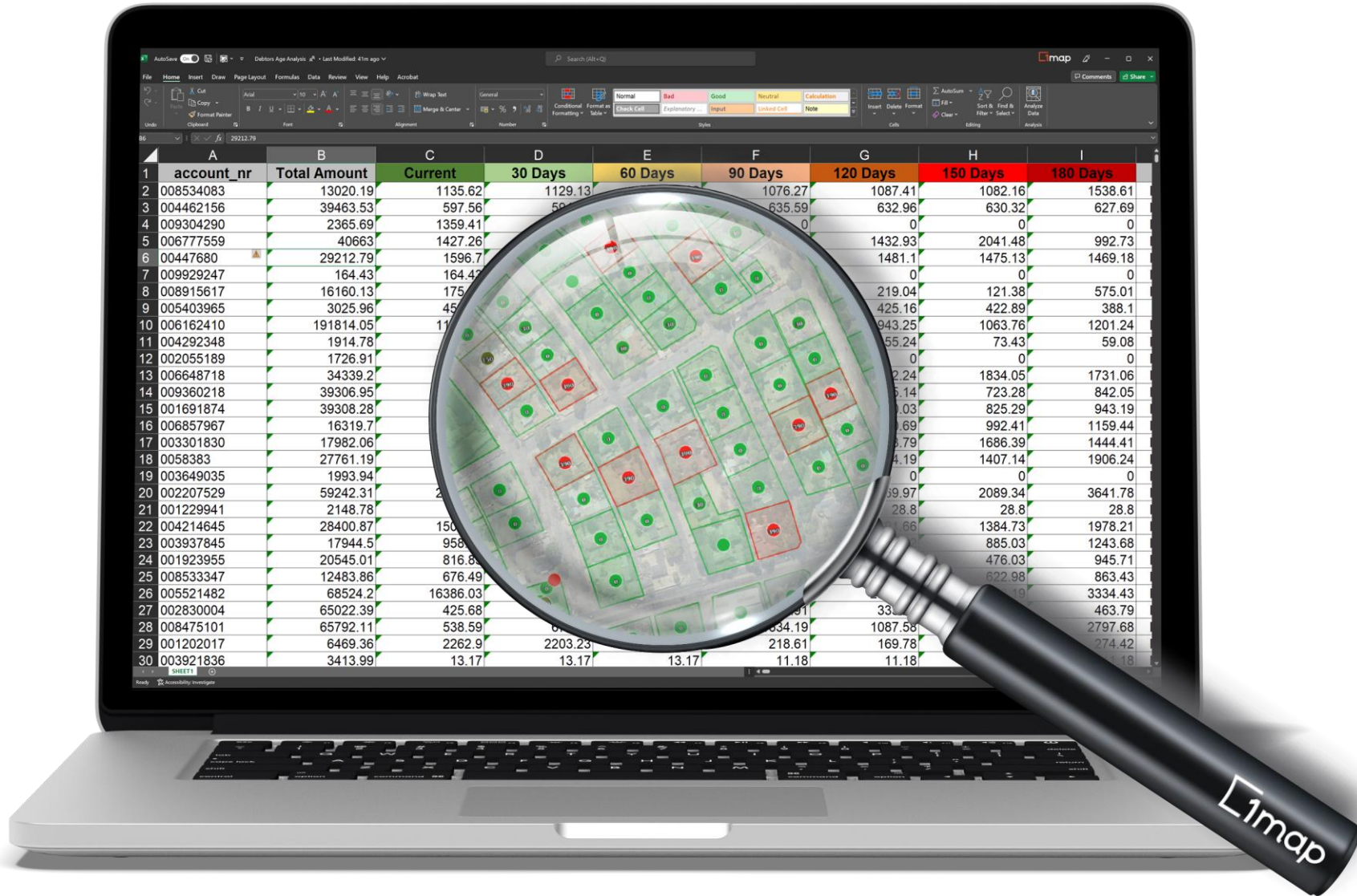
Cities are
Complex...





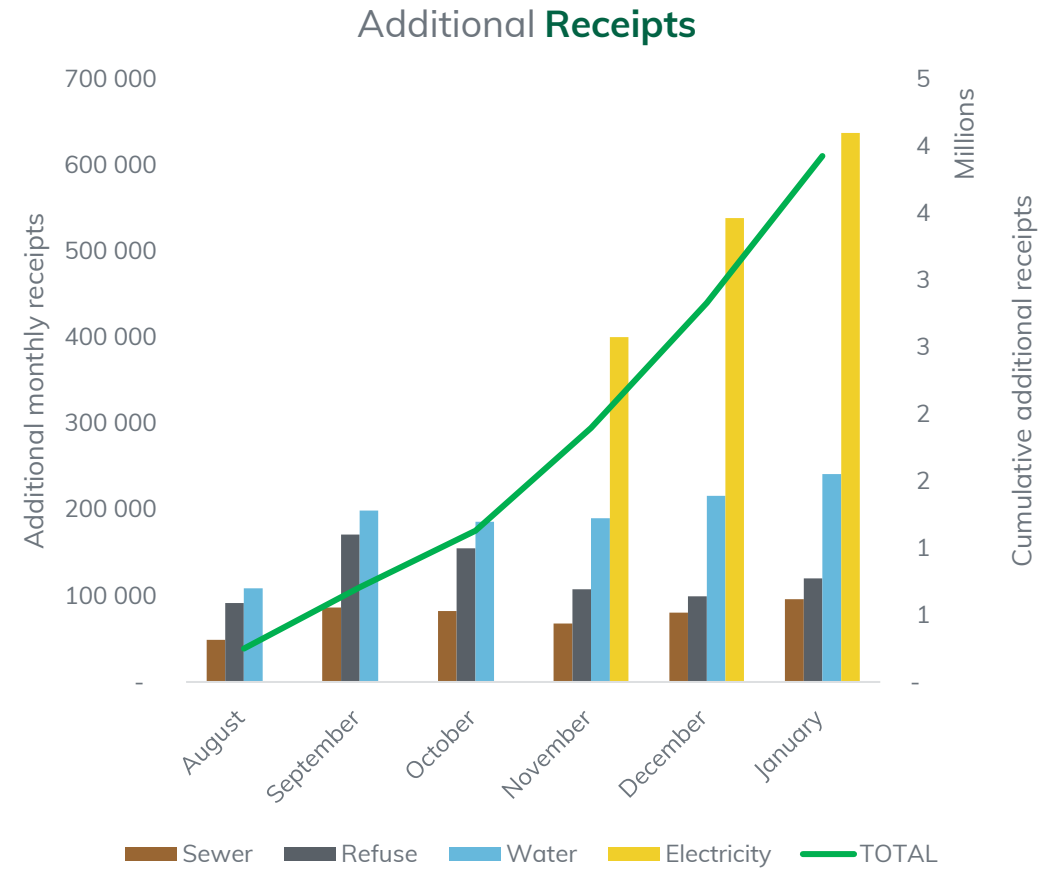
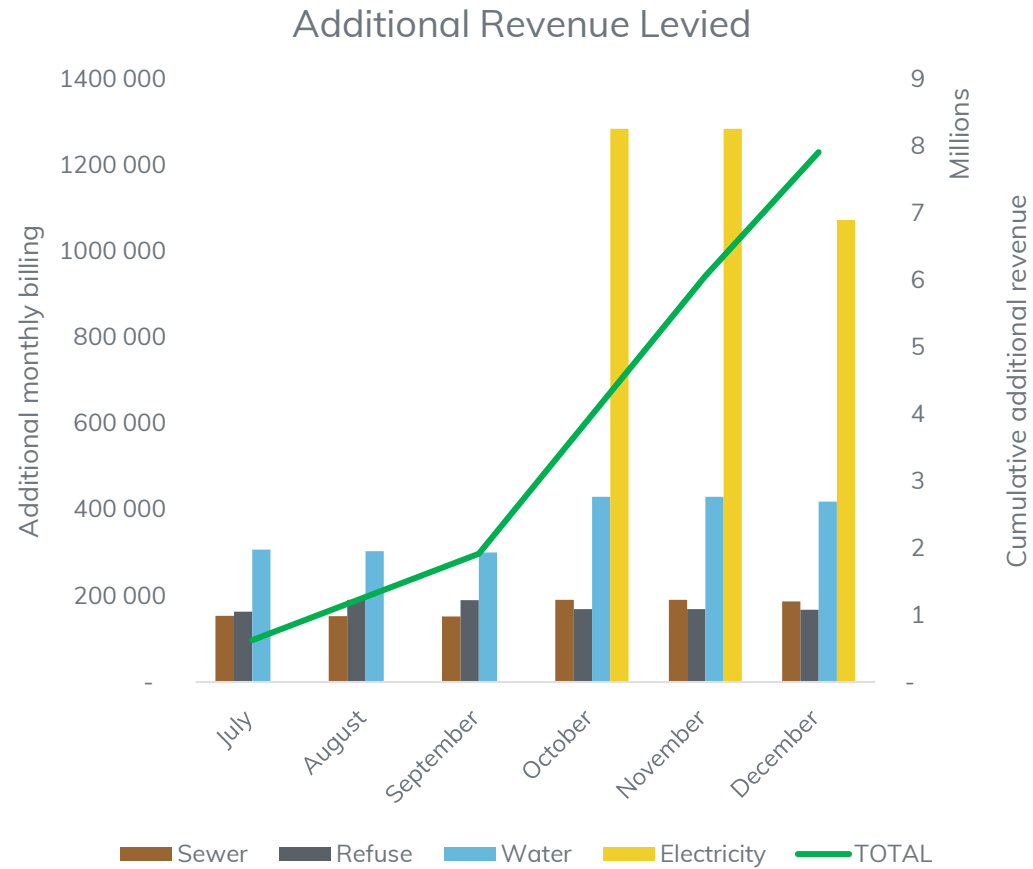
What if understanding
your municipality's
data
was as simple as
looking at
a **map** ...?





A picture
is worth
a thousand
~~words~~
rows

Case Study: Emalahleni (Witbank)



Search

Legend

Fibertime Installations

■ Pole Permissions (60)

■ Home Sign Ups (30)

✗ Home Sign Ups: Declined (6)

■ Home Installation (169)

★ Home Installation - Spaza shop (1)

✗ Home Installation: Declined (1)

■ Awareness (9)

Poles (Fibertime)

● 7 120-140

● 7 120-140 (pole planted)

Cables (Fibertime)

— Drop Cables (Planned)

— 1F Drop (Sign Ups)

— 24F Aerial

— 144F Aerial

Sections (Fibertime)

□ Section

Workspace & Layers

Active Workspace: Pole Plant (fibertime)

Workspace Actions:

Active Workspace: Pole Plant (fibertime)

Layers

Layer Actions:

Overlays

fibertime

Fibertime Installations

Fibertime Networks

Poles (Fibertime)

Cables (Fibertime)

PONs (Dp Cluster) (Fibertime)

Sections (Fibertime)

Site Zone Location (Fibertime)

1map

1map Road Centerlines (Colour)

1map Erven

Preview layer on map

Got any questions? I'm happy to help.

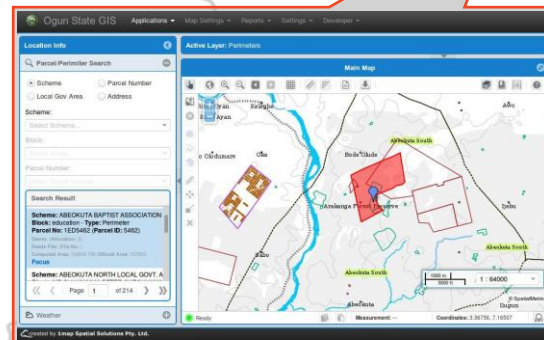
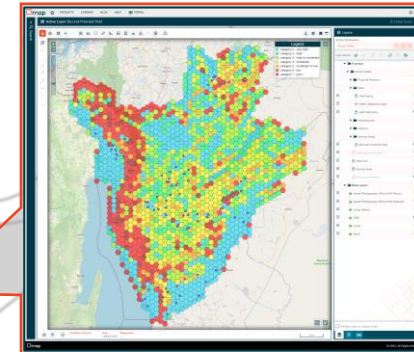
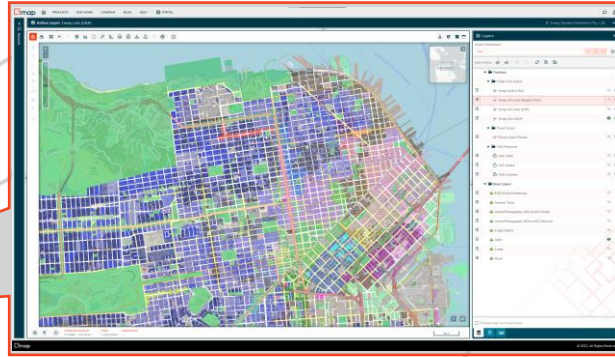
1map

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First Explorations

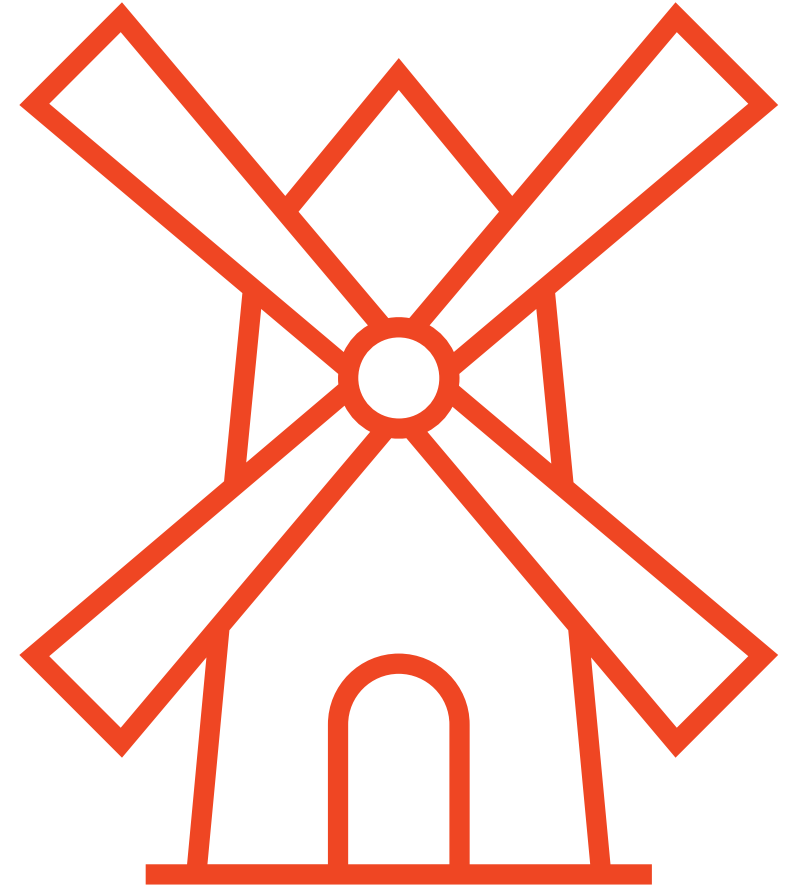
- Complex Supply Chain
- Imperial measurements
- Lack of standardisation

- Dependence on foreign funding
- Poor revenue potential



- Challenges getting paid
- Lack of digital data

Going Dutch

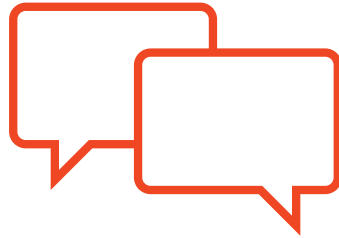


Why Flanders?



Cultural Affinity

Ease of
Communication



Open Data

ANPR Cameras



Recording

CIPAL SCHAUBROECK

Zoeken

<input type="checkbox"/>	Project#	Klant	Doel	Locatie naam	Site naam	Camera naam	Type Camera	Lens
<input type="checkbox"/>	P31447	Gemeente Dilbeek	TC	GROOT-BIJGAARDEN	1DIKVBR589A	1DIKVBR589ADM1	QCAM5	16mr
<input type="checkbox"/>	P31447	Gemeente Dilbeek	TC	DILBEEK	1DIKVBR603A	1DIKVBR603ASM1	QCAM5	16mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM353A	3GEKLIM353ASM1	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM354A	3GEKLIM354ASM1	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM354A	3GEKLIM354ASM2	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM353A	3GEKLIM353ASM2	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM355A	3GEKLIM355ASM2	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM356A	3GEKLIM356ASM2	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM356A	3GEKLIM356ASM1	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM355A	3GEKLIM355ASM1	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM357A	3GEKLIM357ASM1	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM358A	3GEKLIM358ASM2	ICAR G3	25mr
<input checked="" type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM358A	3GEKLIM358ASM1	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM357A	3GEKLIM357ASM2	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM359A	3GEKLIM359ASM2	ICAR G3	25mr
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<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM359A	3GEKLIM359ASM1	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM361A	3GEKLIM361ASM1	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM362A	3GEKLIM362ASM1	ICAR G3	25mr
<input type="checkbox"/>	P26695	stad Genk	TC		3GEKLIM362A	3GEKLIM362ASM2	ICAR G3	25mr

Showing 1 to 1 of 1 records

Gereed

Zoek Met Adres

Layer: Cameras Inventaris

Selected feature: 1 of 2 [Next >](#)

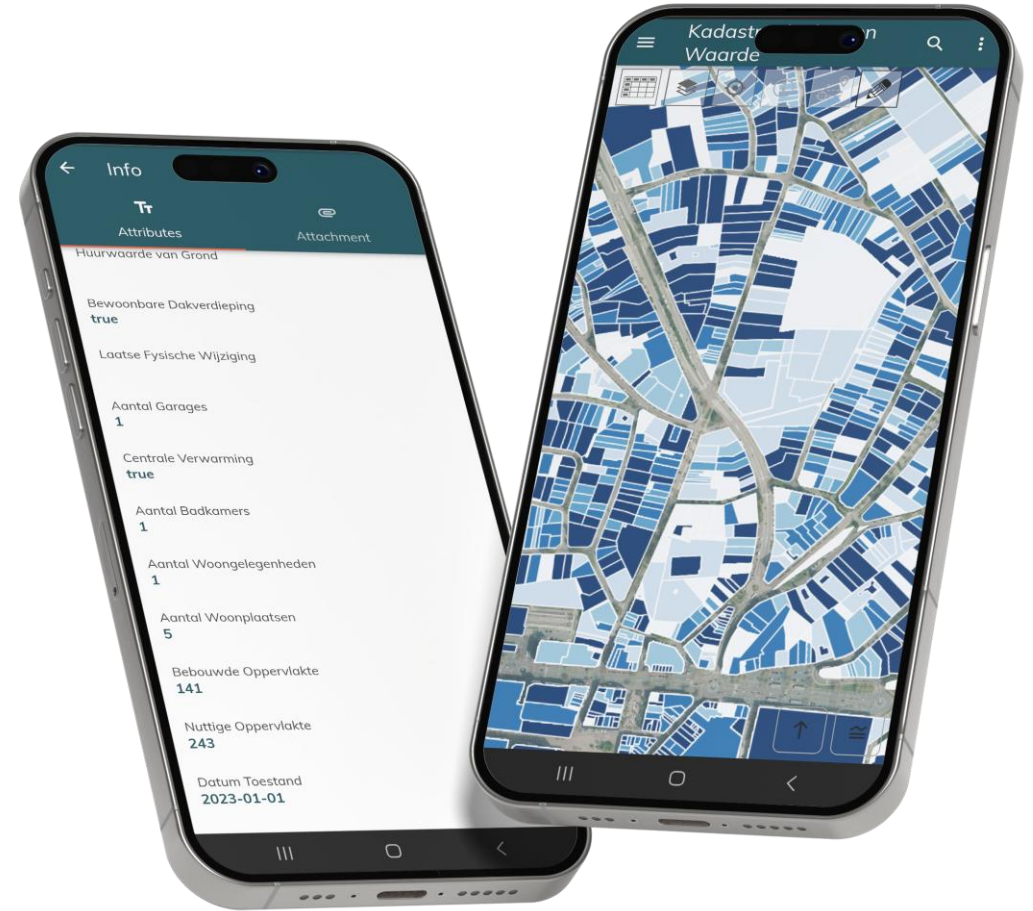
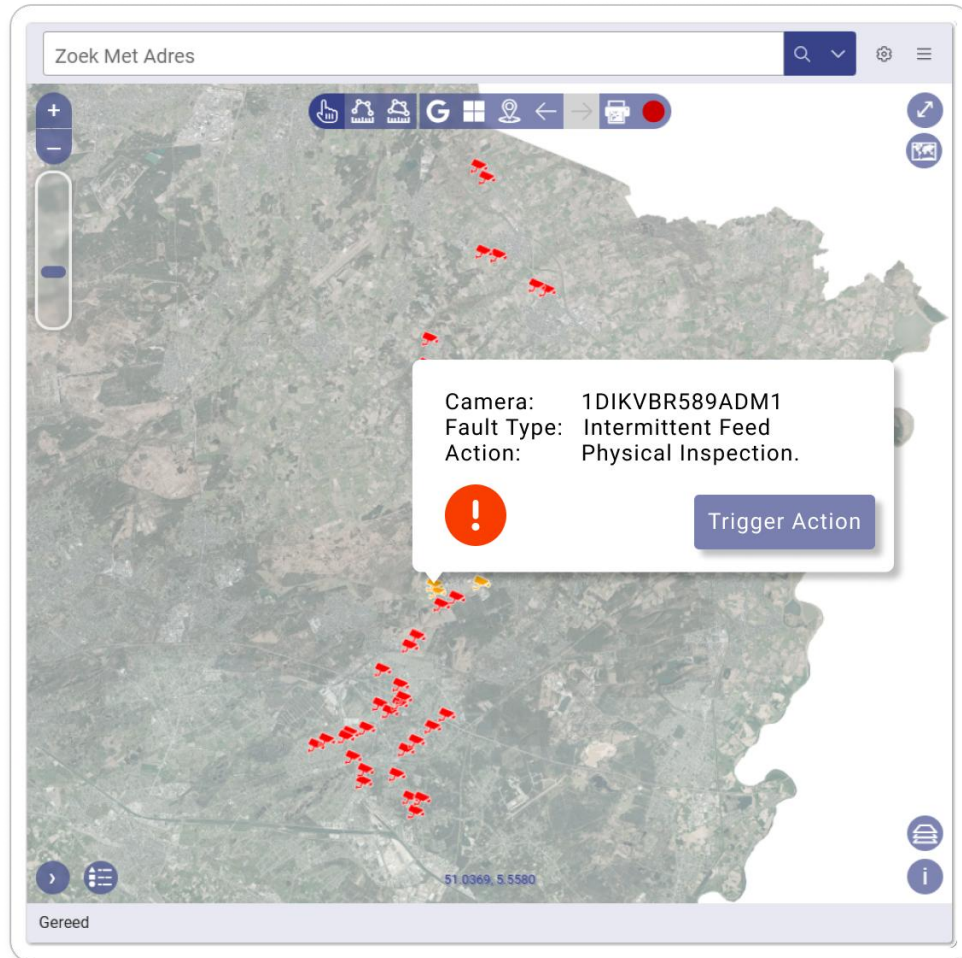
Project#	P26695
Klant	stad Genk
Doel	TC
Locatie naam	
Site naam	3GEKLIM372A
Camera naam	3GEKLIM372ASM2
Type Camera	ICAR G3
Lens (mm)	25mm
Serienummer	I3-1342-1010-001-003042
Telecom DSID	5472387

[Get Directions](#)

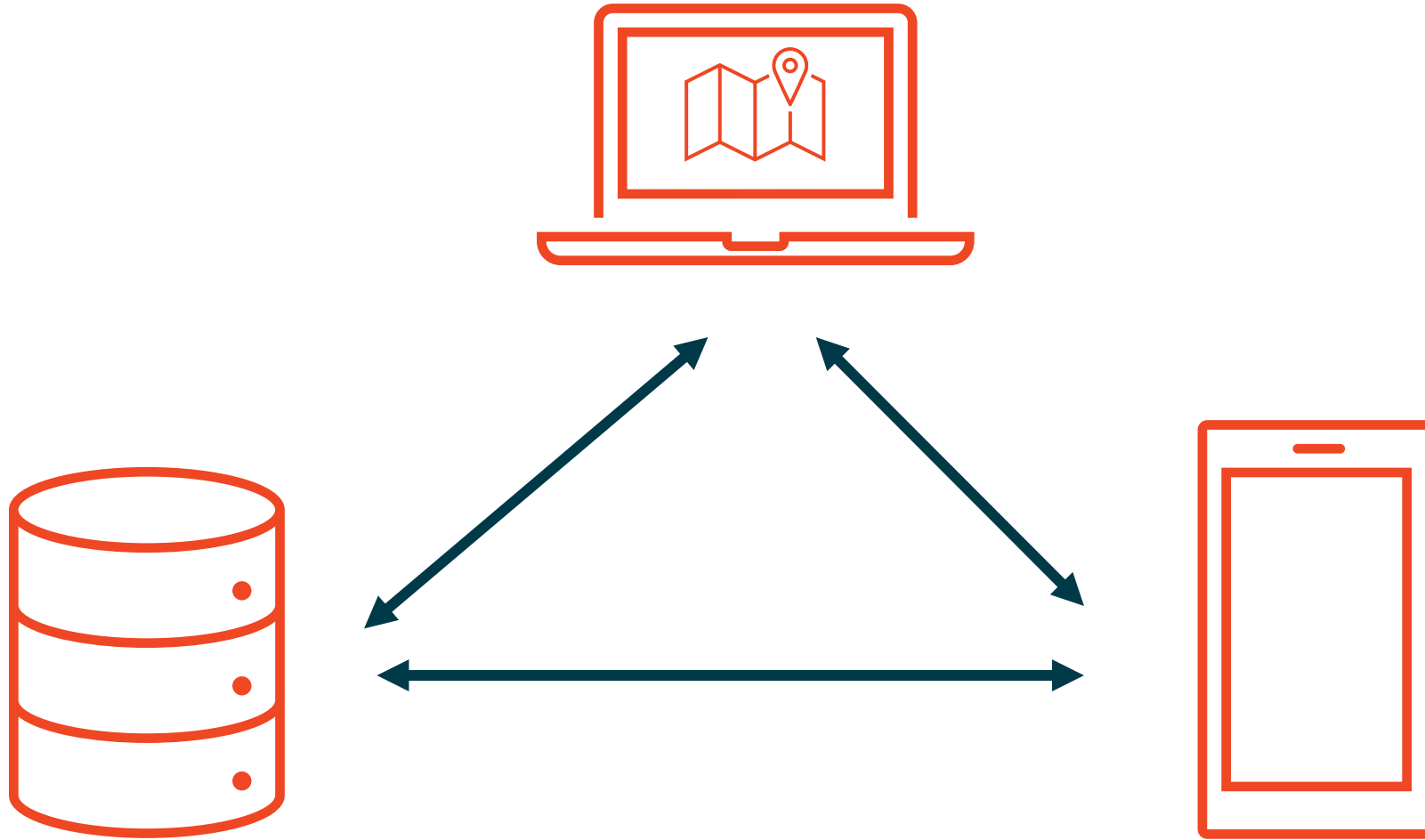
50.9779, 5.4790

Gereed

Understanding and Acting



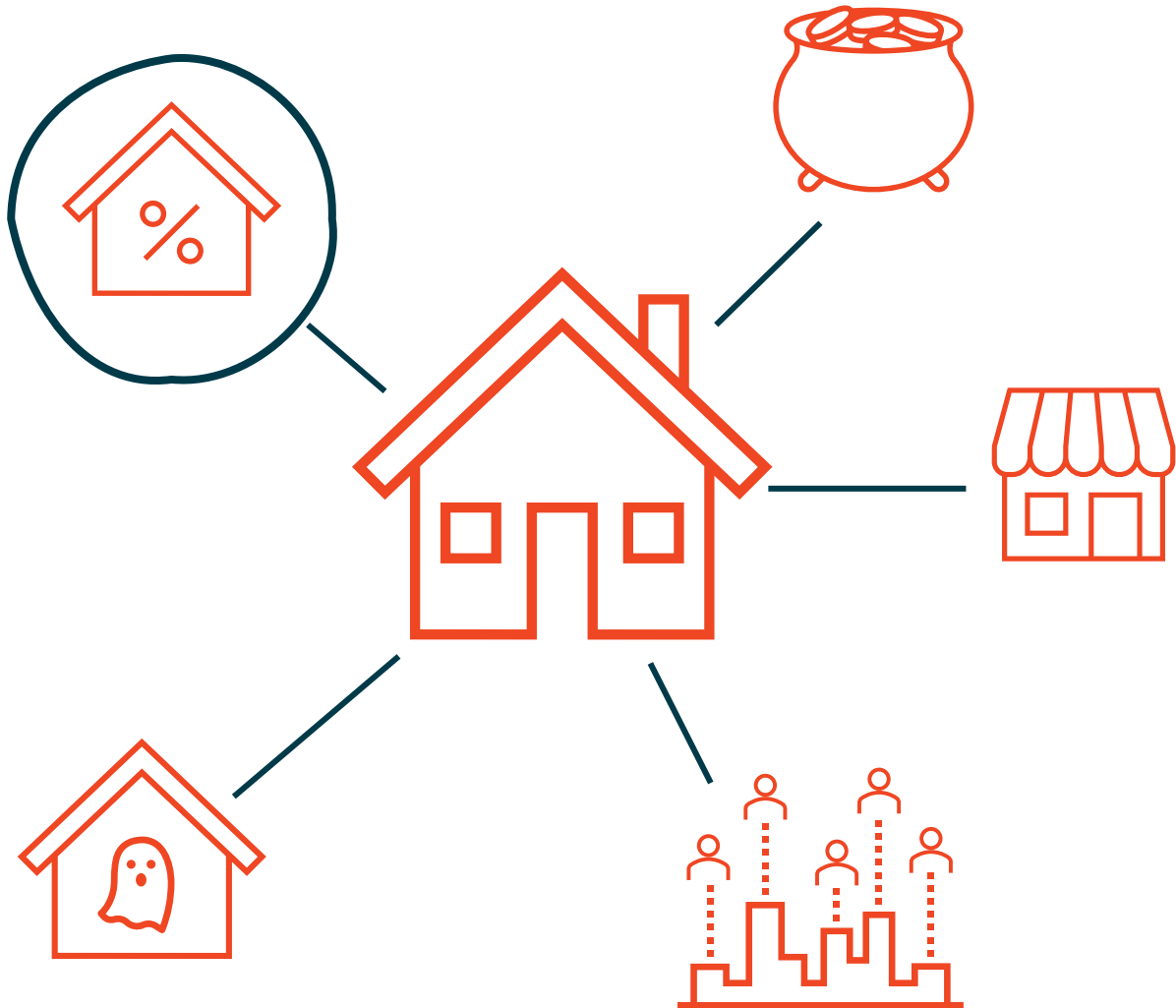
Integrated System



Property Tax



Property Tax

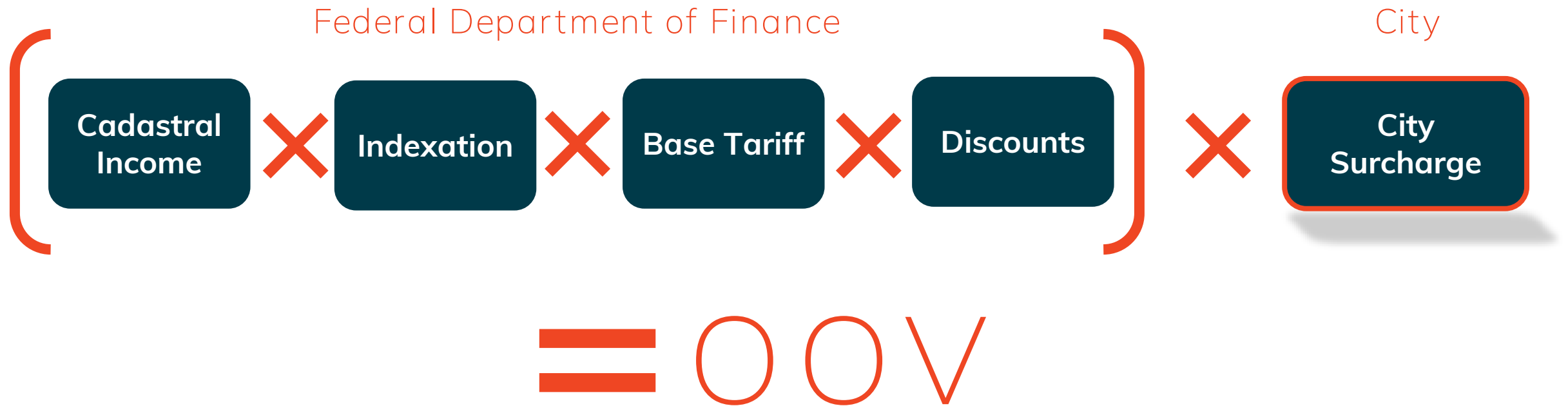


Property Tax as % of Total Revenue



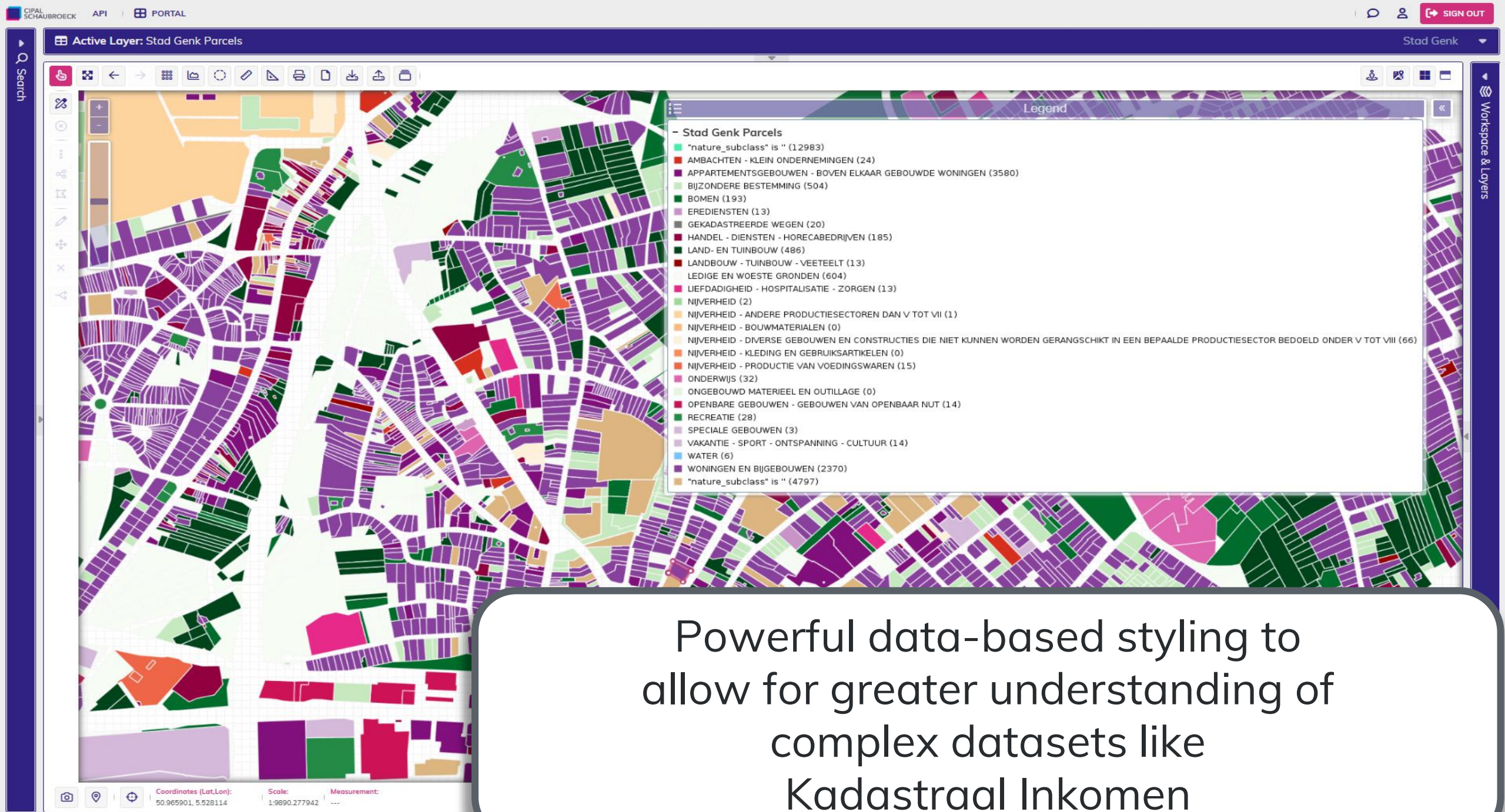
- Opcentiemen op de onroerende voorheffing
- All other revenue

Calculation

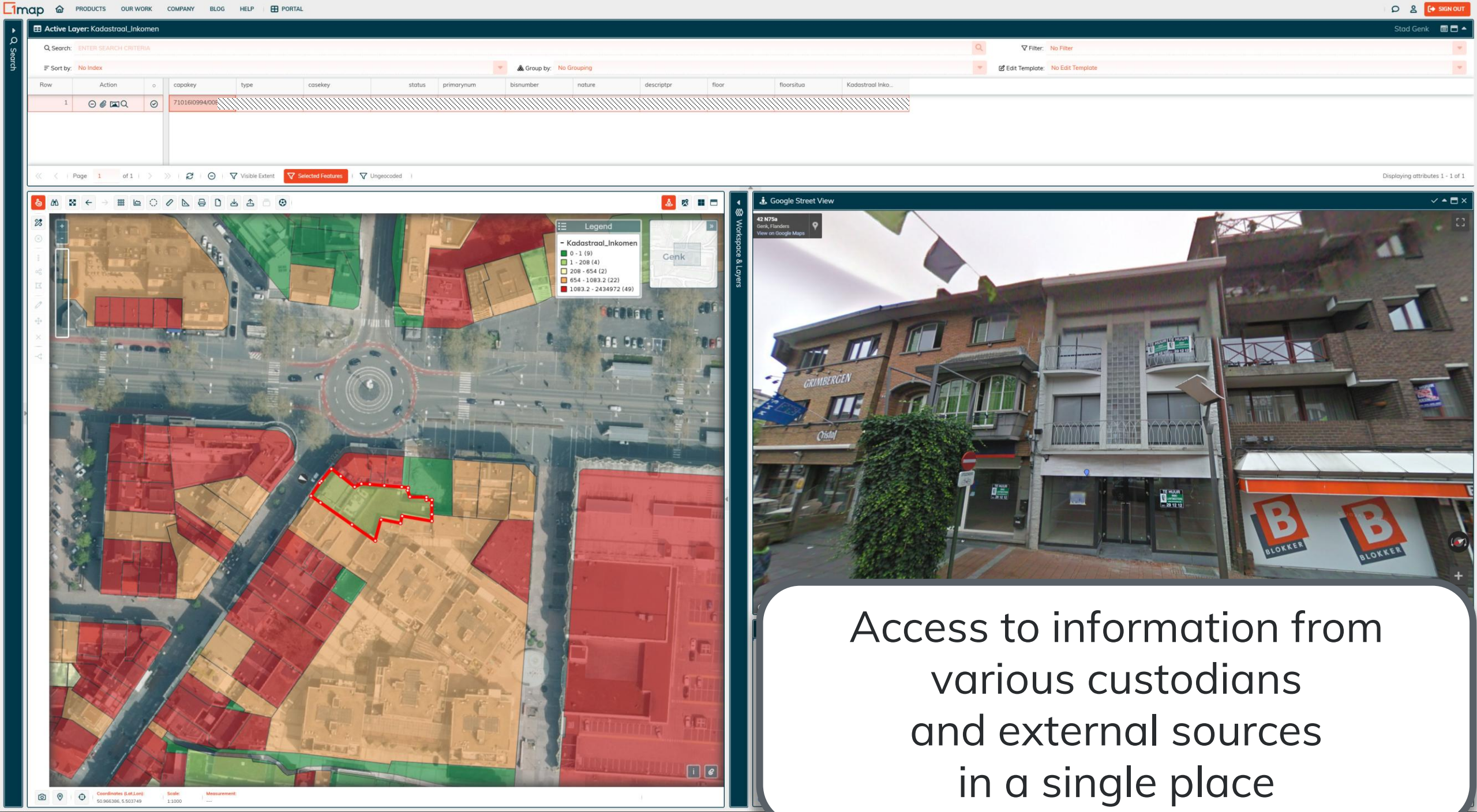


Taxation as a Strategic Tool





Powerful data-based styling to allow for greater understanding of complex datasets like Kadastraal Inkomen



Active Layer: Stad Genk Parcels

Search

Legend

Attributes: Stad Genk Parcels (onemapfid: 16613)

Column	Value
Sociaal Woning Vermindering	1
Mat&Uit Vermindering	1
Opcentiemen Berekend	0
Kadastrale Aard	ALG.GEM.DELEN GEB
Hoofklas: aard	GEBOUWDE AARDEN
Subklas: aard	APPARTEMENTSGEBOUWEN - BOVEN ELKAAR GEBOUWDE WONINGEN
Kommentaar: Aard	Oppervlakte en gemeenschappelijke delen in een appartementsgebouw of een openluchtparking (in te schrijven met een oppervlakte, zonder inkomenscode noch inkomen. Pro memorie vermeld omdat een dergelijk perceel in zekere zin ook als een ongebouwd planperceel kan worden beschouwd. Let wel: met

Attributes Attachments Georeferenced Attachments

Status: Ready

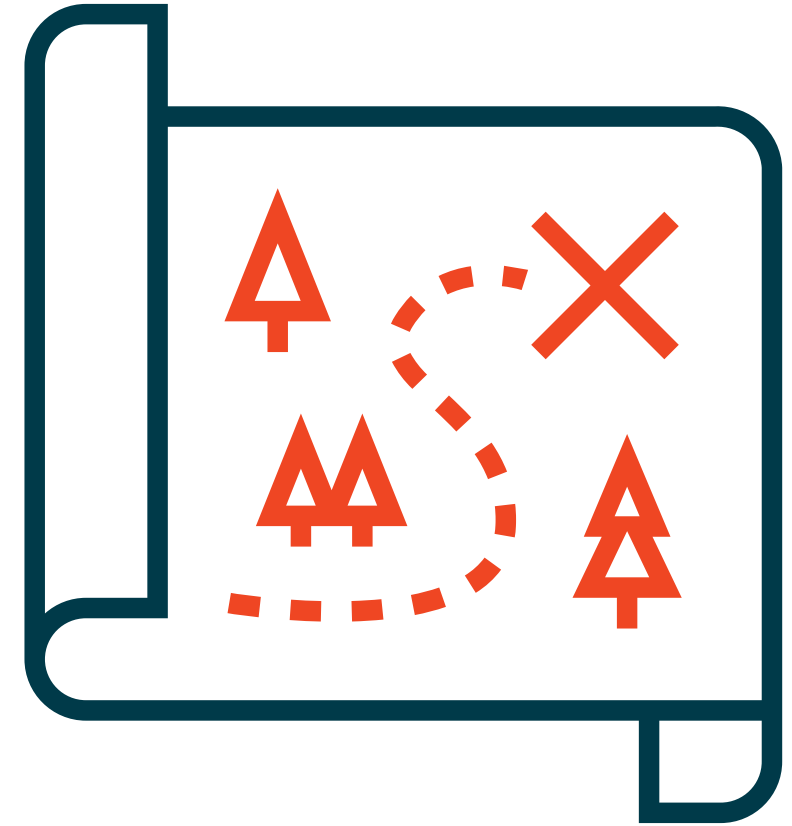
Coordinates (Lat,Lon): 50.972548, 5.508962 Scale: 1:1000 Measurement: ---

Close

Go from big picture overview to detailed desktop audits without changing applications or needing to transfer data



Trends,
challenges, &
opportunities



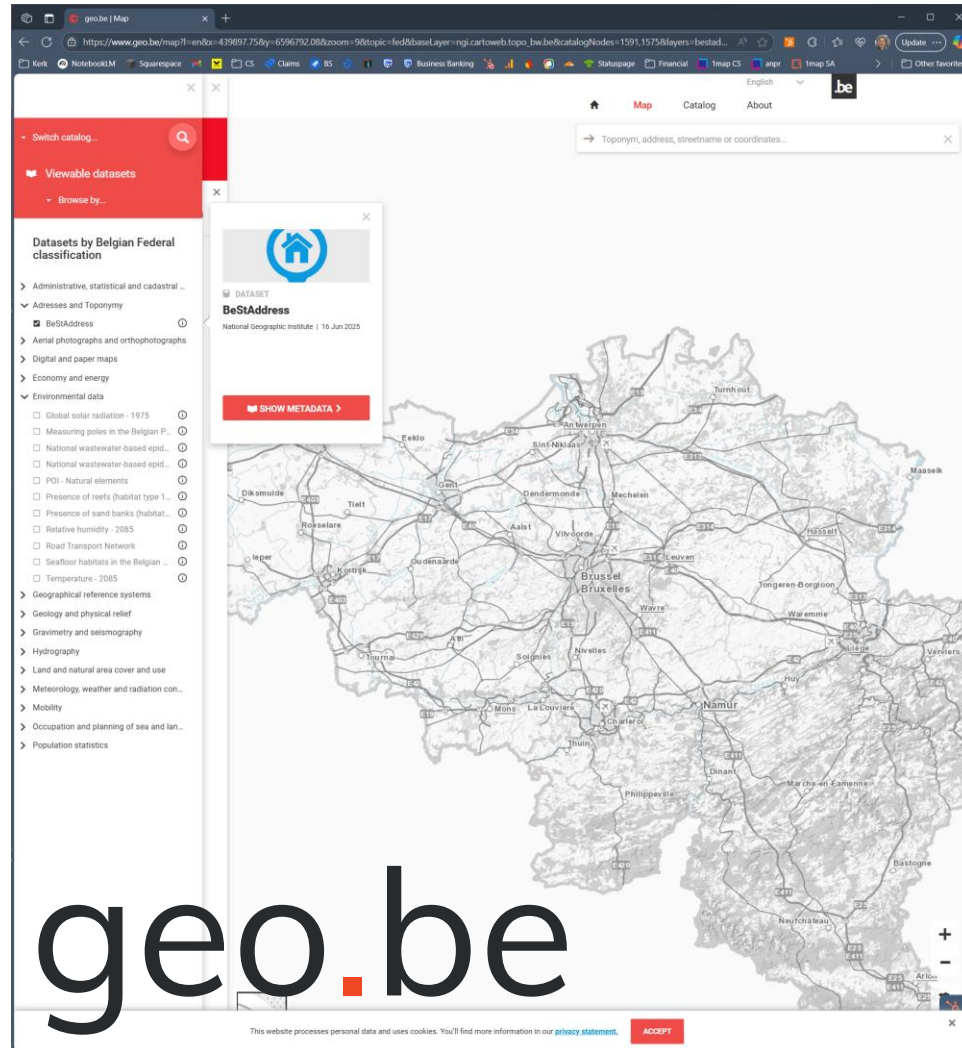
Trends



Belgian Ecosystem



Regional vs Federal





See. Understand. Act.