

Data for Evidence-Based Policy-Making to Support Smart Sustainable Cities and Regions

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Role of Statistics Netherlands



The Hague



Heerlen

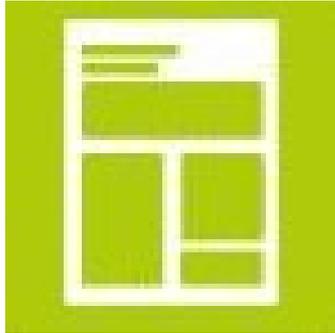


Bonaire

Statistics Netherlands (CBS) provides reliable statistical information and data to produce insight into social issues, thus supporting the public debate, policy development and decision-making while contributing to prosperity, well-being and democracy.



CBS Data Sources



Surveys



Registers



Big Data



Center for

Big Data Statistics

Towards Smart Statistics

Beta products in development



- Social media analysis, text mining, webscraping, data linkage, machine learning
- Visualisation
- Exploration of new sources



Social tensions indicator:
Gauging society

07/03/2019 16:39



Identifying population
movements using anonymised

27/02/2019

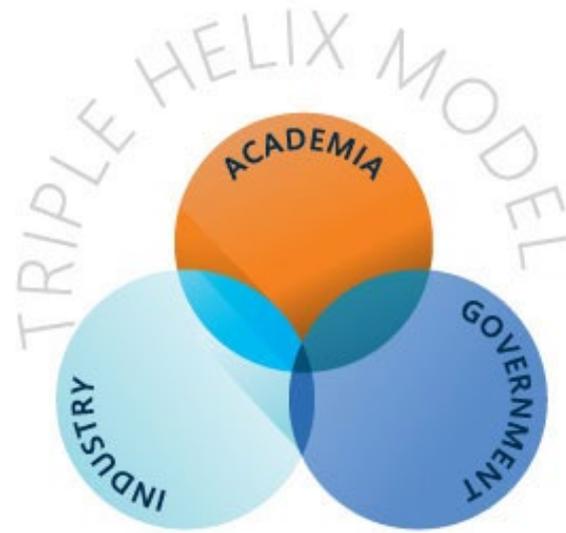


Automatically detect solar panels
with aerial photos

27/02/2019 11:42

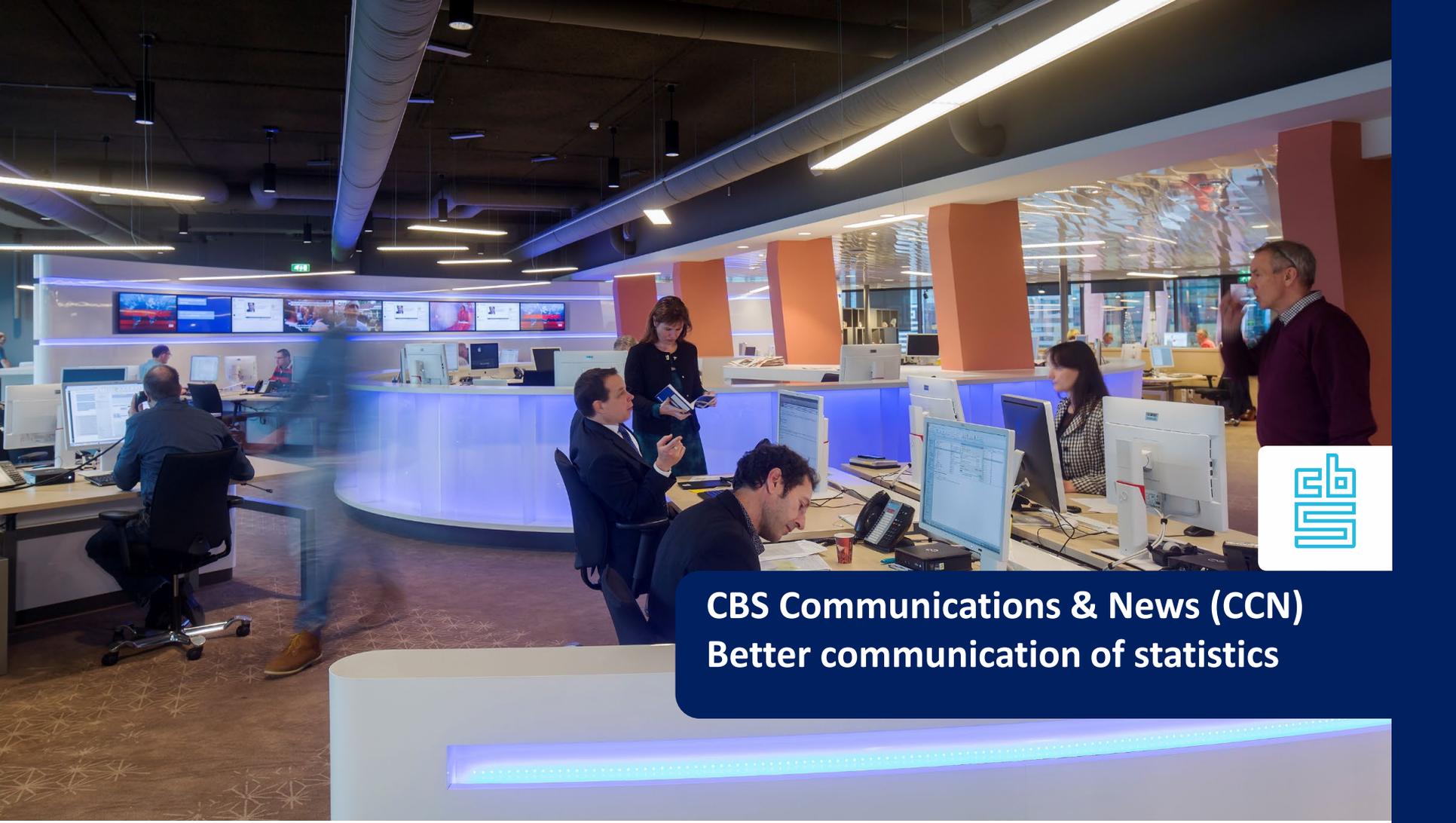


Scan me



Creation Triple Helix Data Ecosystem





CBS Communications & News (CCN)
Better communication of statistics

**If you have knowledge,
let others light their candles in it.**

Margaret Fuller



Academy

Learn all about data



Using data to create a smart(er) government on all levels



How do we tackle the energy transition?



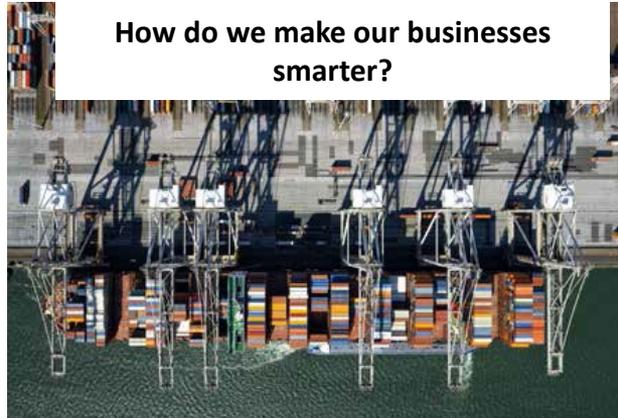
Can we predict migrant streams?



How do we match offer and demand in the labour market?



How do we make our businesses smarter?



How do we manage mobility and pollution?



Collaboration



Smart Sustainable Cities

Data driven, fact and evidence-based policy-making,
digitalisation, open data, Big Data, standardised data,
(inter-) national benchmarking

Cities often also lack data-expertise in:

- data science
- data analytics
- data integration
- data visualisation.....



.....this is why CBS established Urban Data Centers :

Connecting survey, register and Big Data with CBS data-expertise to create smart(er) and more sustainable cities

Den Haag

Eindhoven

Friesland

Groningen

Heerlen

Kempengemeenten

Leiden

Leidschendam-Voorburg

Limburg

Noord-Brabant

Schagen

Veenendaal

Venlo

Zwolle



Using data based on social media to measure intentions to move

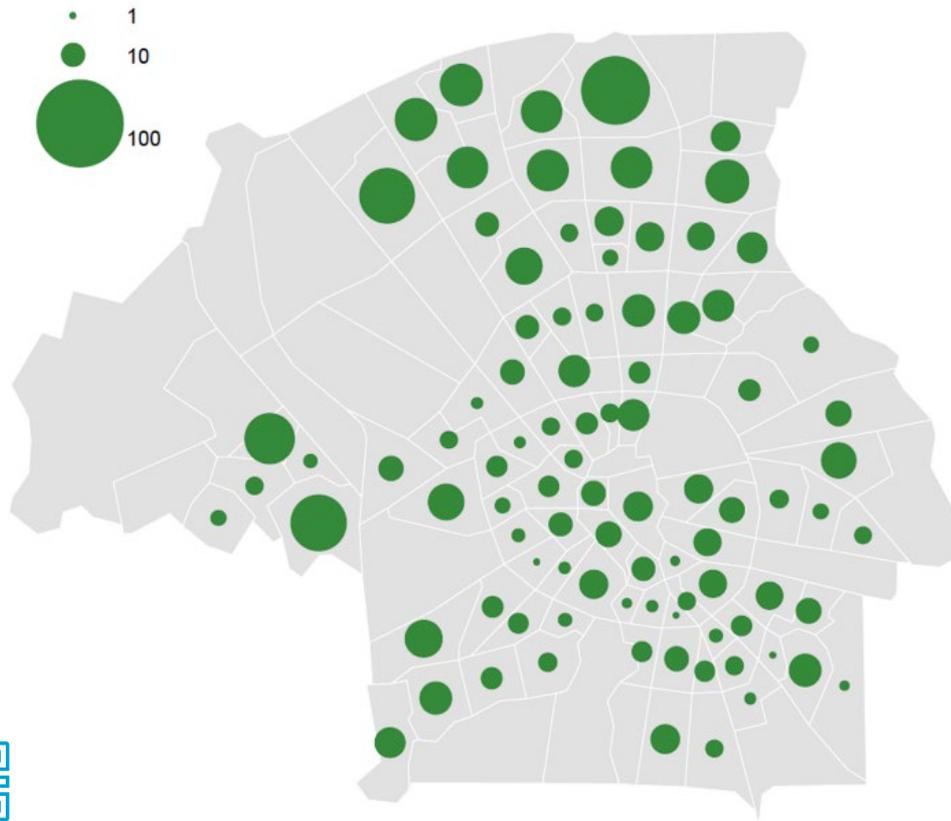


Center for

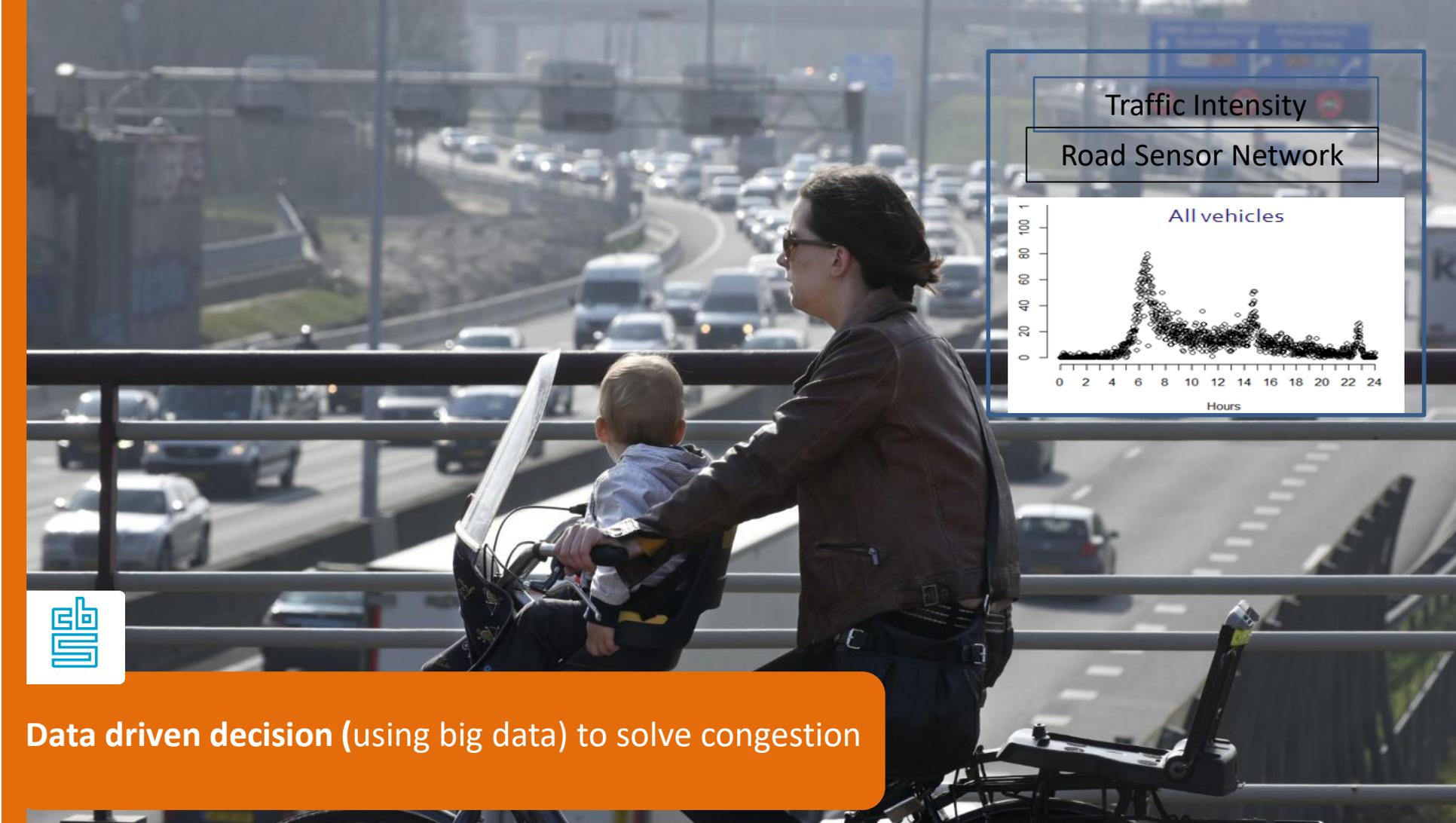
Big Data Statistics



Data driven decision to place solarpanels on the most suitable locations

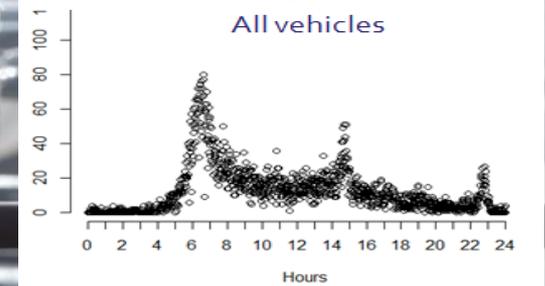


Data driven (investment) decision to install charging stations for electrical cars in cities



Traffic Intensity

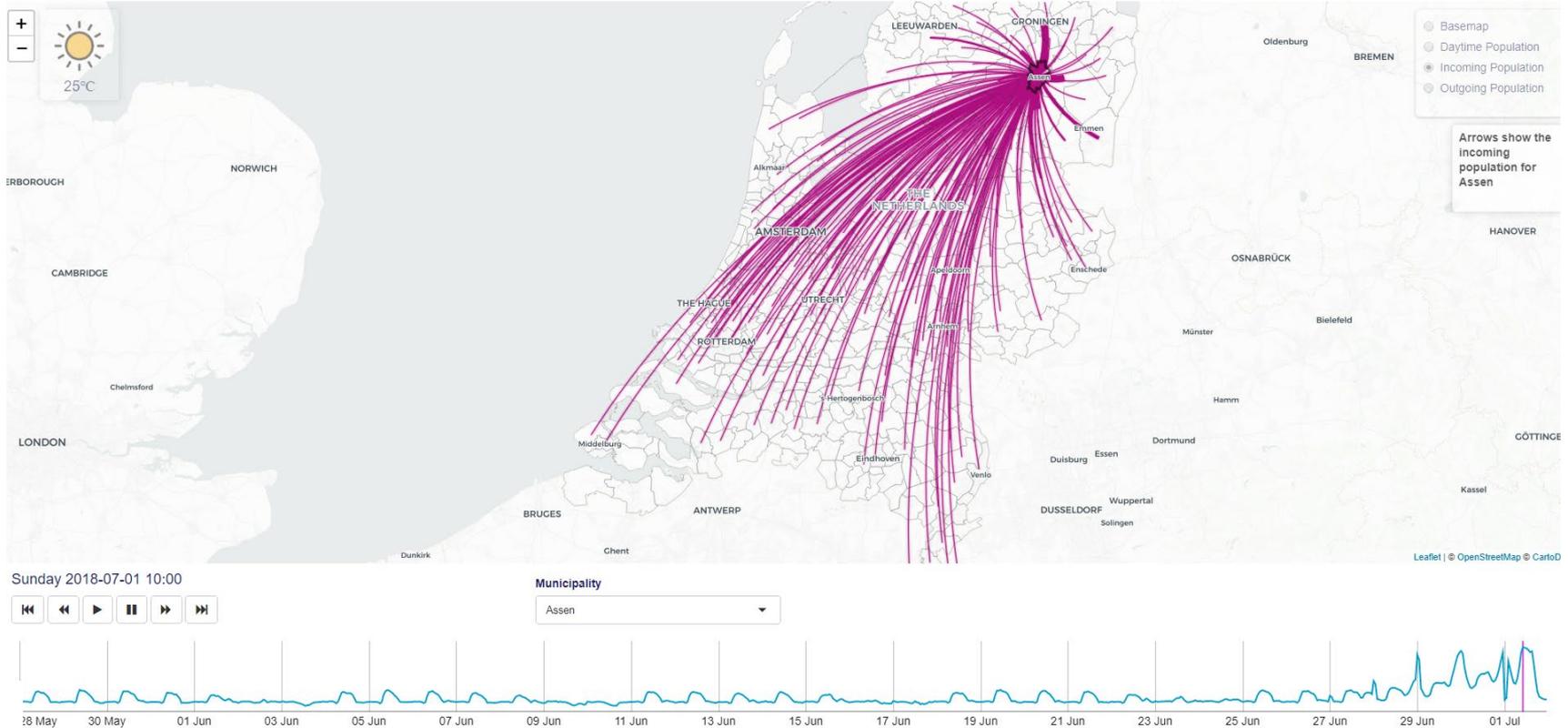
Road Sensor Network



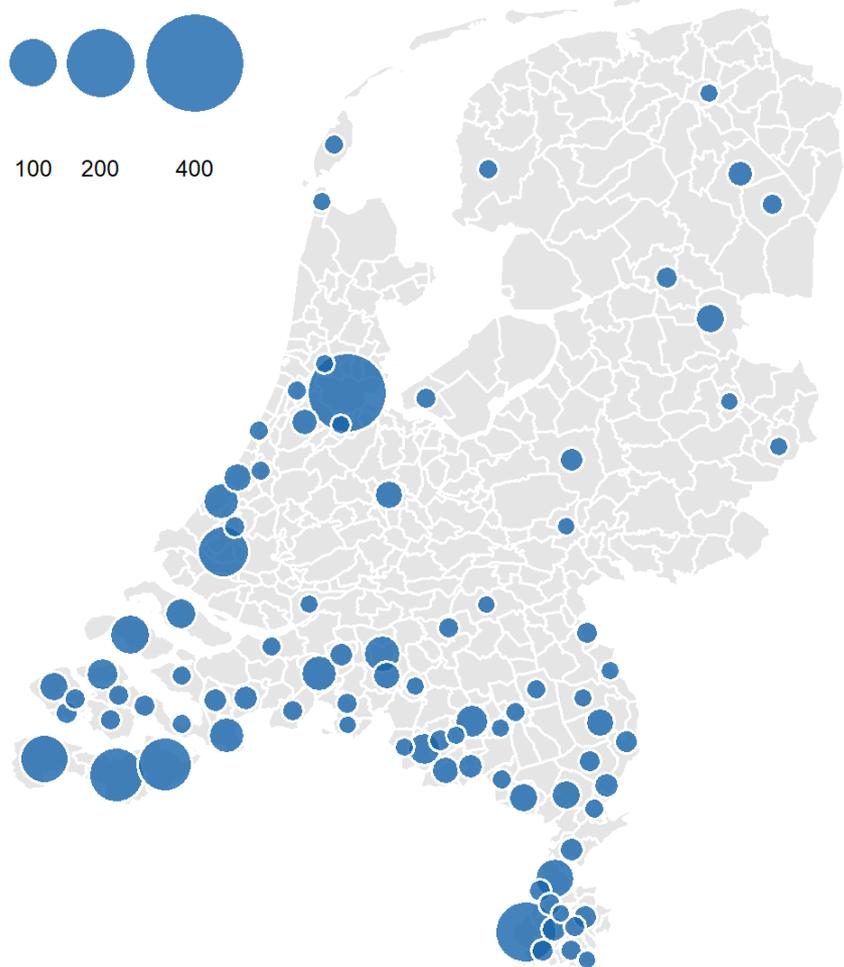
Data driven decision (using big data) to solve congestion

Better understanding 'movement of people' using mobile phone data

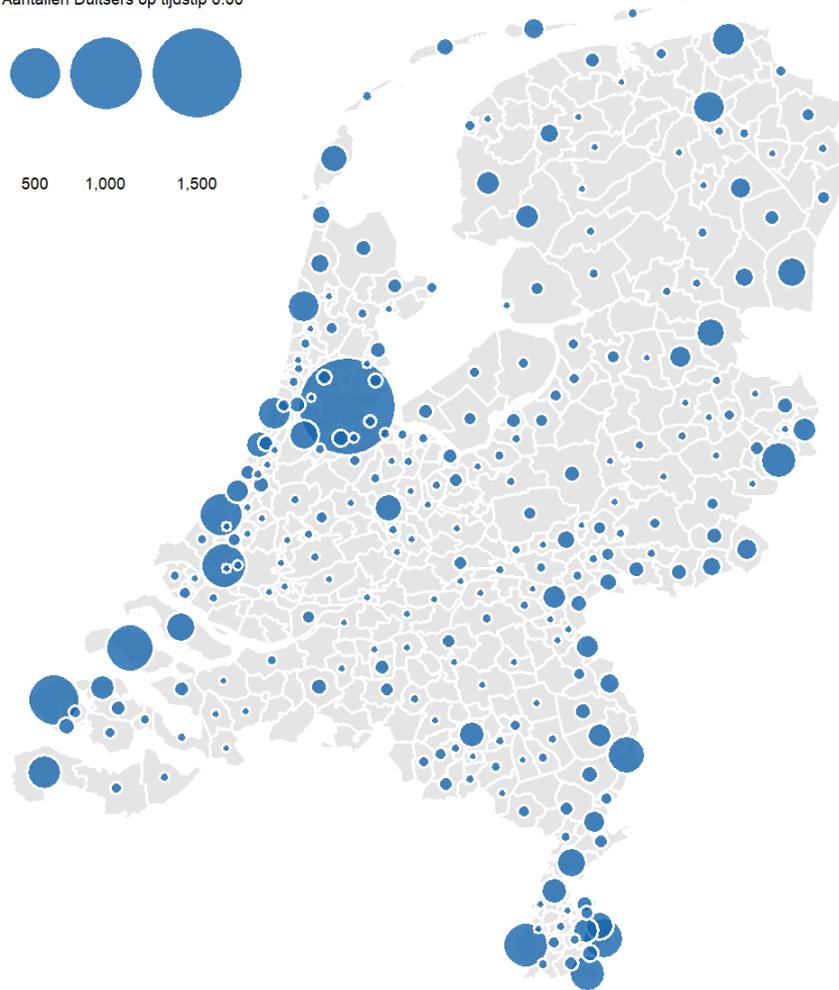
Dutch population



Aantallen Belgen op tijdstip 0:00



Aantallen Duitsers op tijdstip 0:00



Home

Verhaal

Prettig Wonen <

Per wijk

Bewoners

Resultaten <

Wijkprofiel

Download

Begrippen

Contact



Prettig wonen in Den Haag



Measuring SDG's in The Netherlands



Measuring the SDGs: an initial picture for the Netherlands



Kingdom of the Netherlands

United Nations High-Level
Political Forum on Sustainable
Development 2017

Report on the implementation of the Sustainable Development Goals



The Sustainable Development Goals: the situation for the Netherlands



**Start by doing what's necessary...
...then do what's possible...
...and suddenly you are doing the impossible!**

