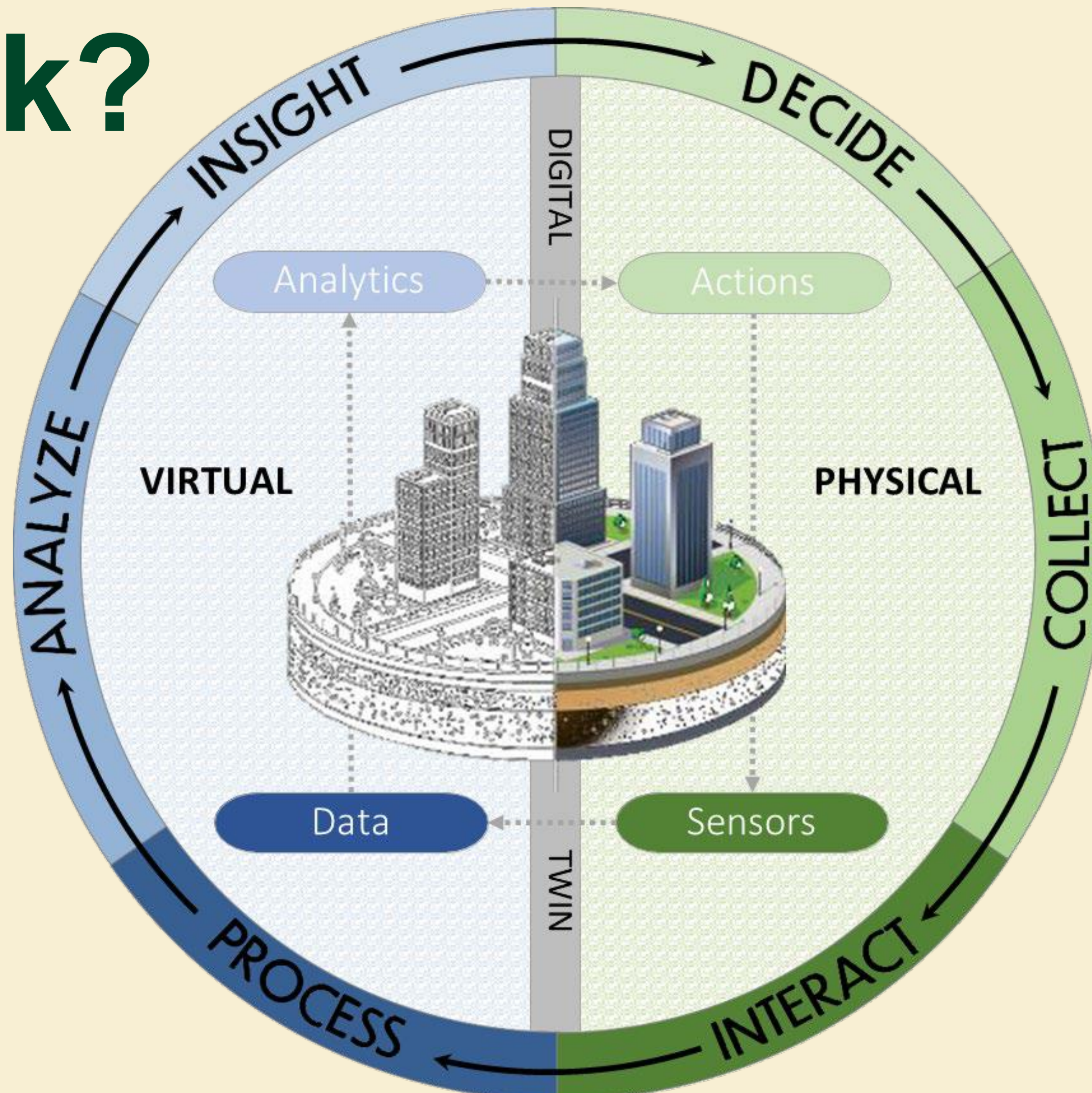




# How does the digital twin work?



to be reactive

to near-real-time changes

Example

<https://www.utrecht.nl/3d>

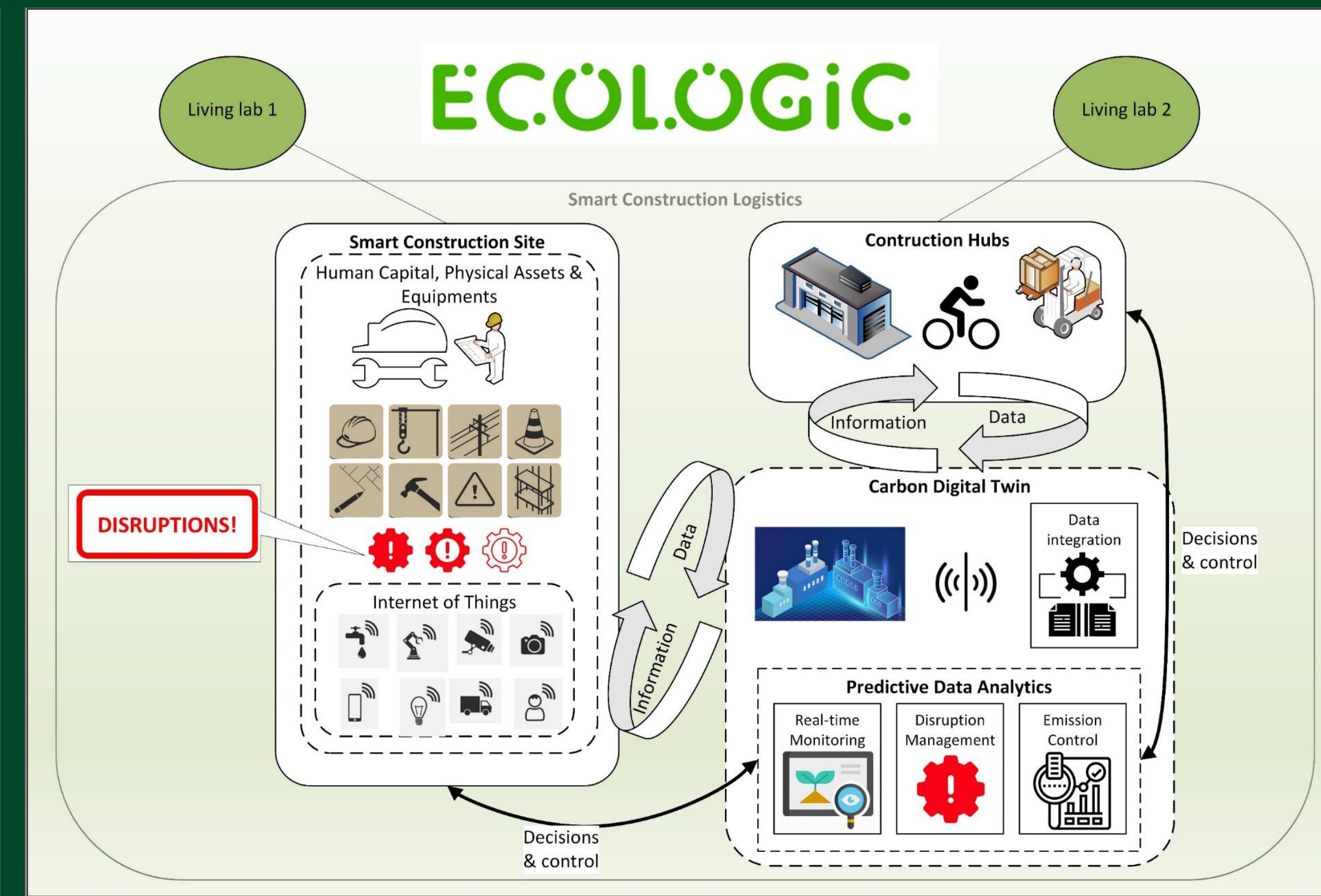
Layers → Thema maps → HeatIndex

But.. what is missing here?

# Two living labs



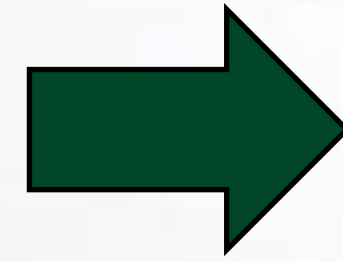
## Smart Construction site & Construction Hubs(?)



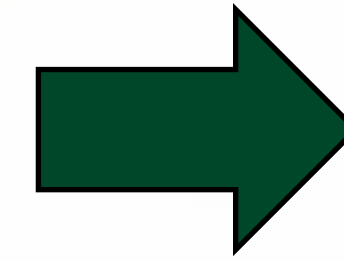
# Triple A approach



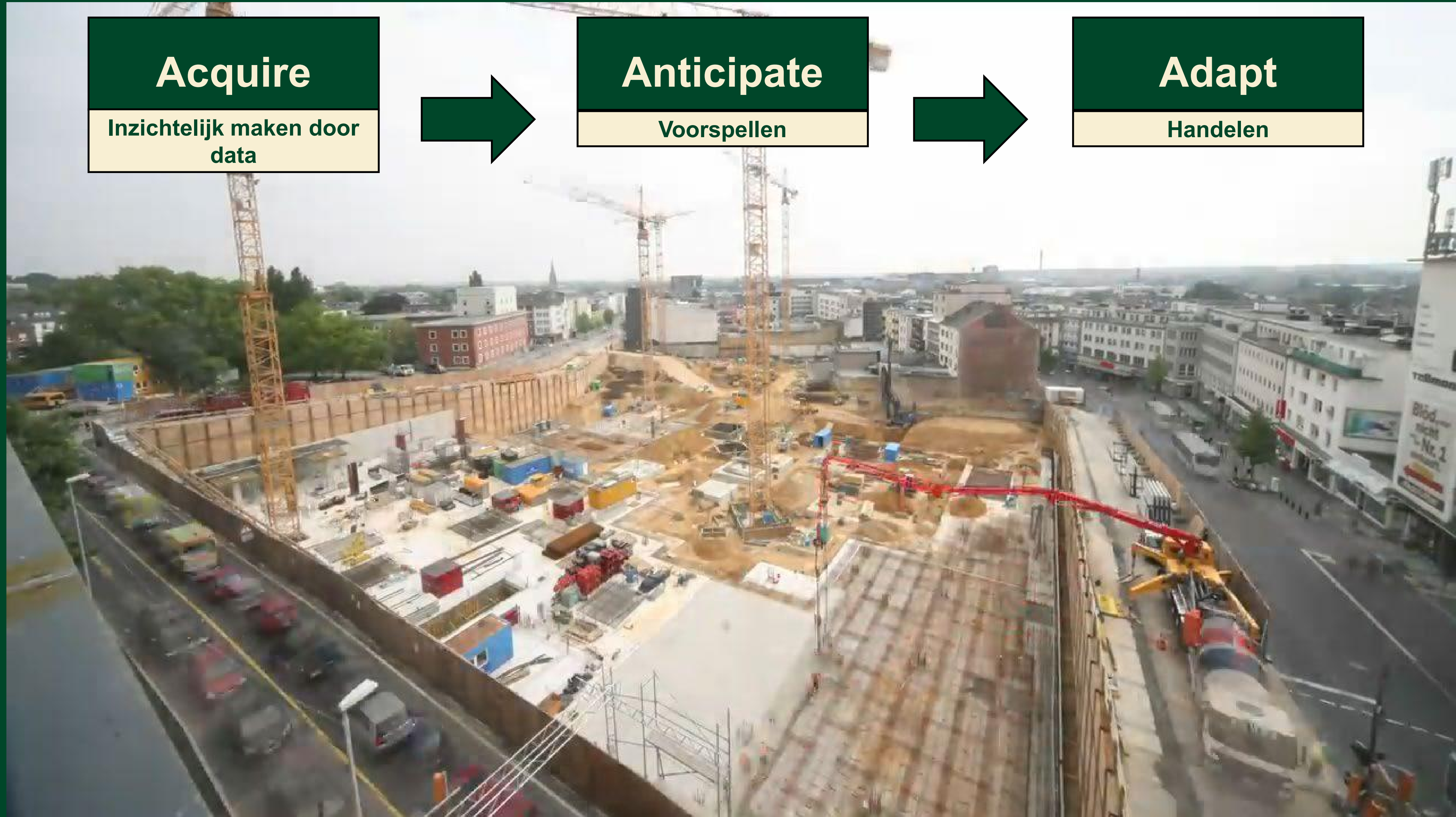
**Acquire**  
Inzichtelijk maken door data



**Anticipate**  
Voorspellen



**Adapt**  
Handelen





# Planning (shifted by two months)



# Workshop: Shorter term planning



Task 1.1: Use cases and technical and functional requirements  
→ Working towards the living lab “Smart construction site”



## Goal:

- Gather use cases & align expectations
- Suggestion to use the template
- Divide consortium in groups of 5-6 persons
- At least 2 use cases per group.



**30 min.**

Including break!

An aerial photograph of a construction site. The ground is dirt and mud, with various construction materials and equipment scattered around. On the left, there are stacks of rebar in blue, orange, and yellow. In the center, there's a large orange excavator. To the right, there are several blue and white containers, a white van, and a yellow concrete mixer truck. The scene is busy and shows the early stages of a construction project.

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**Volgende bijeenkomsten:**

**Eerstvolgende bijeenkomst bij  
Stichting Pioneering (februari)**