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Sensor register:

Who is measuring what and where in the public space?

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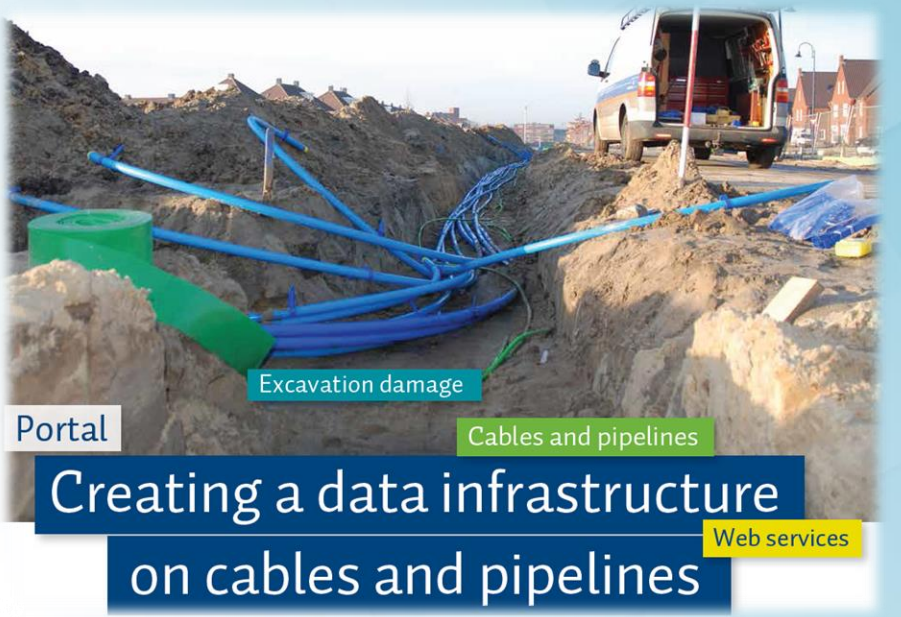
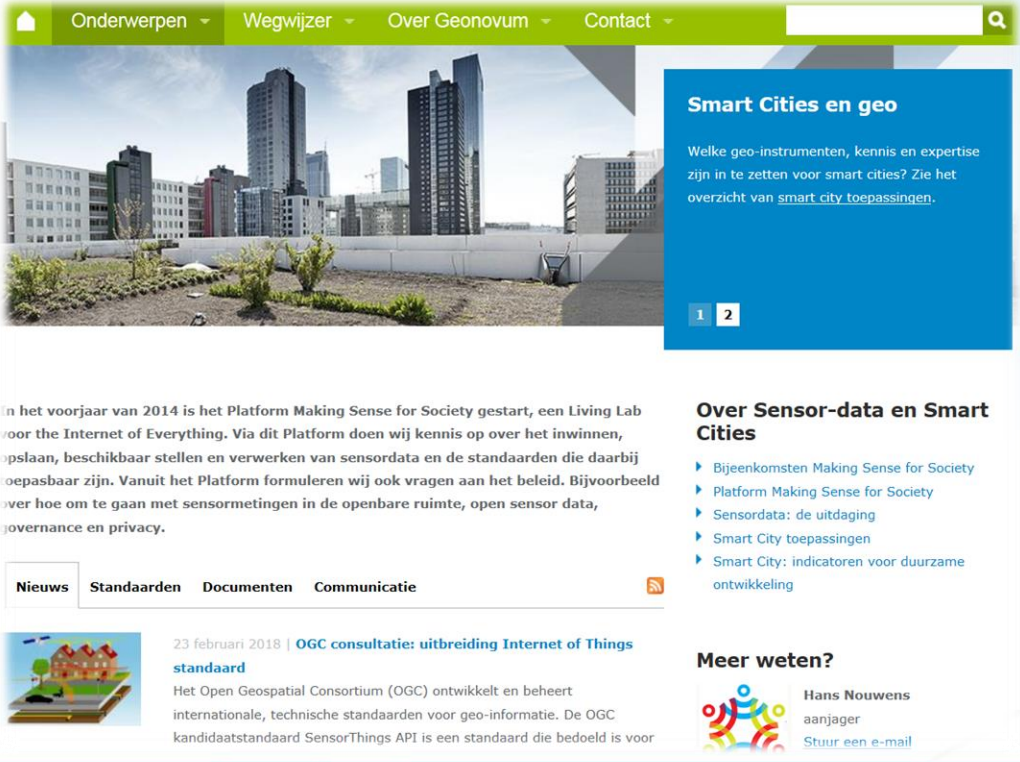
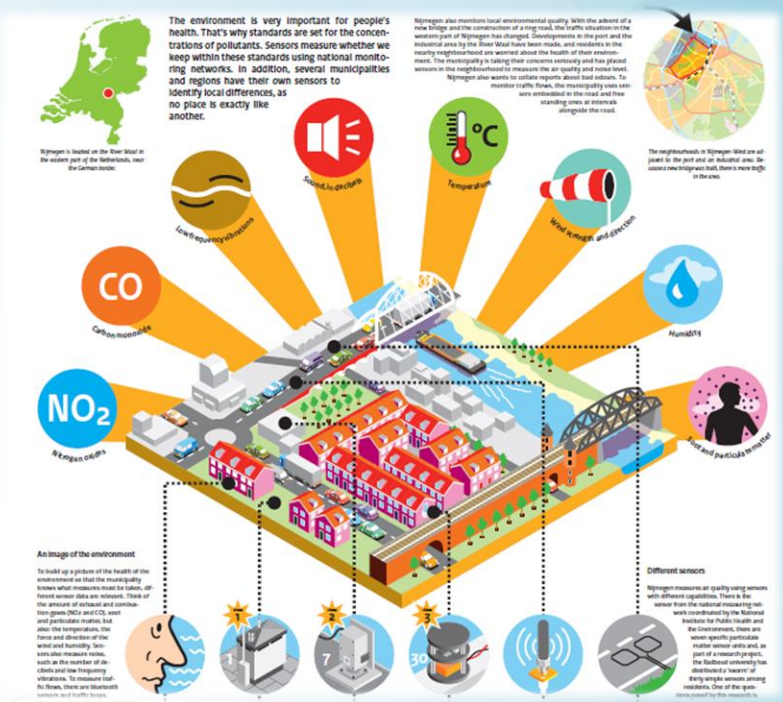


Legal certainty for all

Knowability for all

Building an ecosystem: Making sense for society (2017)





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A smart city knows about where

Everything that happens, happens somewhere!

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What we are working on

A. Sensor registration / sensor portal

B. Smart city information model

C. Sensor data platform

What do you want to know about a sensor if you see one in the surrounding?

And why??

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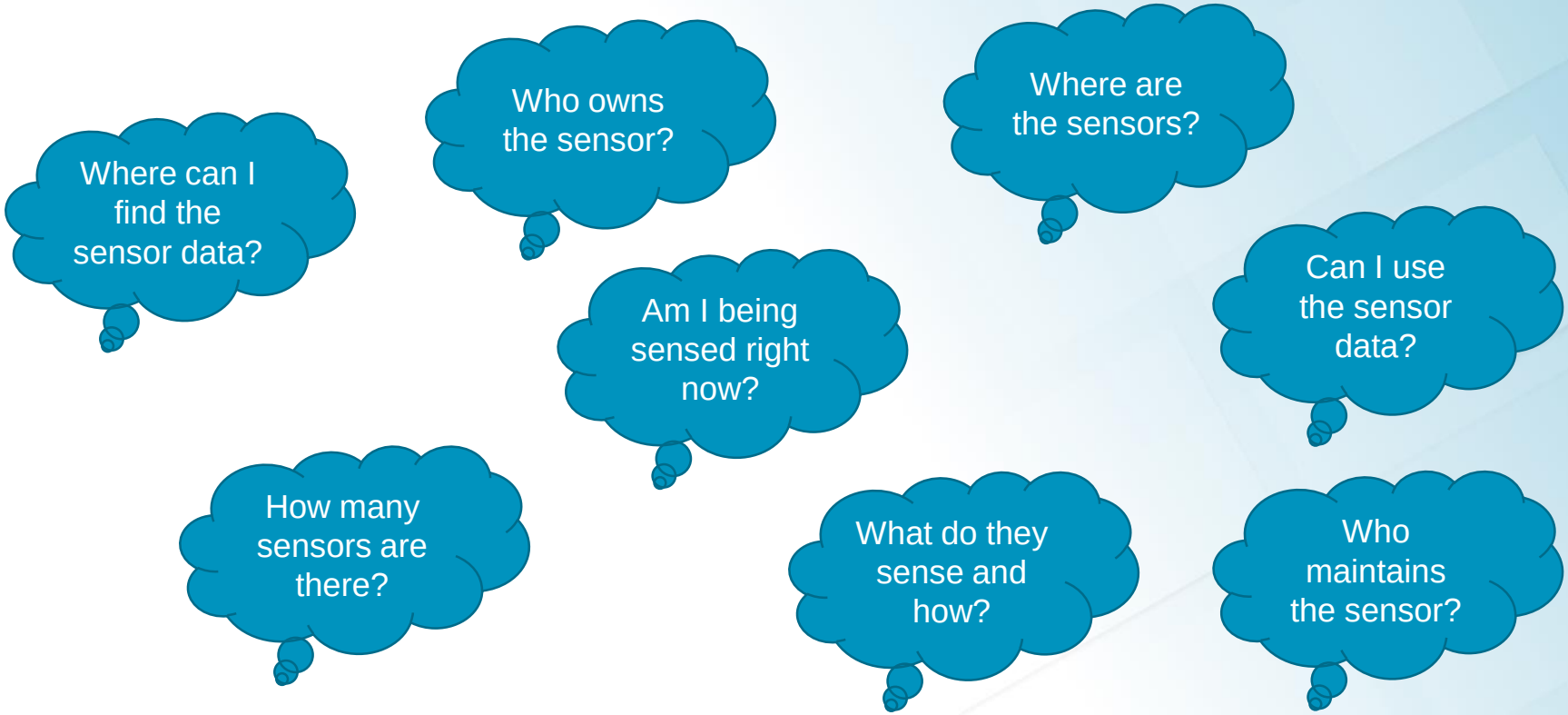
Sensor register

Why?



Sensor register

How?

Bèta version with Smart City of Eindhoven

The city council of Eindhoven decided that everyone who wants to place a sensor in public space is obliged to ask permission and to publish the sensor data as open data!

OPEN DATA PRINCIPLES

Beyond personal data!

Data residing in the public space (further on: data) belong to everyone. These data are an asset of the public. Data that are collected, generated or measured (for example by sensors that are placed in the public space) should be opened up in such way that everyone can make use of it for commercial and non-commercial purposes. While doing so, privacy and security aspects should be taken into consideration.

- Data may contain personal information. These data can therefore impact the private life of individuals. The rules specified in the Personal Data Protection Act are applicable here. These data may only be opened up after they have been processed (for example, by anonymization or aggregation) such that there are no privacy threats anymore.

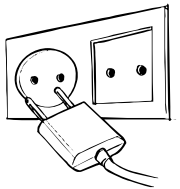
- Data which do bring privacy or security risks along may only be used according to the privacy legislation. Storage and processing of these data should be performed according to the existing legislation.

- Data that do not contain personal information (anymore) should be placed in such way that everyone can access these data in an equal manner (for example, through an Open Data portal). We call this

https://data.eindhoven.nl/explore/dataset/eindhoven-open-data-principes/information/?flg=nl

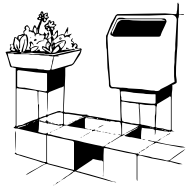
1 Privacy first

2 Open data & interfaces



3 Embrace open standards

4 Share where possible



5 Support modularity

6 Maintain security

7 Accept social responsibility

https://data.eindhoven.nl/explore/dataset/eindhoven-smart-society-iot-charter/information/?flg=nl

Sensor register

What?

Information about ‘what is being sensed where and by whom’

Accessible for everybody (companies, citizens, knowledge institutions and government)

Public and easy to find.

Uniform, nationwide and trustworthy

Create awareness of what’s happening where

Living Lab Eindhoven 27 maart 2018

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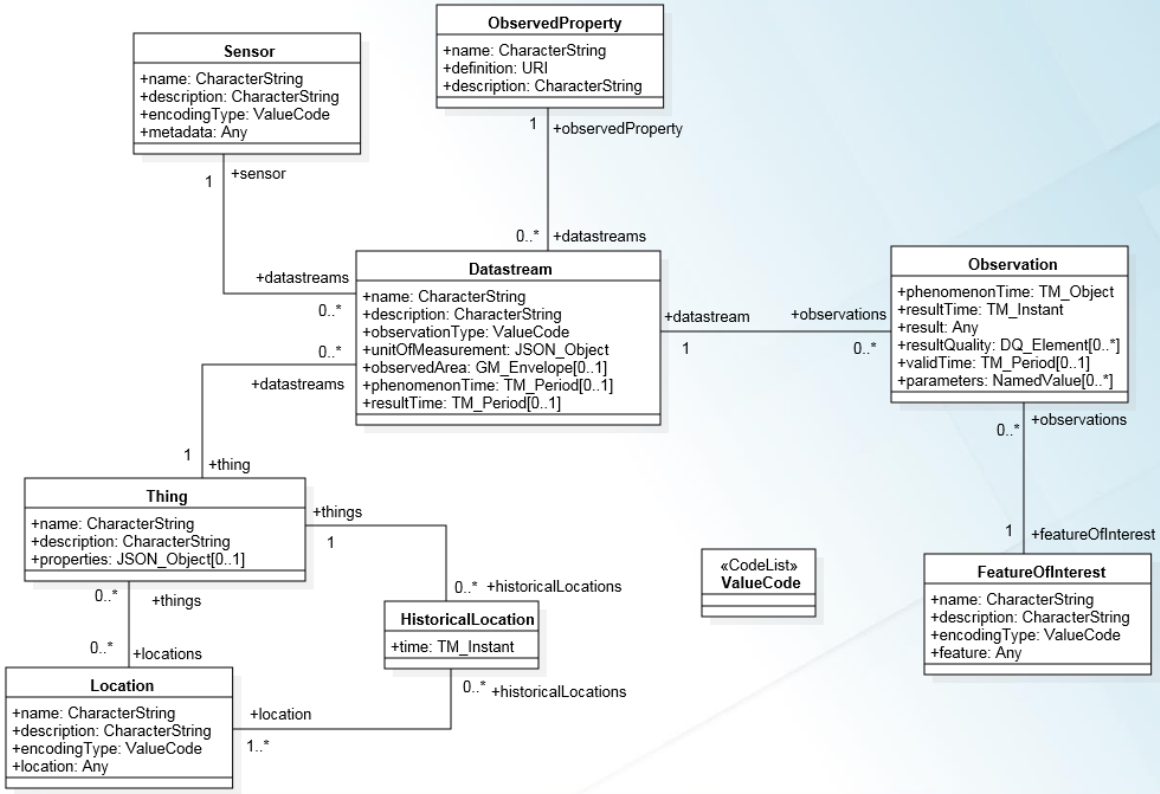
Datamodel

De *SensorThings API ?*



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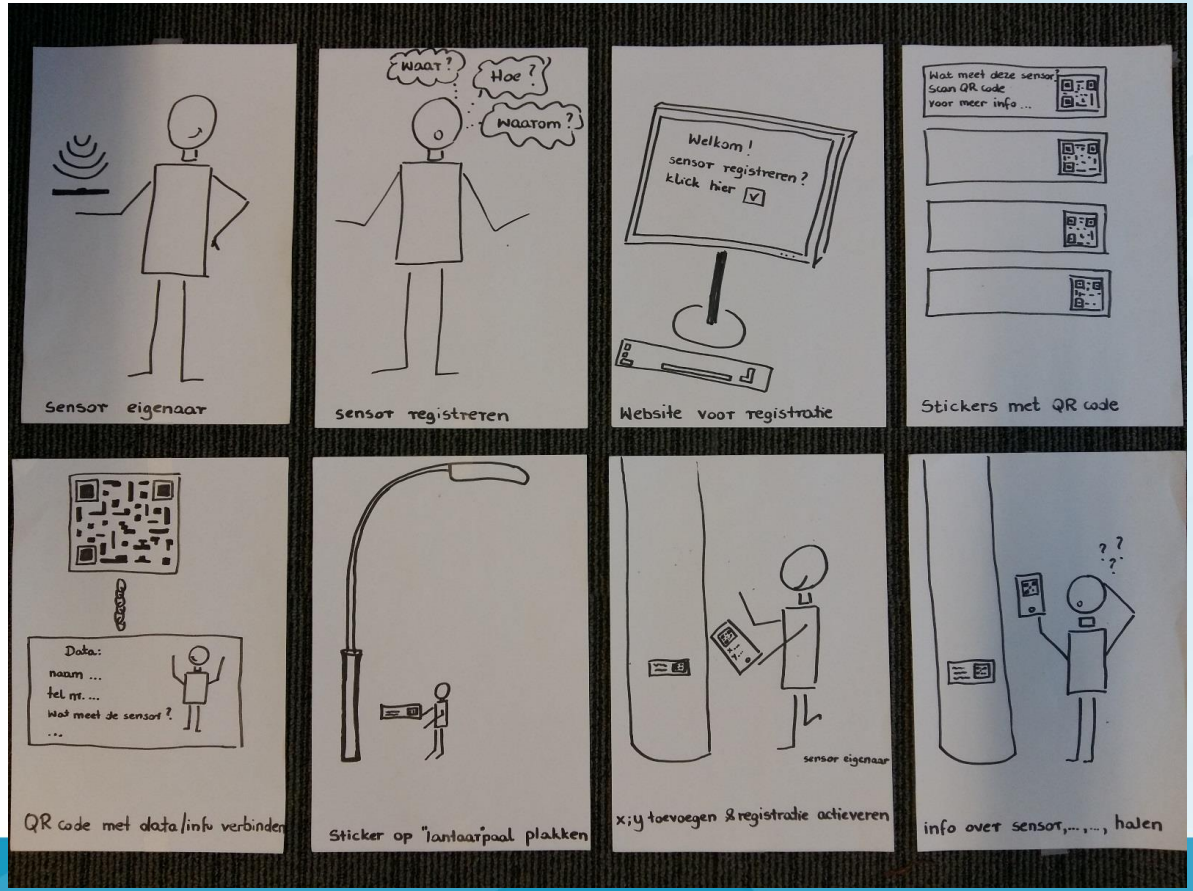
Project aanpak field research



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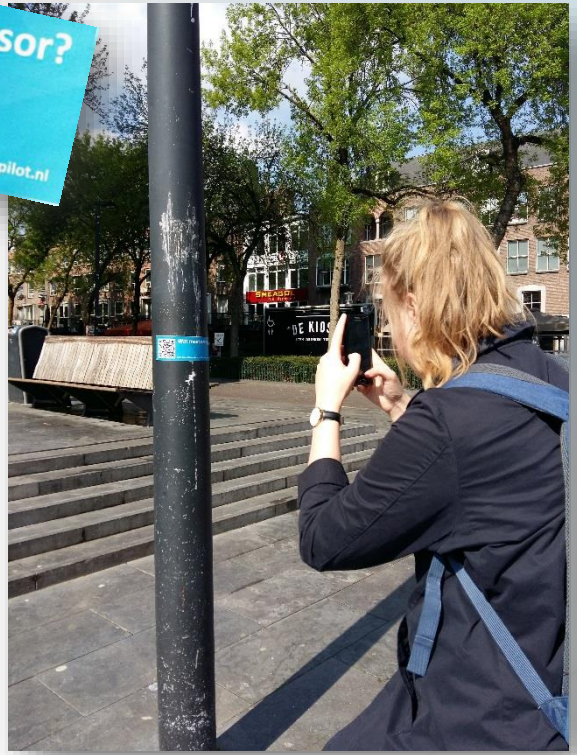
Results field research



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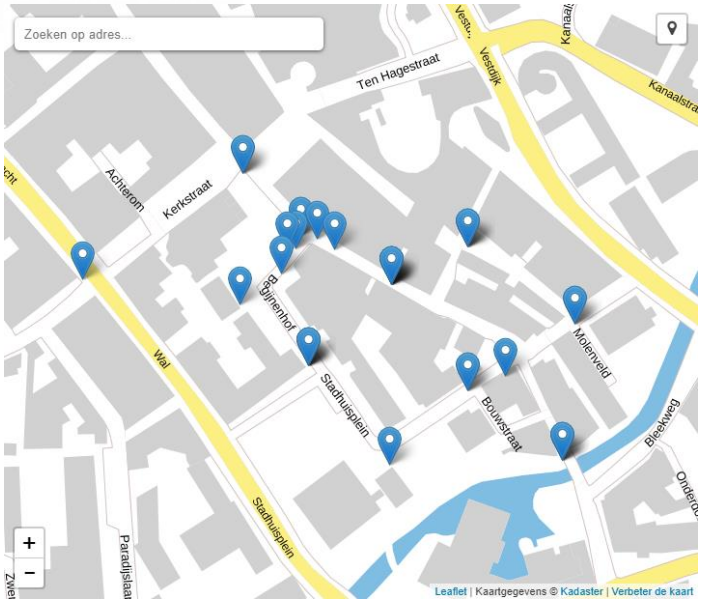
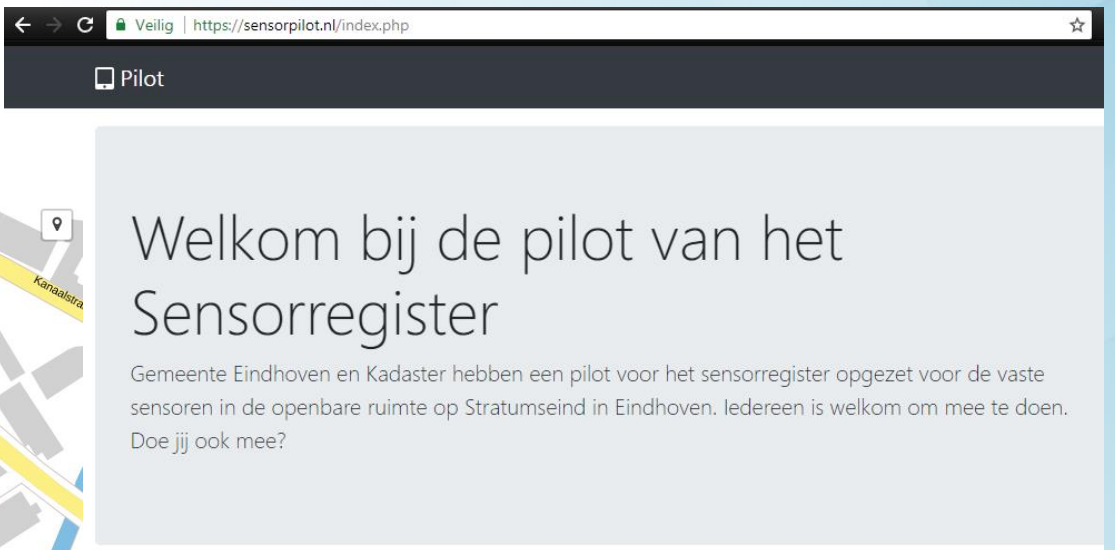
Creating a bèta version





Any questions?

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Sensor register:

workshop

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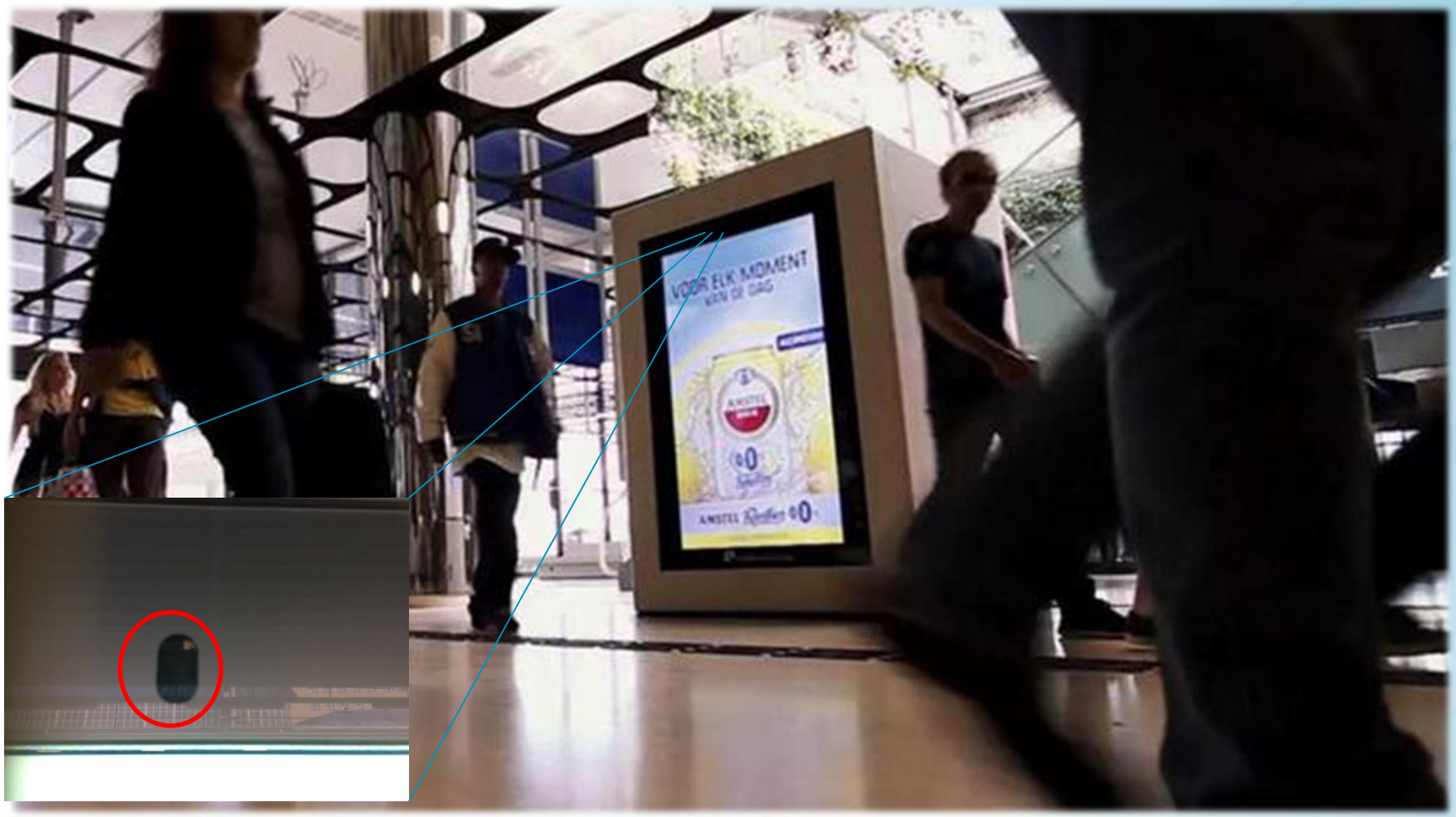
What do you think?

Am I allowed to place a sensor in the public space of Delft without permission?

What do you think?

Who knows or thinks that he or she is being sensed right now?



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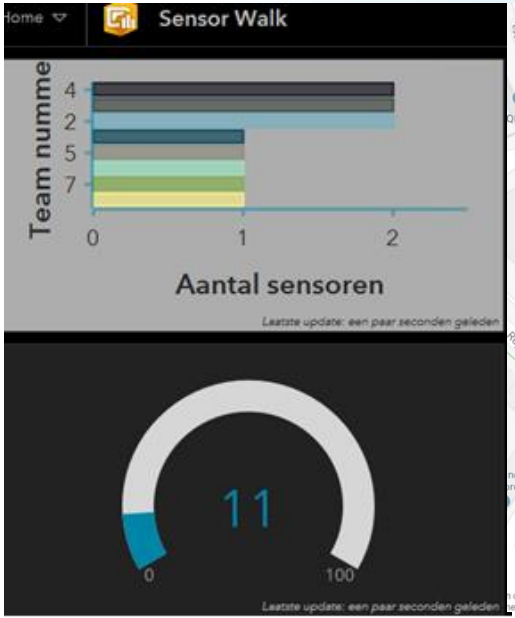
Sensor Walk

http://arcg.is/yqzj4



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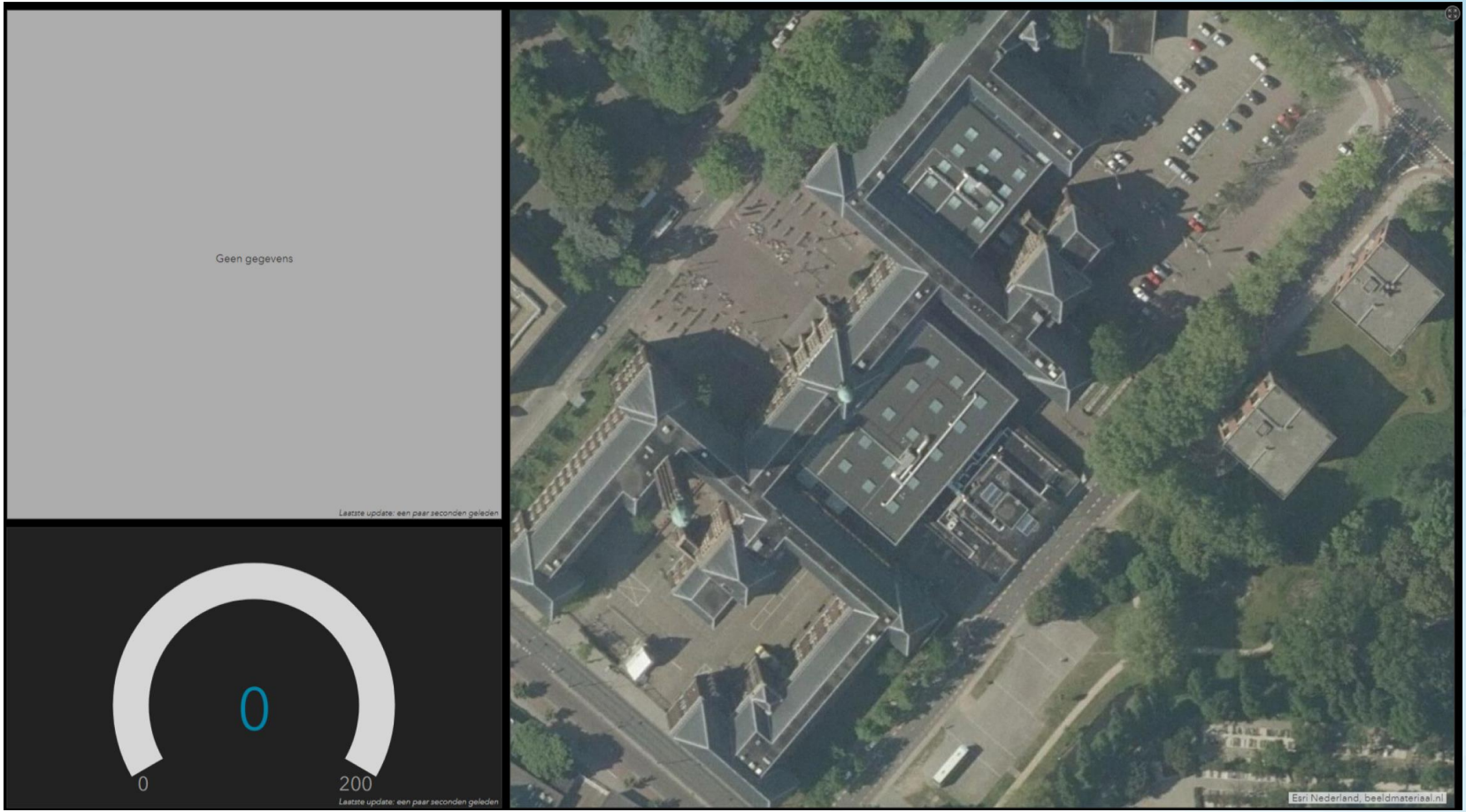
Geen gegevens
Laatste update: een paar seconden geleden
0
0
200
Laatste update: een paar seconden geleden
Esri Nederland, beeldmateriaal.nl

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Proces of registration

Request for help/brainstorm: how to trigger sensor owners to register and maintain their sensor information ...

Membership of the platform

Validation tool

Sensor itself

By law

Gamefication

Thank you!