

DIGITAL TVILLING



Österåker







Pontus Gustafsson

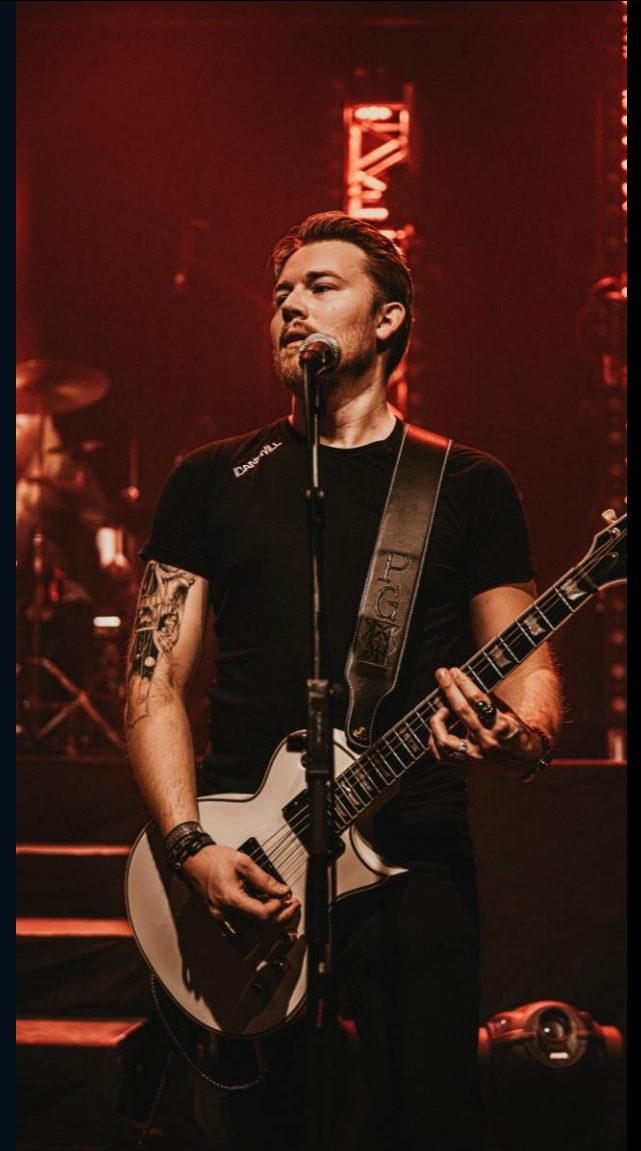
Österåkers Kommun

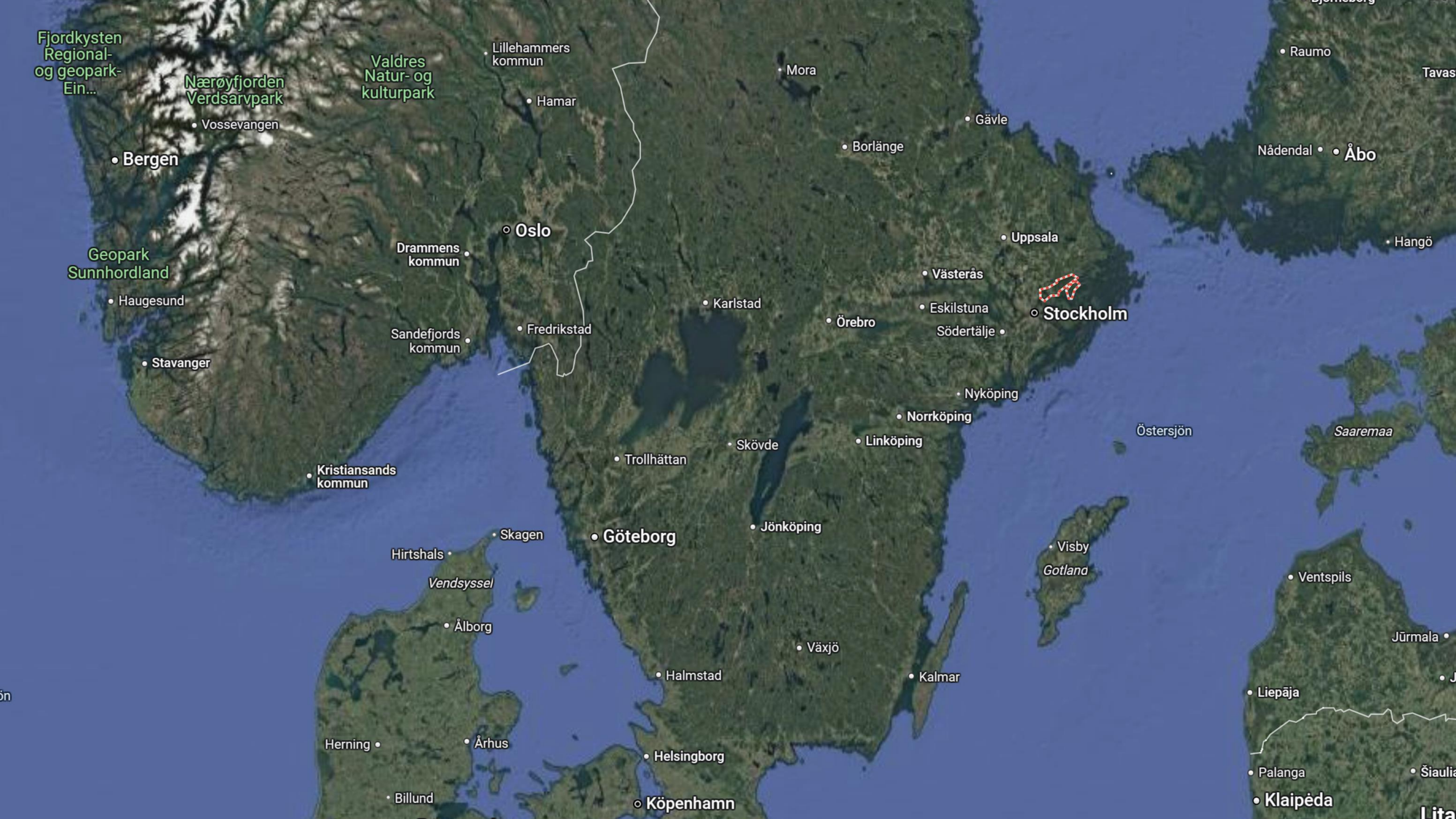
Titel: Data-driven innovationsledare

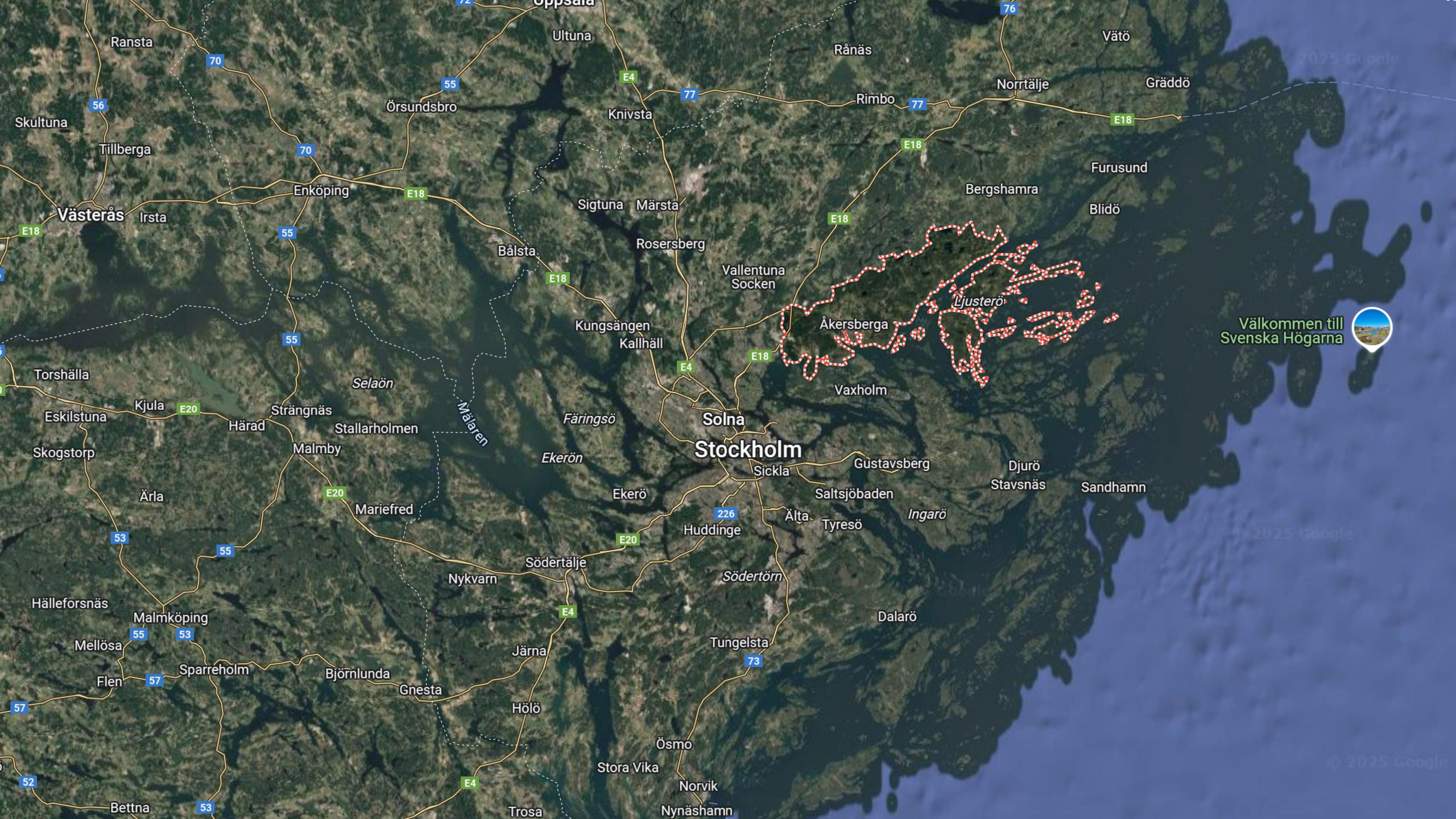
Utbildning: Samhällsplanerare

Arbetsuppgifter:

- Digital tvilling
- IoT
- Visualisering
- 3D
- Innovation







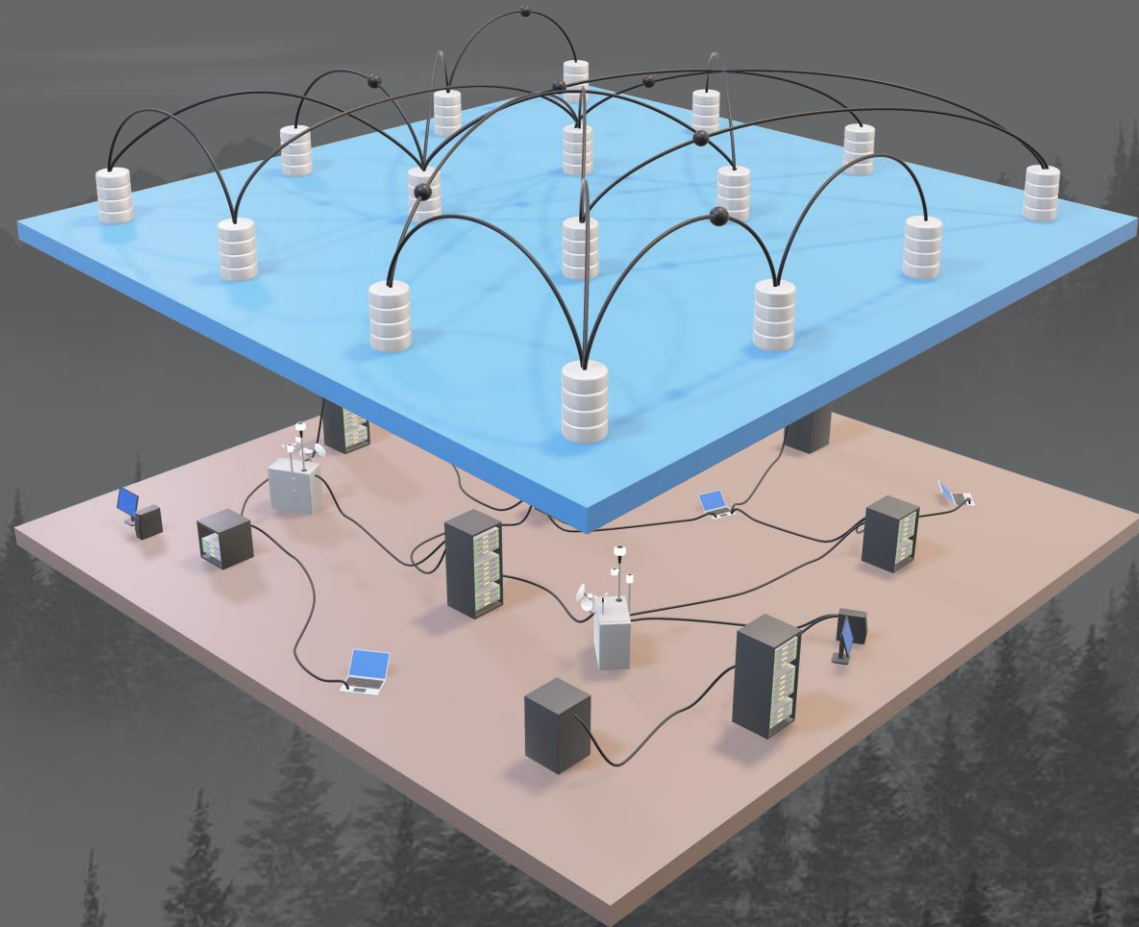
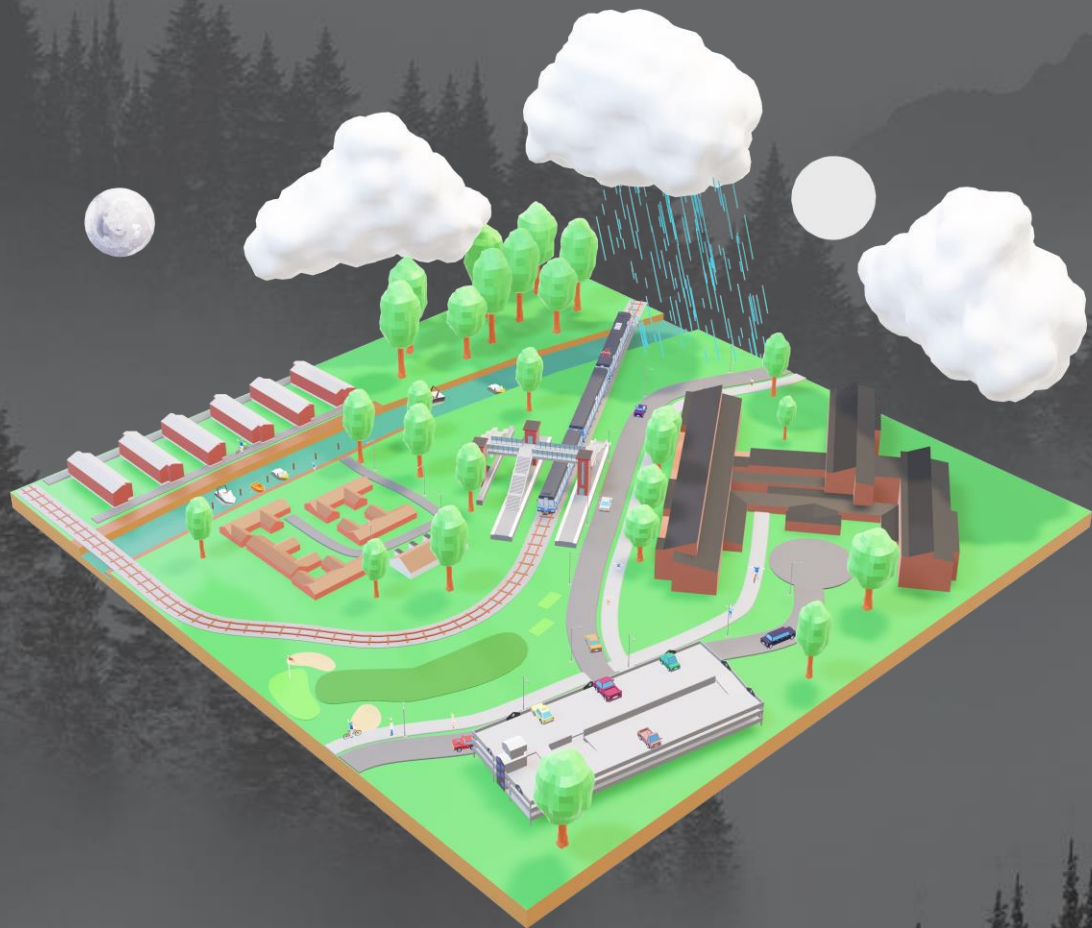
Välkommen till Svenska Högarna



Tvillingens struktur



Tvillingens struktur



Österskär: 6.0 Minuter
Tunegård: 7.9 Minuter
Åkersberga: 10.0 Minuter
Vatten nivå
Data attribution: Google Data attribution

Planförslag

Följ tåg

Byt kamera

Reset Camera

Avgångar 28S

Österskär: 6 Minuter

Tuna: 7 Minuter

Åkersberga: 10 Minuter

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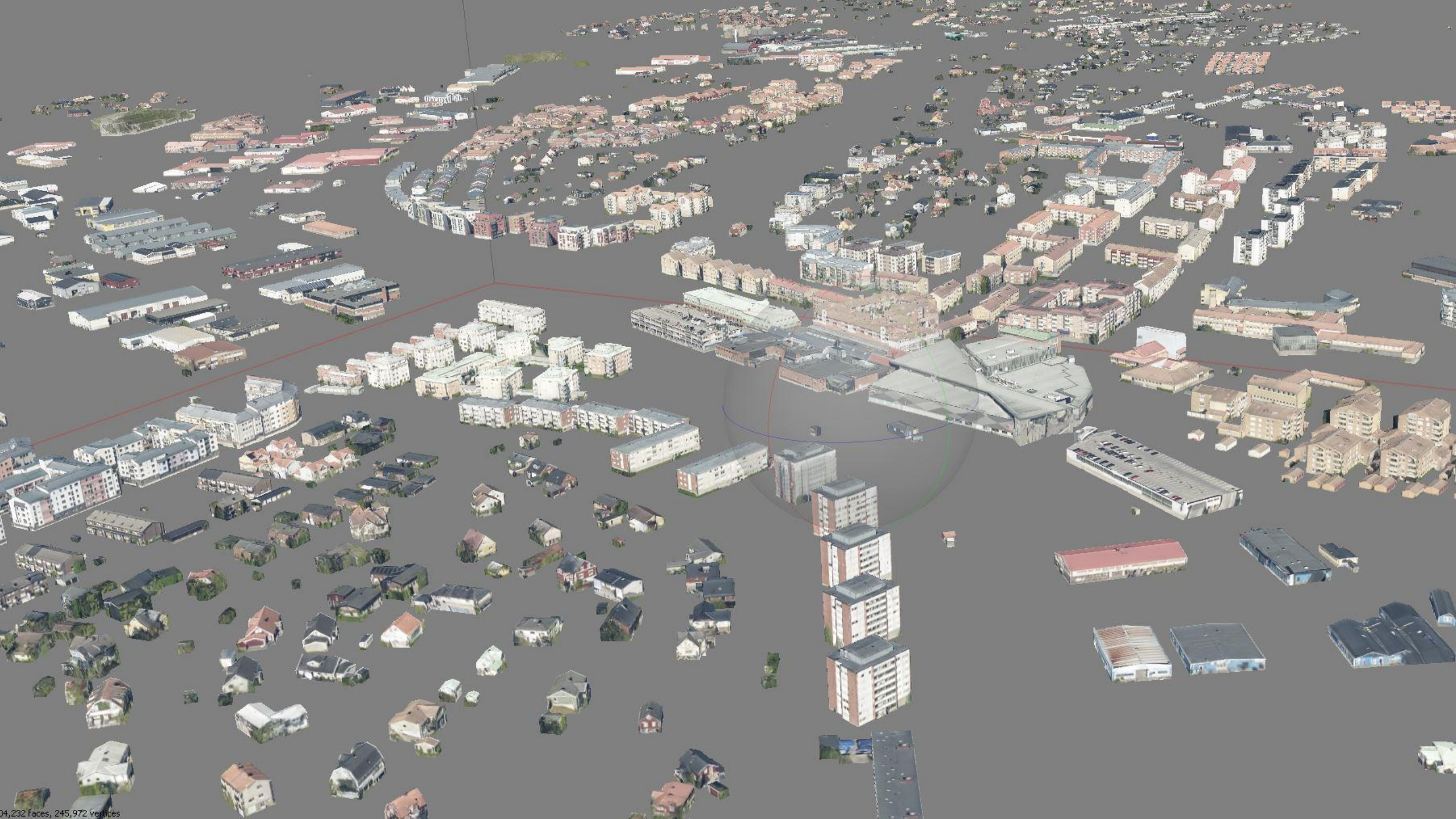
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Åkersberga: 10 Minuter

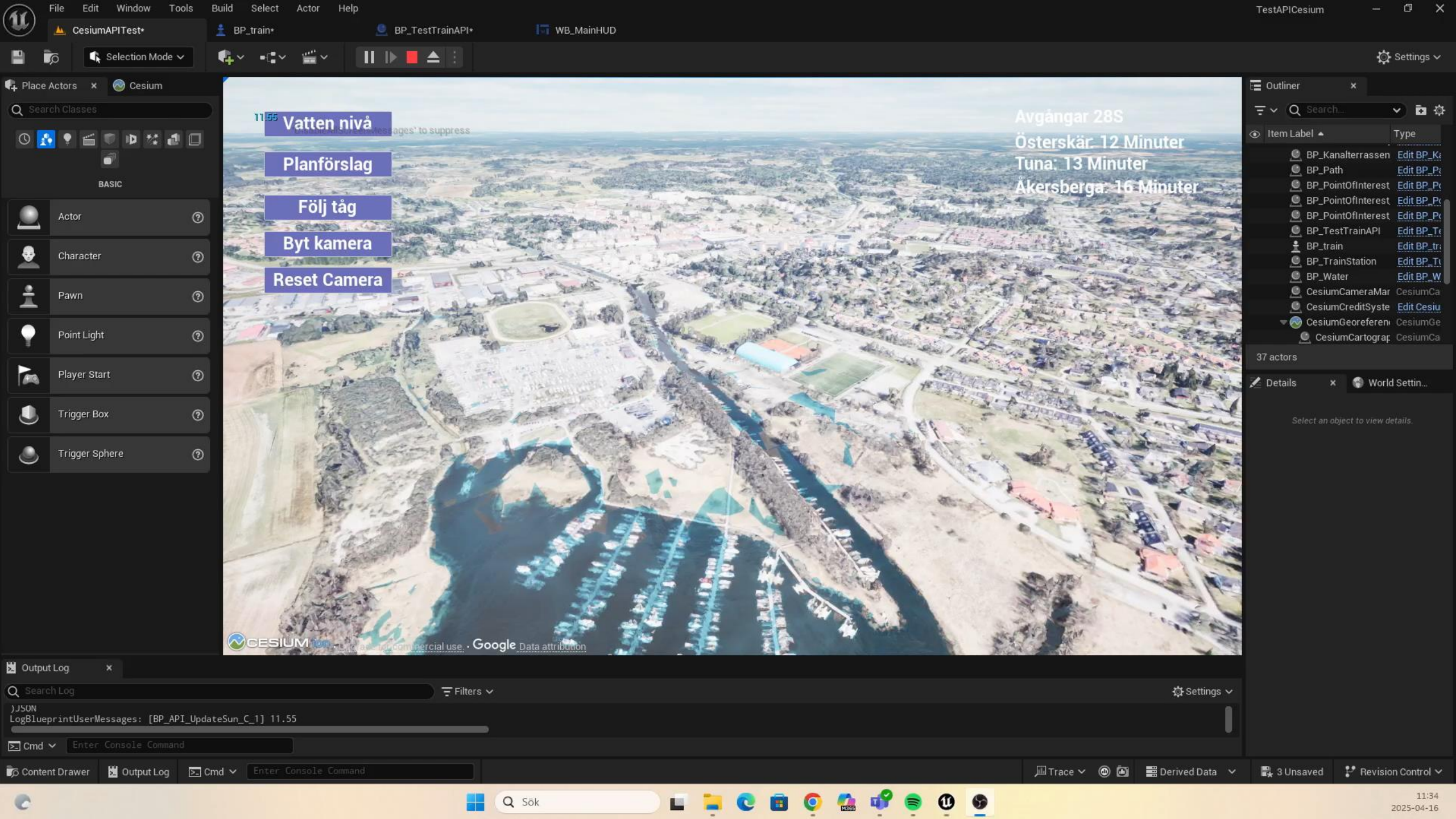


UNREAL ENGINE



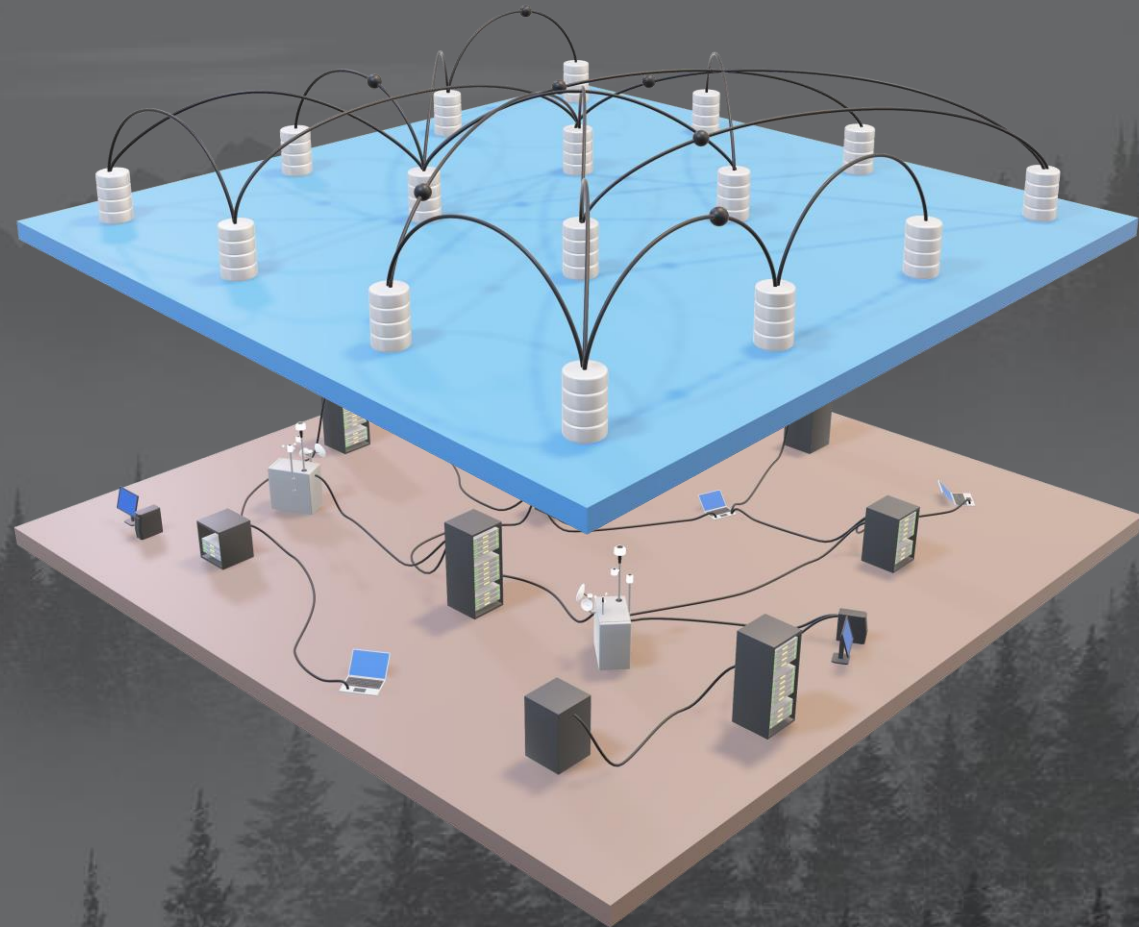
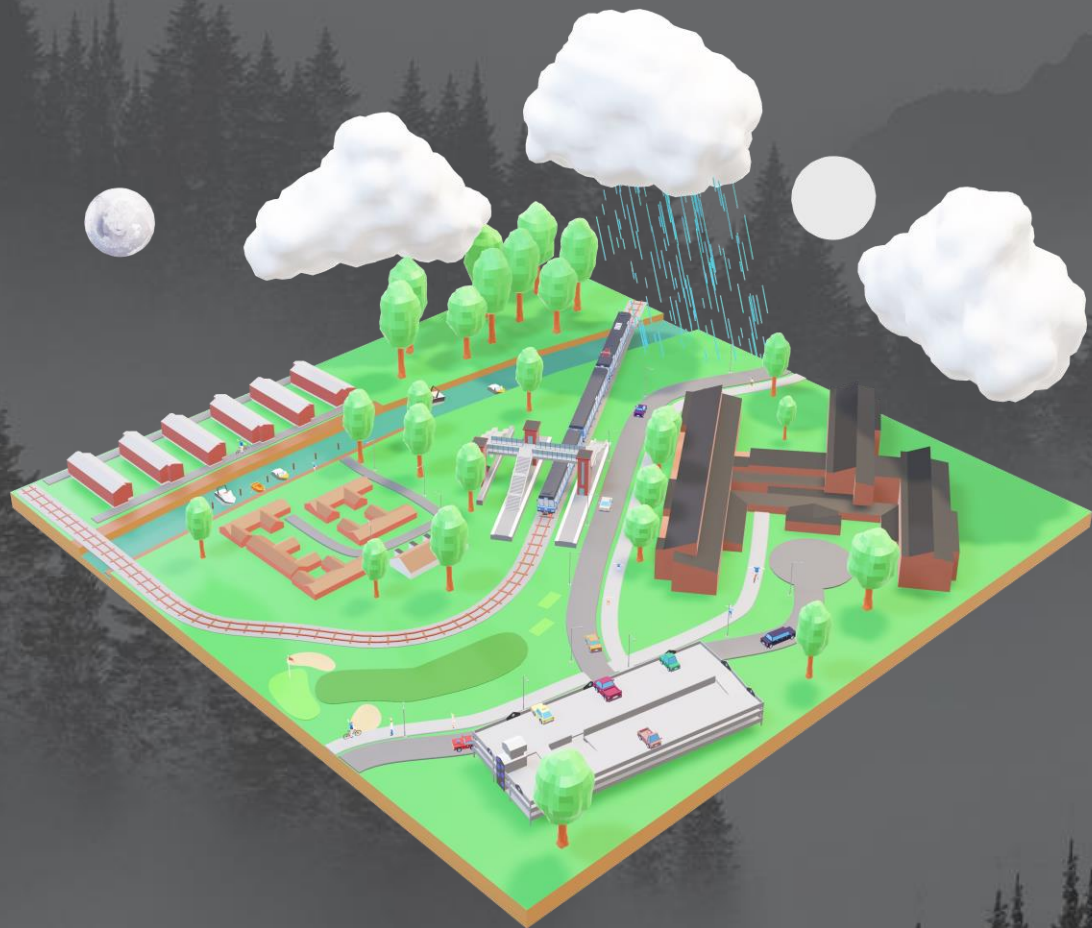




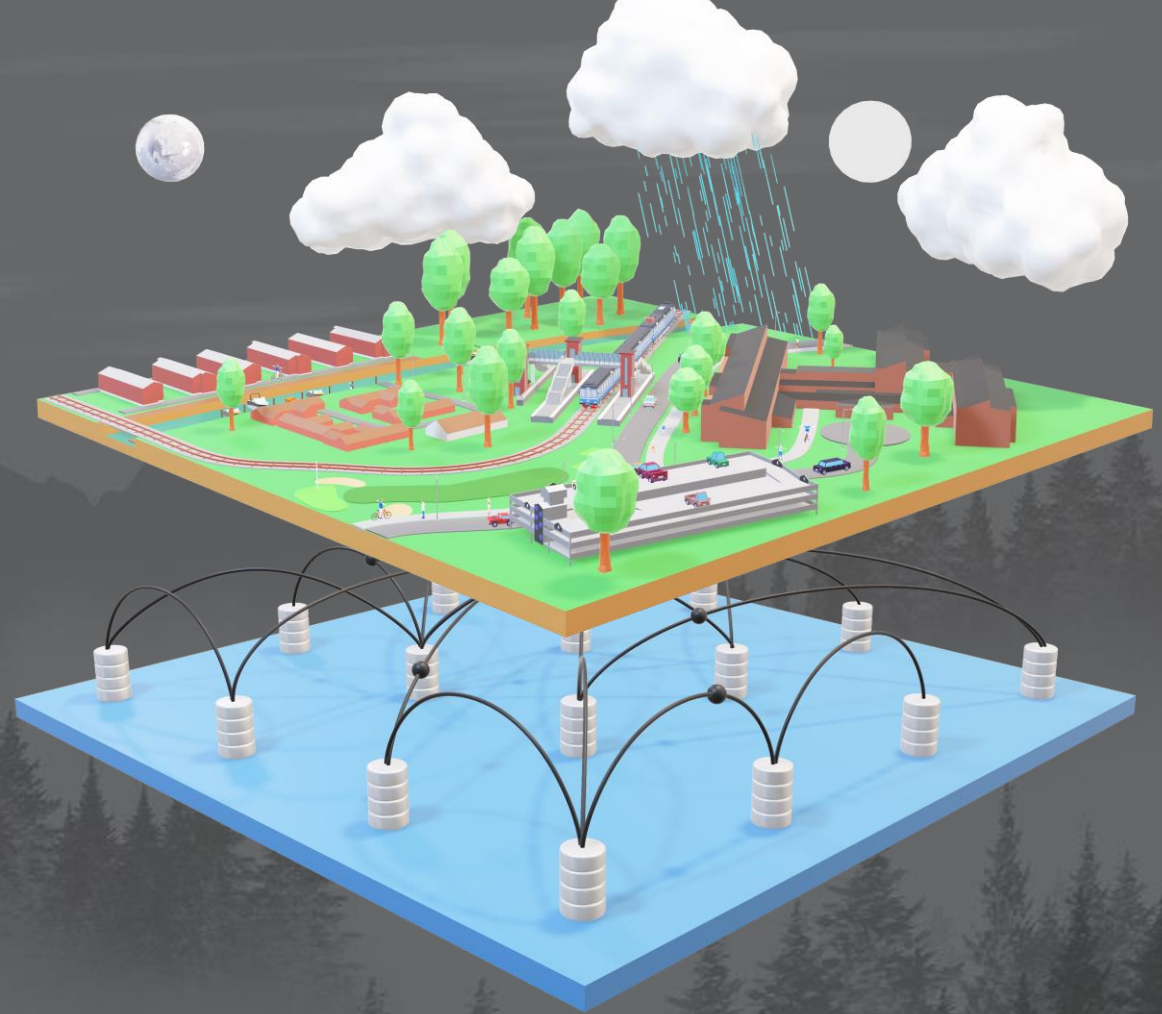
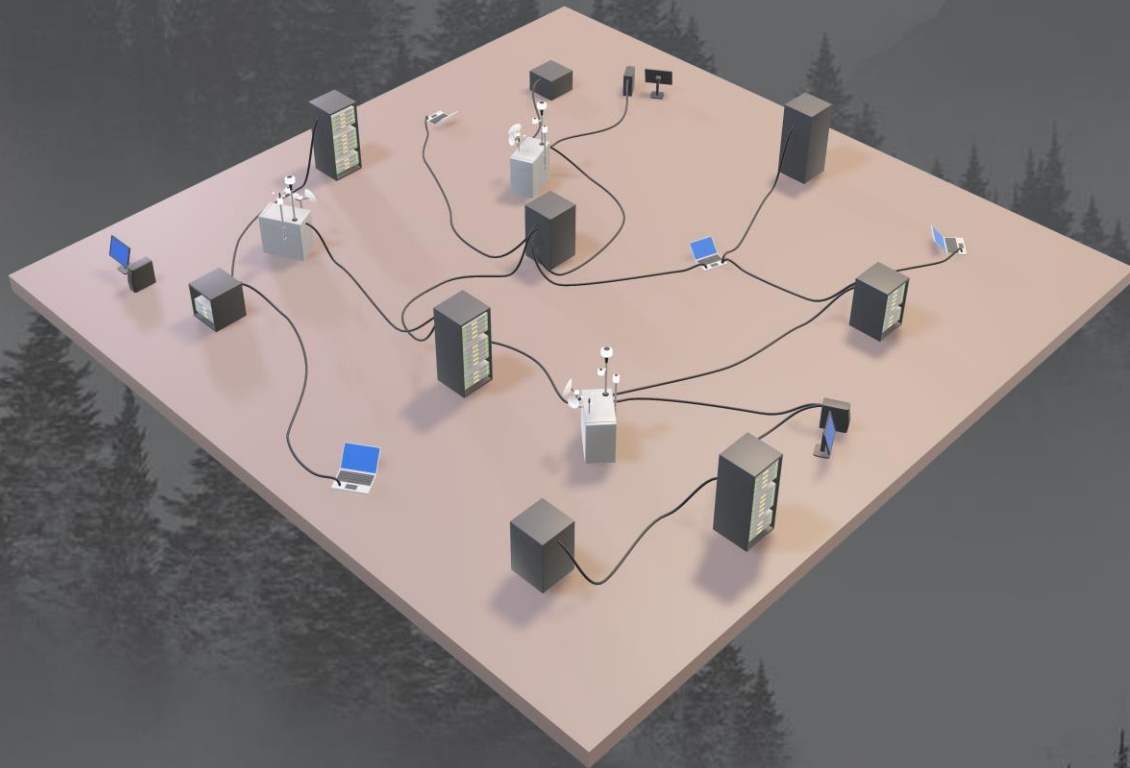




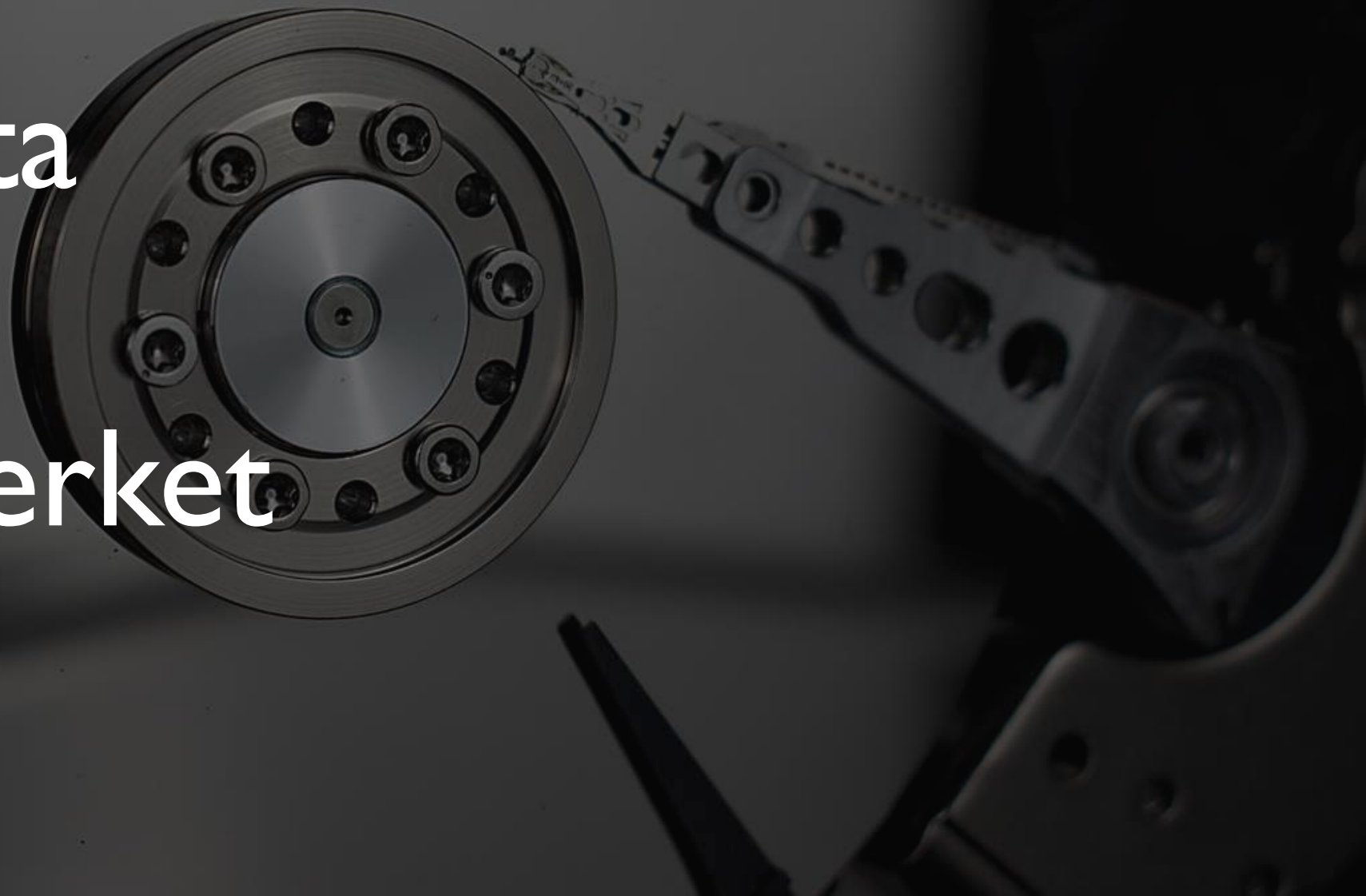
Tvillingens struktur



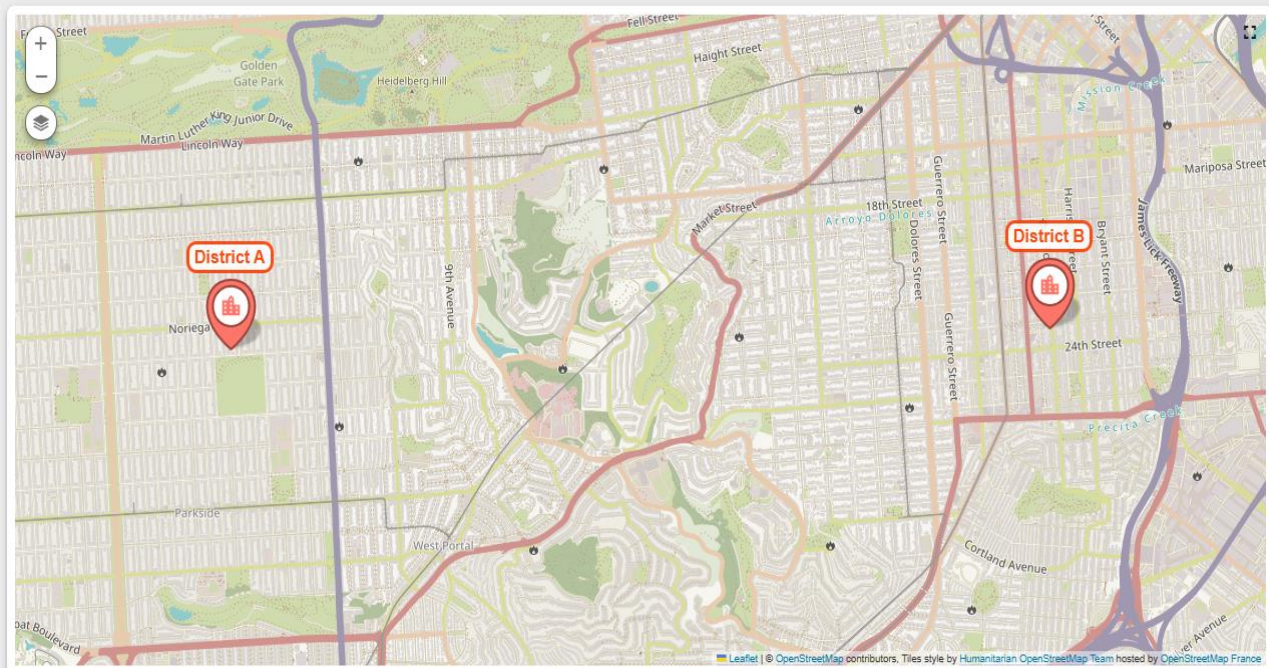
Tvillingens struktur



- API
- GIS data
- SCB
- Trafikverket
- IoT







All Districts: Alarms

Realtime - last day

Created time ↓

Originator

Type

Severity

Status

No alarms found					
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Items per page: 10

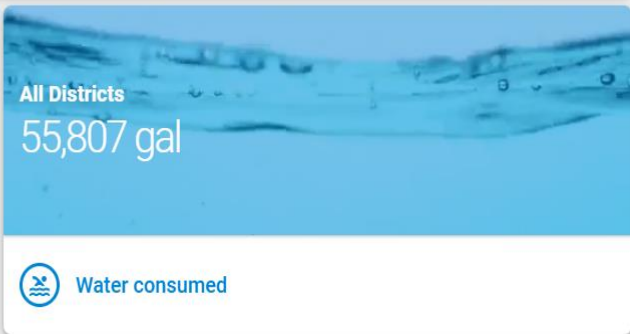
1 - 0 of 0

Districts

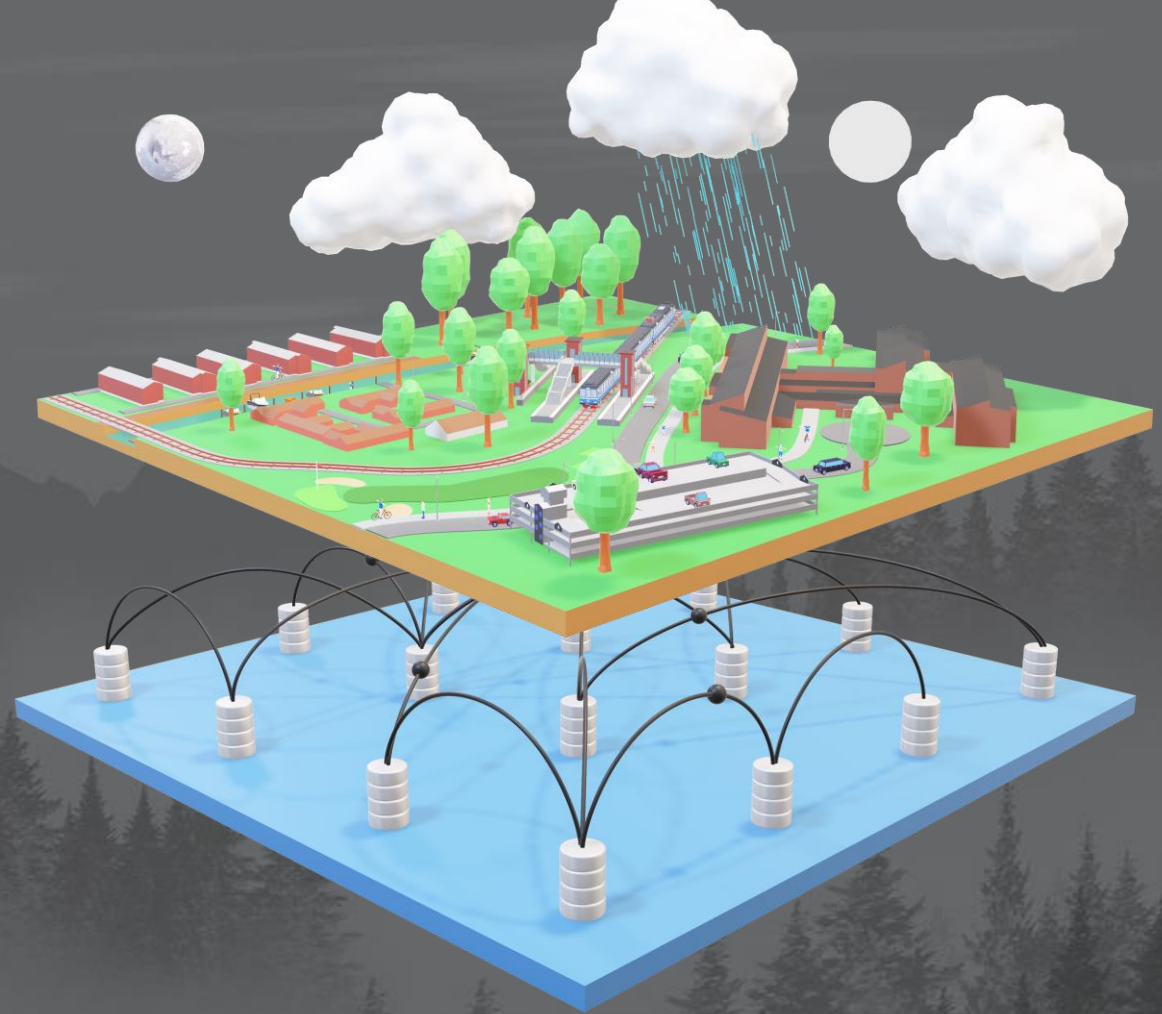
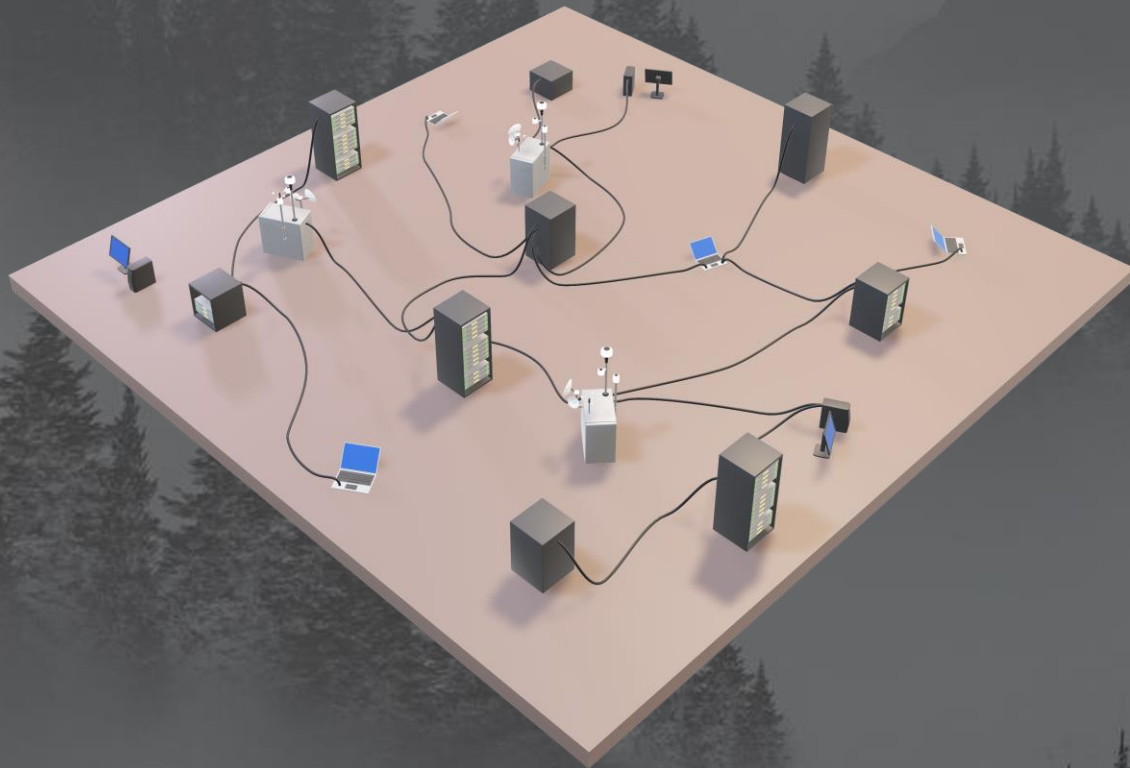
District ↑	Address	Energy consumed	Water consumed		
District A	US, San Francisco, CA, Sunset District	35,405 kWh	29,535 gal	▶	ⓘ
District B	US, San Francisco, CA, Mission District	43,131 kWh	26,272 gal	▶	ⓘ

Items per page: 10

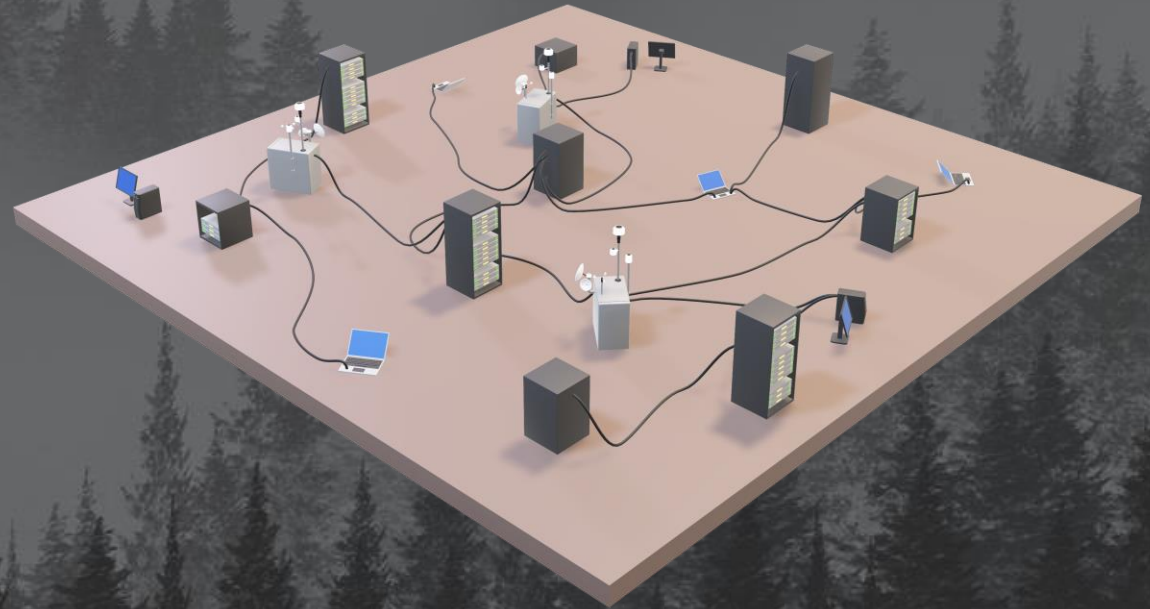
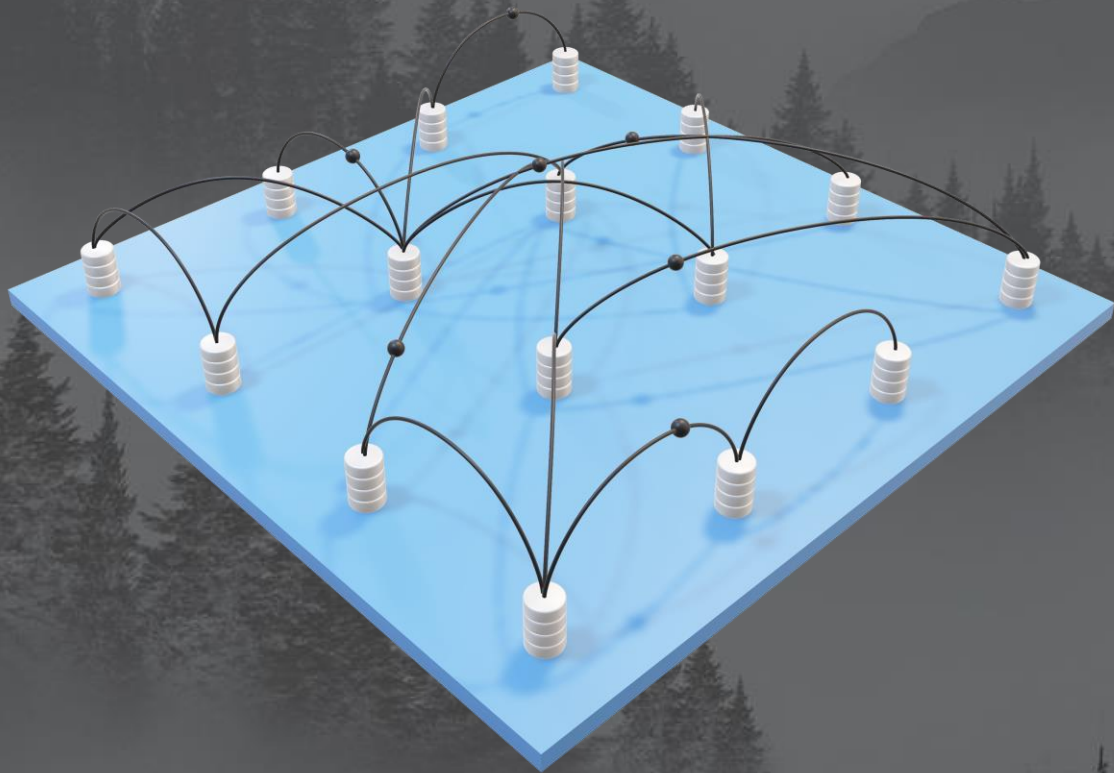
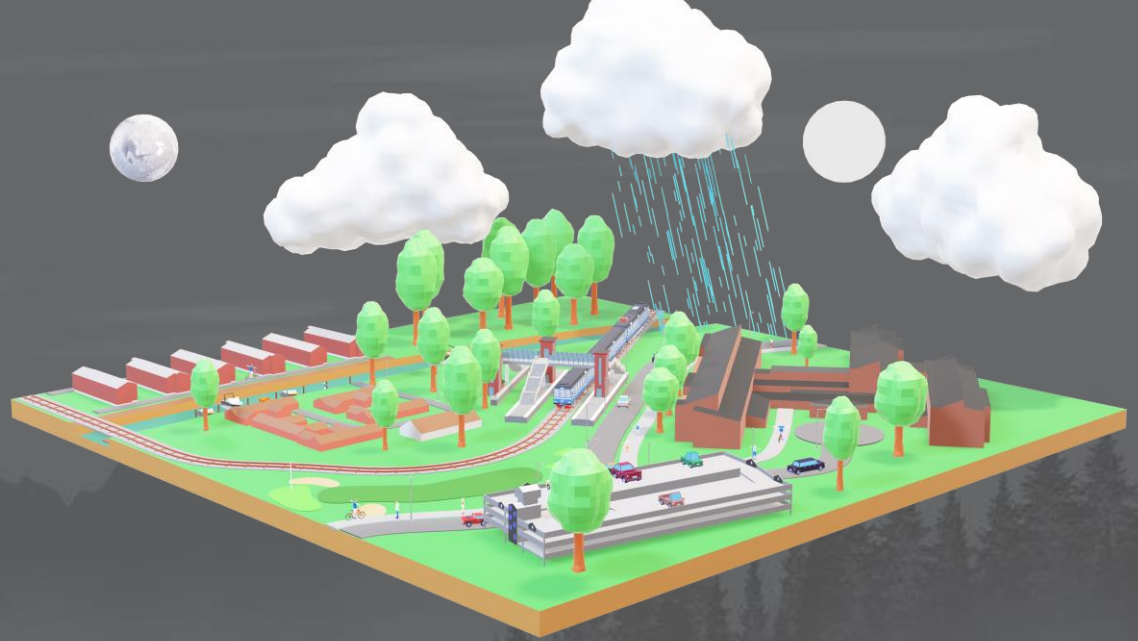
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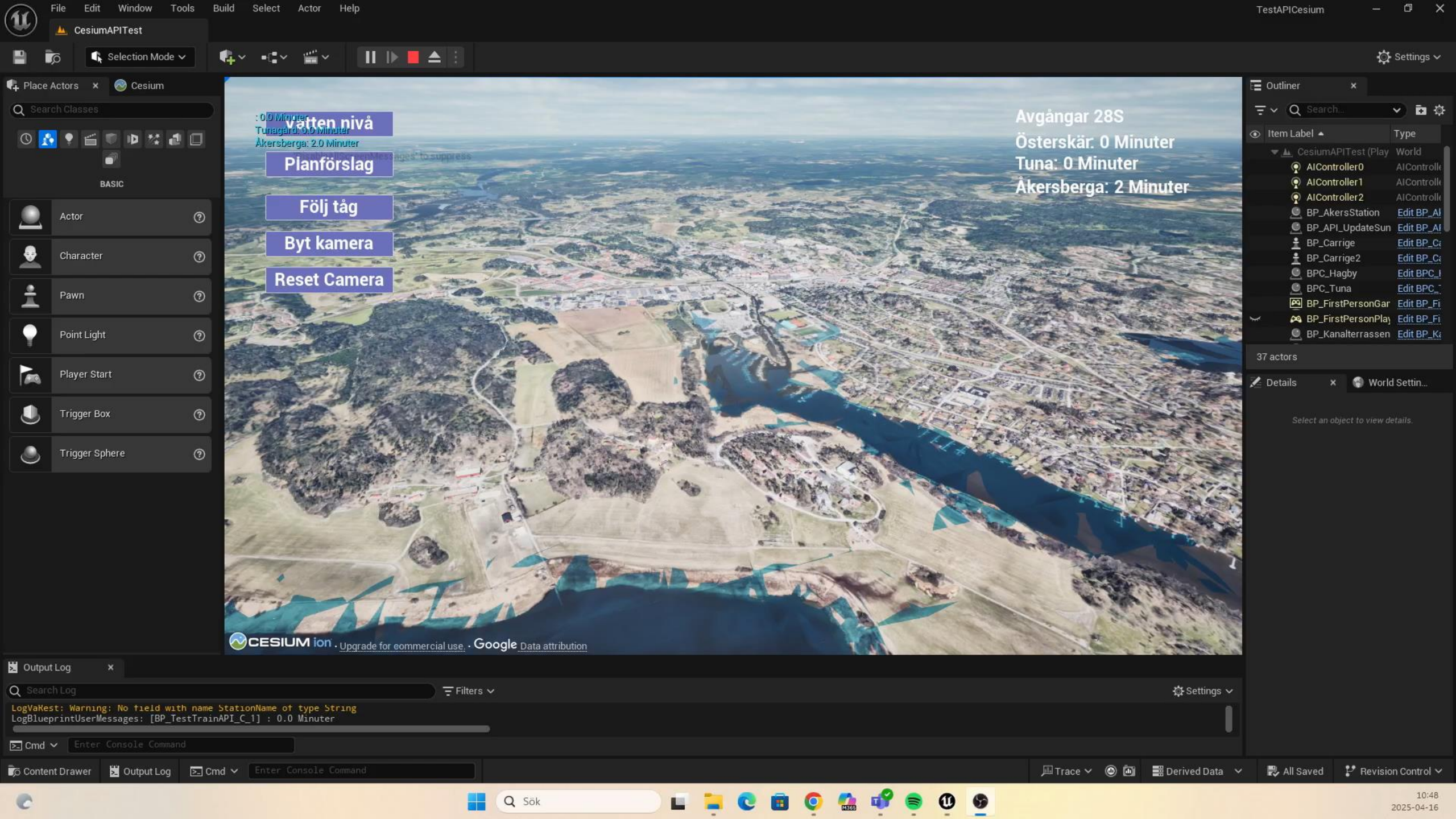


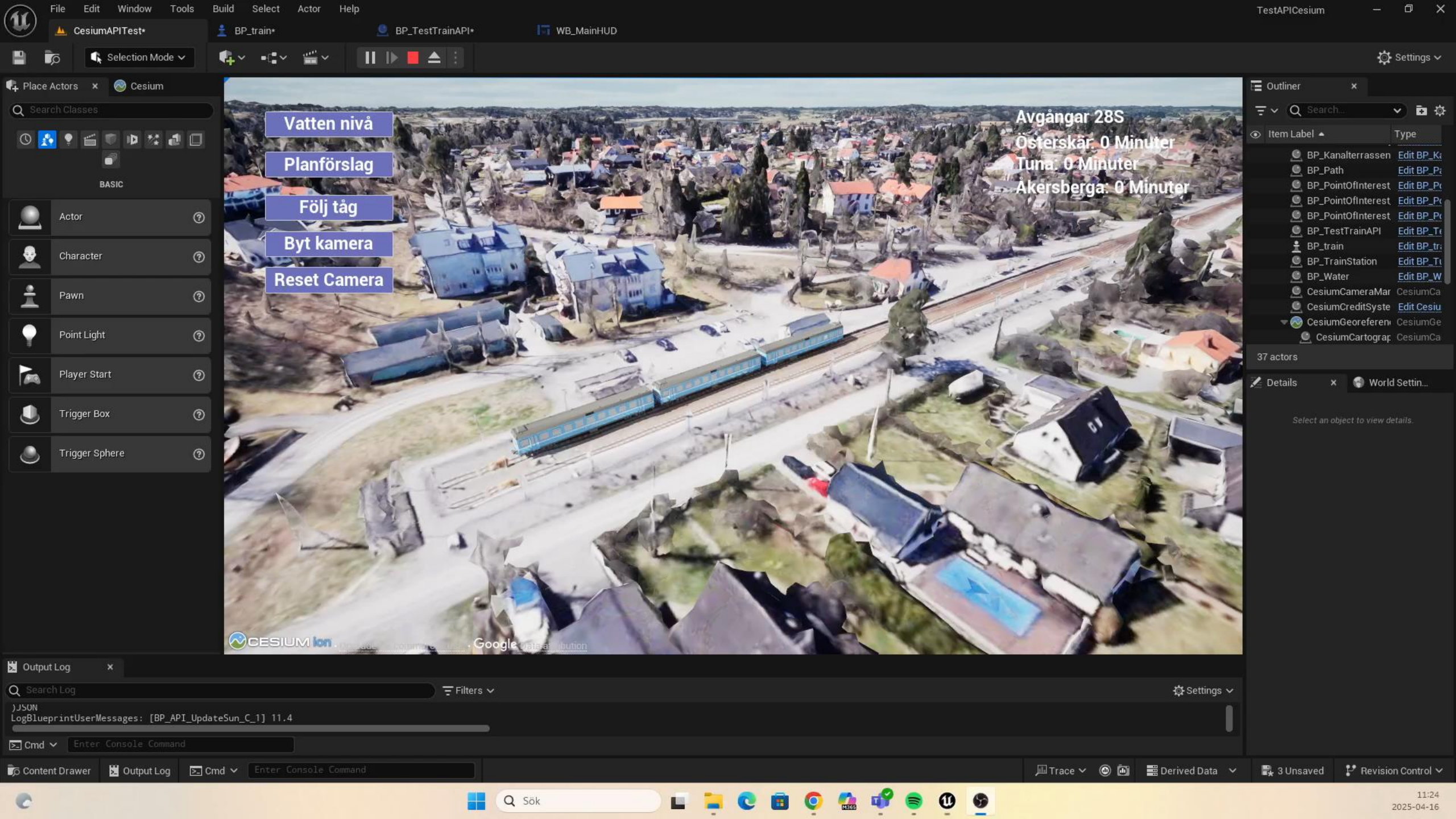
Tvillingens struktur



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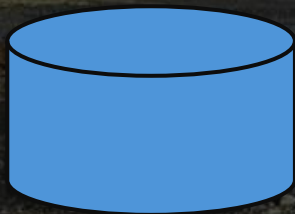




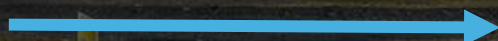
API



UNREAL
ENGINE



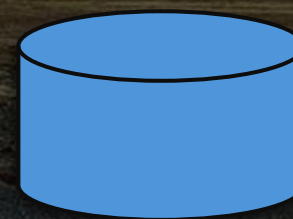
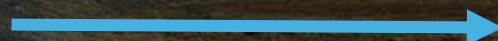
Frågan



Friends



Frågan

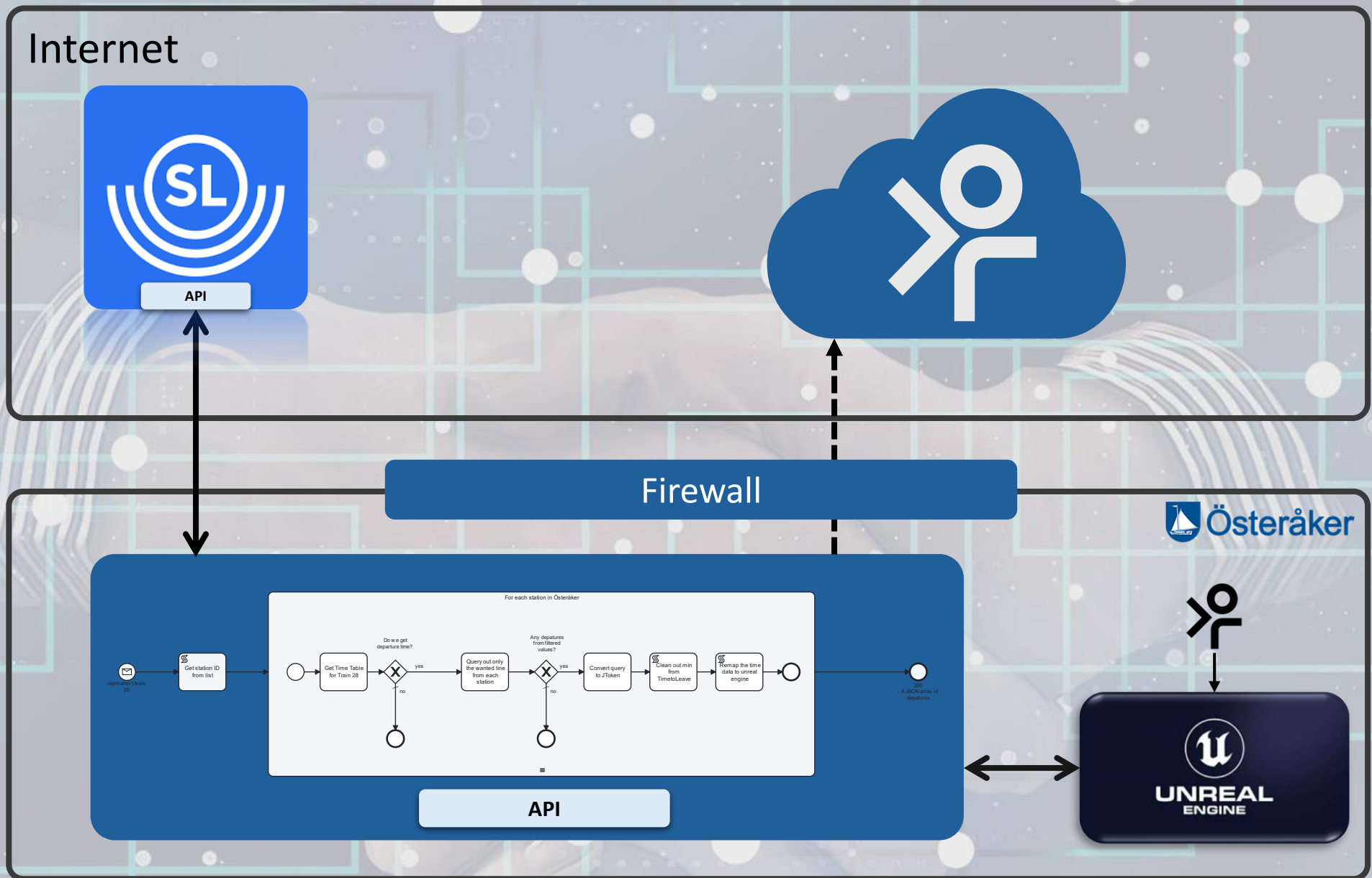


Svaret

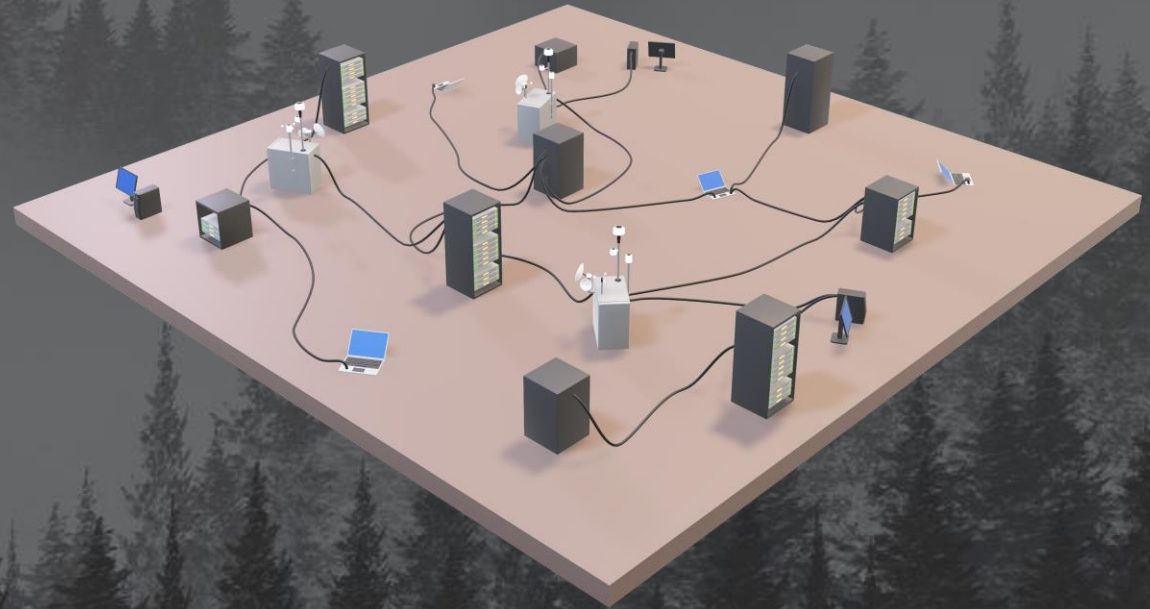
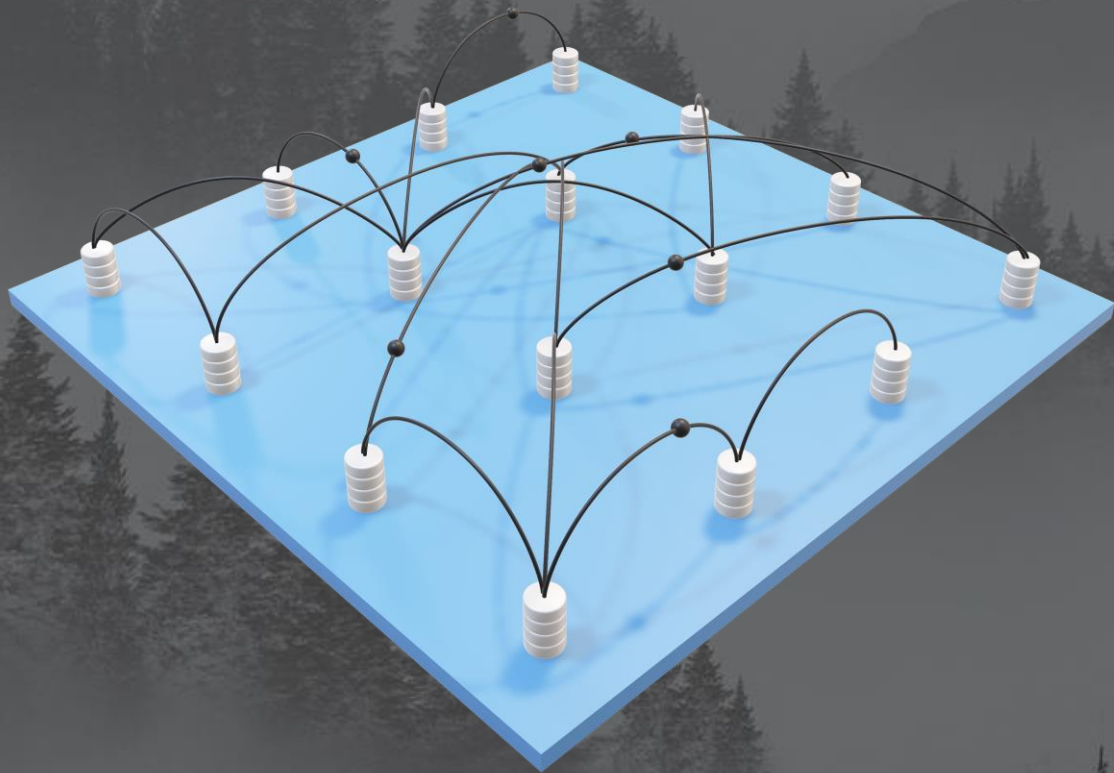
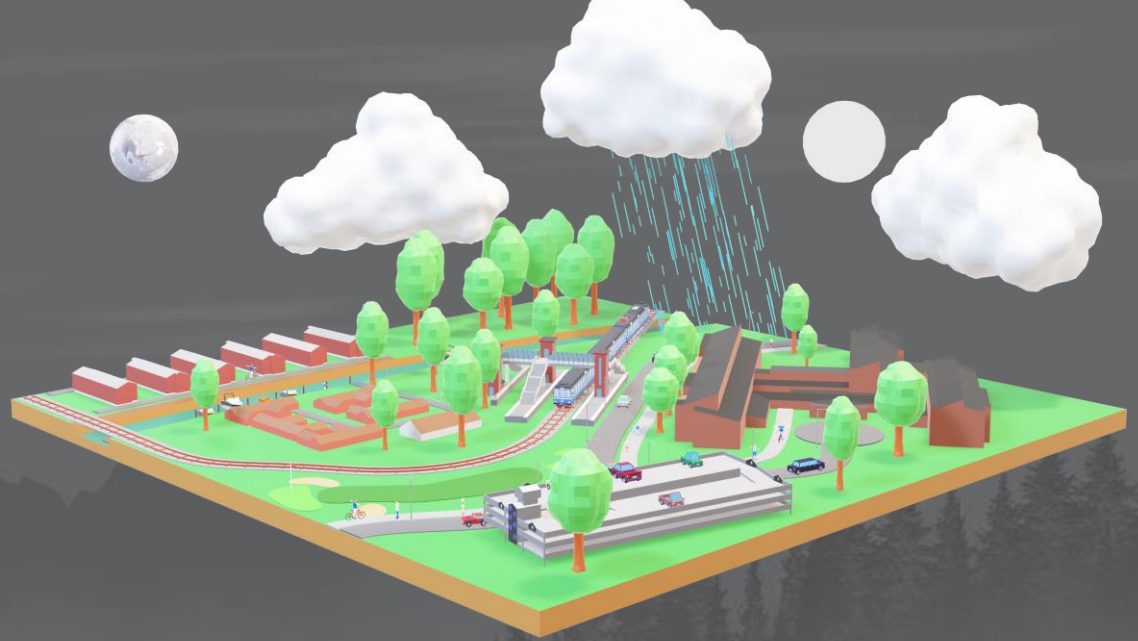


Svaret





Tvillingens struktur



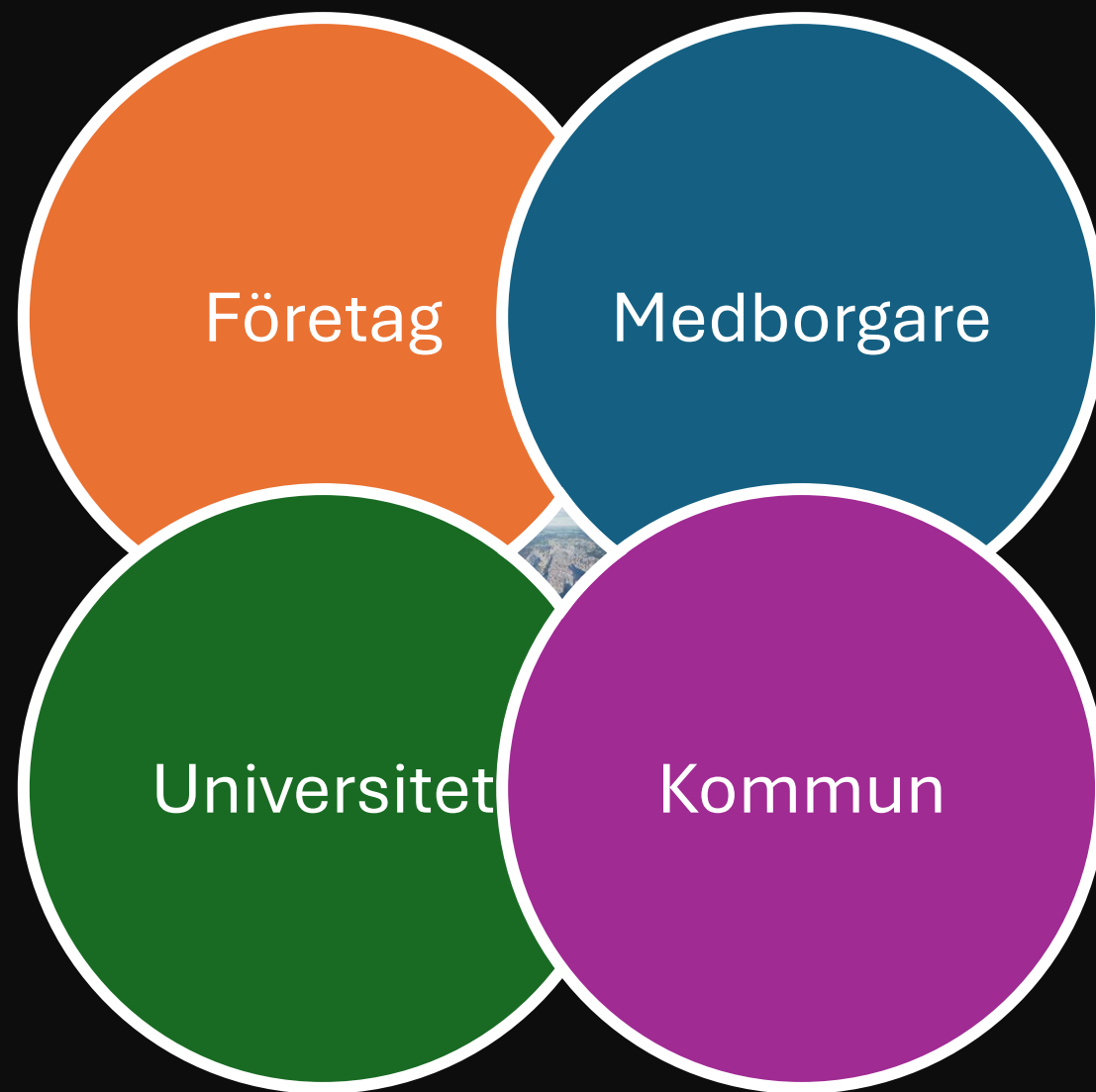
Tvillingens struktur

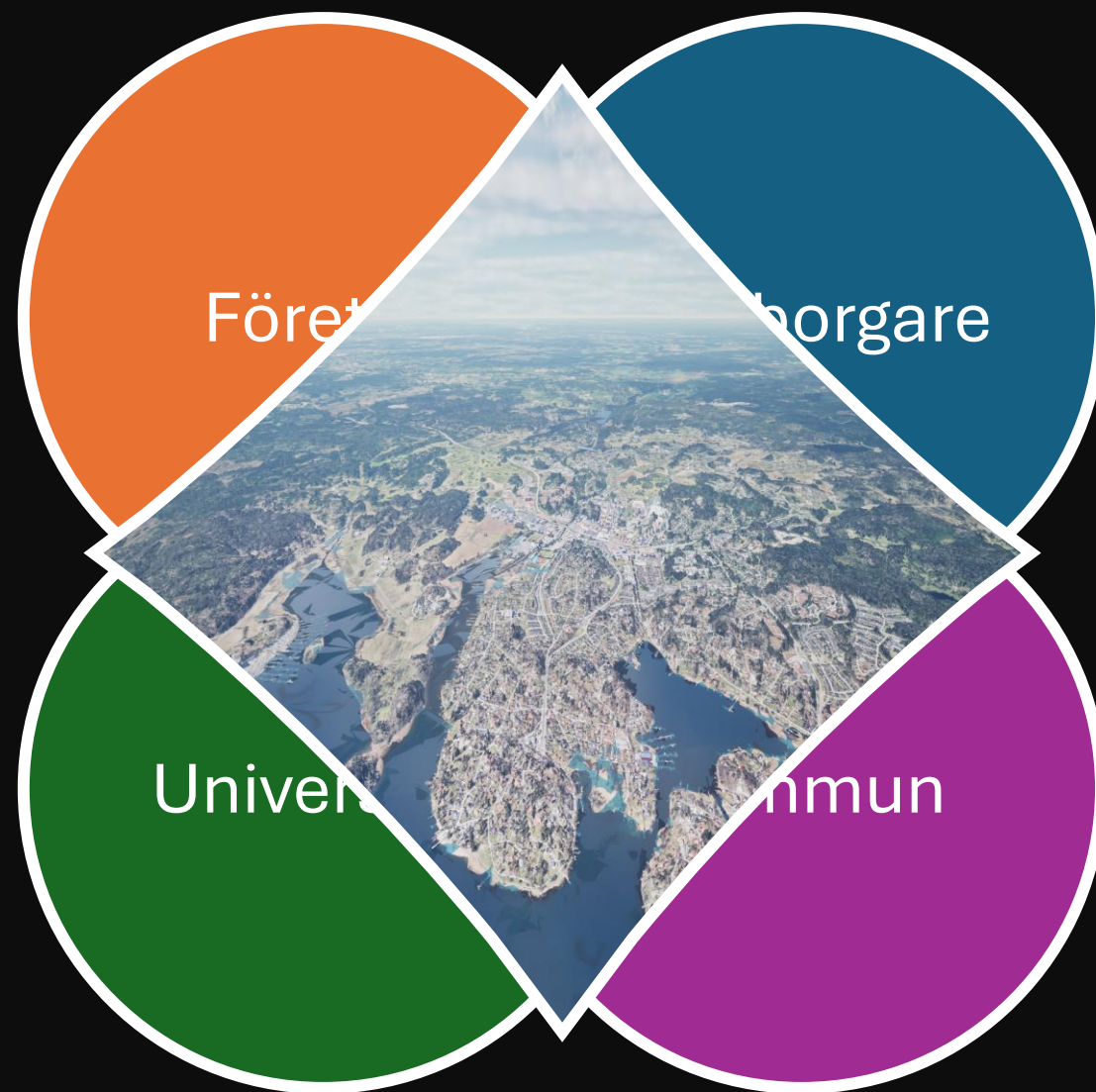


Varför en
digital tvilling?



- 
- A person is sitting at a wooden desk, writing on a document with a pen. They are wearing a watch on their left wrist. In the background, another person's hand is visible, gesturing. The image is dimly lit and has a dark overlay.
- Simulering
 - Effektivisering
 - Planering
 - Dialog





Vägen framåt





NORRKÖPING



KARLSTADS KOMMUN

Visual City Platform

Forskningsprojekt



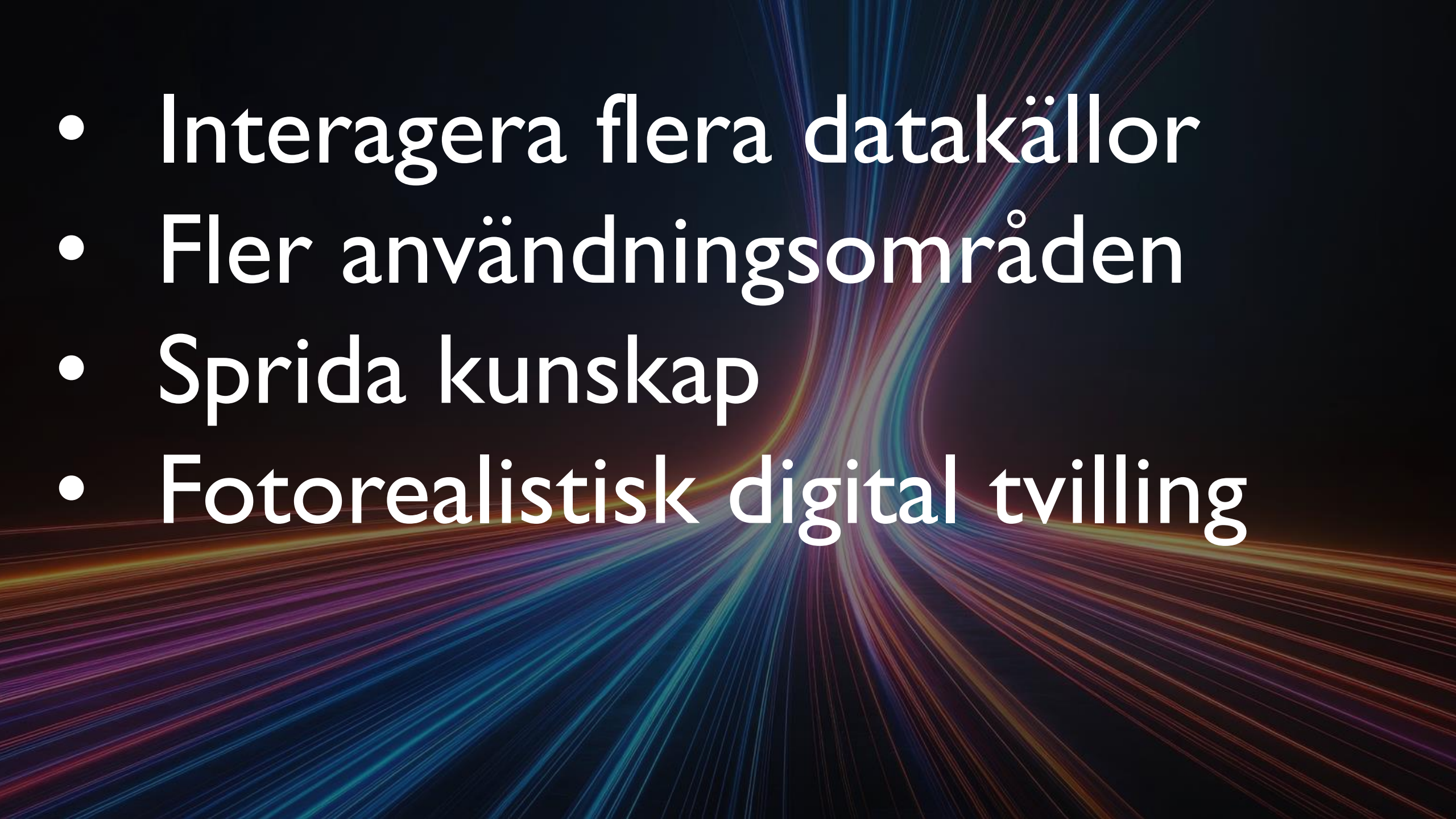
Skellefteå
kommun



Linköping



Österåker

- 
- Interagera flera datakällor
 - Fler användningsområden
 - Sprida kunskap
 - Fotorealistisk digital tvilling

Frågor?