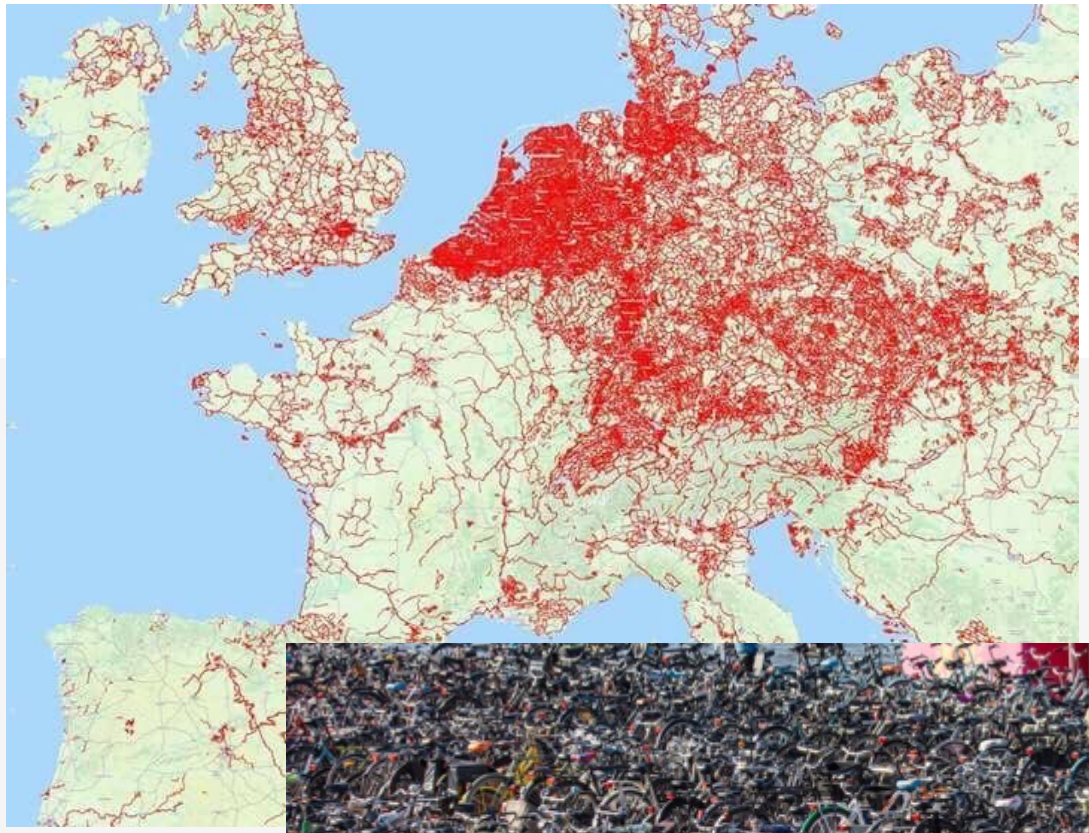
Bikes, bikes, bikes

cycling data in DATEX II

Bard de Vries
Information Architect of National Data Portal road trafficdata

Bike data



35.000 km cycle track

5.000 km roads with a bike lane

Bicycle use Amsterdam increased with 40% (over last 20 years)

32% of trips by bike (MobiliteitsPanel Nederland 2015)

Improved bike data highest priority for NDW partners

Bike data – developments

1. Bike counting data
2. Floating bike data

Available via

National Access Point MMTIS

Application and usage

Local goverments/ road authorities:

- Traffic models
- Policy making
- Monitoring (policy)
- Development new routes
- Bike parking space
- Safety measures (increase safety)
- Capacity bike lanes
- Prioritize projects
- Increase bicycle use
- Connect modalities

- Flow
- Routes
- Speed
- Origin – destination
- Model split (normal bike, E-bike, speed pedelec, cargo bike), delays
- Location (parking),
- Time / duration (parking),
- Target groups (parking/ bike rental)
- Delay/waiting cross sections

1) Bike counting data

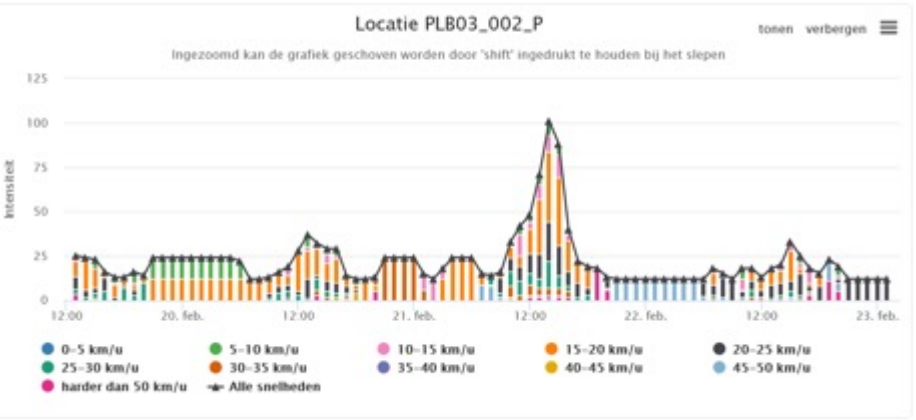
Loops, road tubes, radars system, cameras, manual counting.

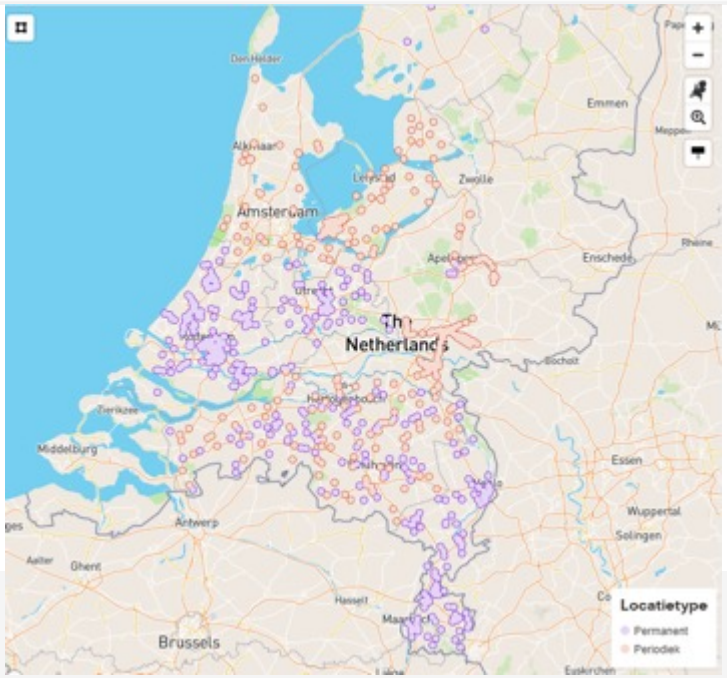
Periodic and location based

Traffic models and policy local governments

- Standard: **DATEX II** profile (automatic upload in system)
- Output: CSV, Excel or XML

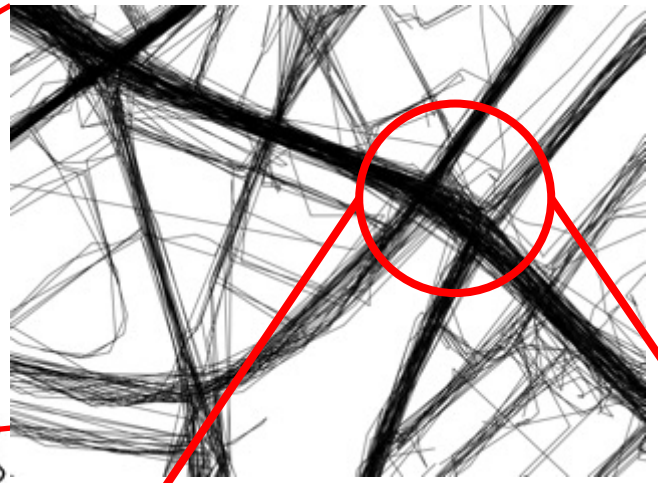
Bike counting data historical dataset

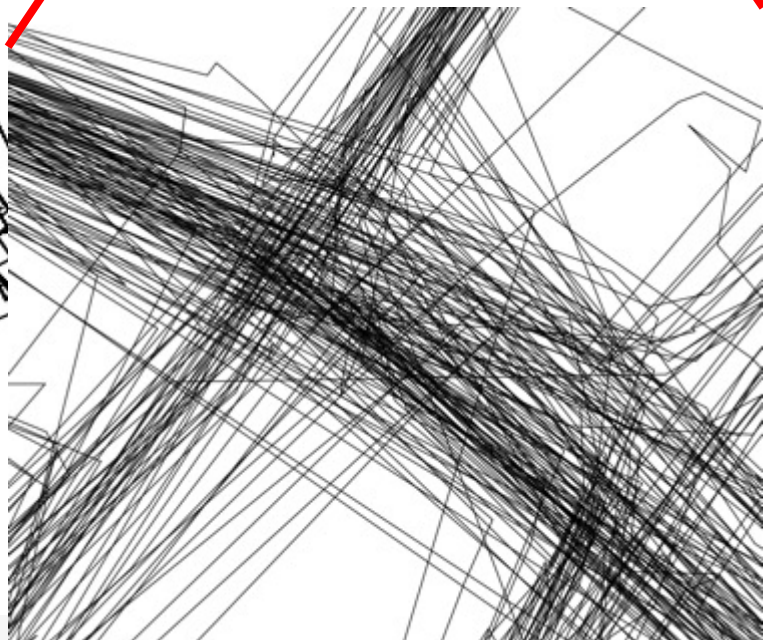




- **Extended version of the vehicle dataset**
- **TrafficFlow**
- **Several classifications:**
  - Speed-category
  - Bike-width
  - Propulsion-type
  - (slow) vehicle classification
- **Currently available:**
  - 6 roadoperators up to date permanent measurement locations (soon 9)
  - 6 roadoperators up to date or historical periodic measurement locations (soon 8)

2) Floating bike data (non DATEX II)





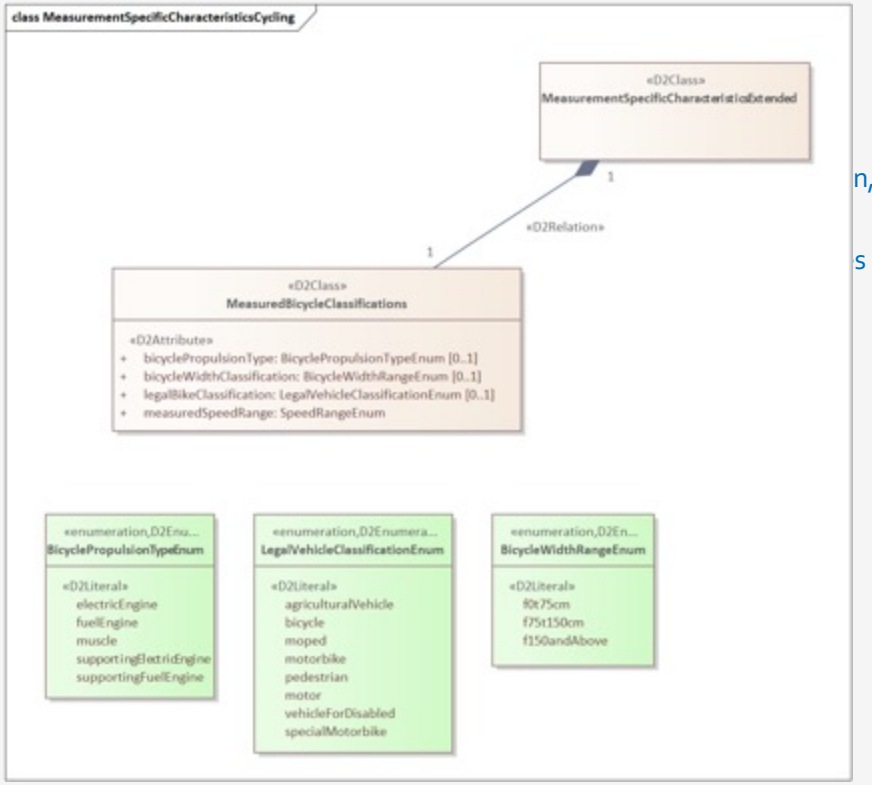
30 october – 2 november 2020, Den Haag eo

>4000 trips in 4 days

Where were you counting?

2 extensions

Bike count data:



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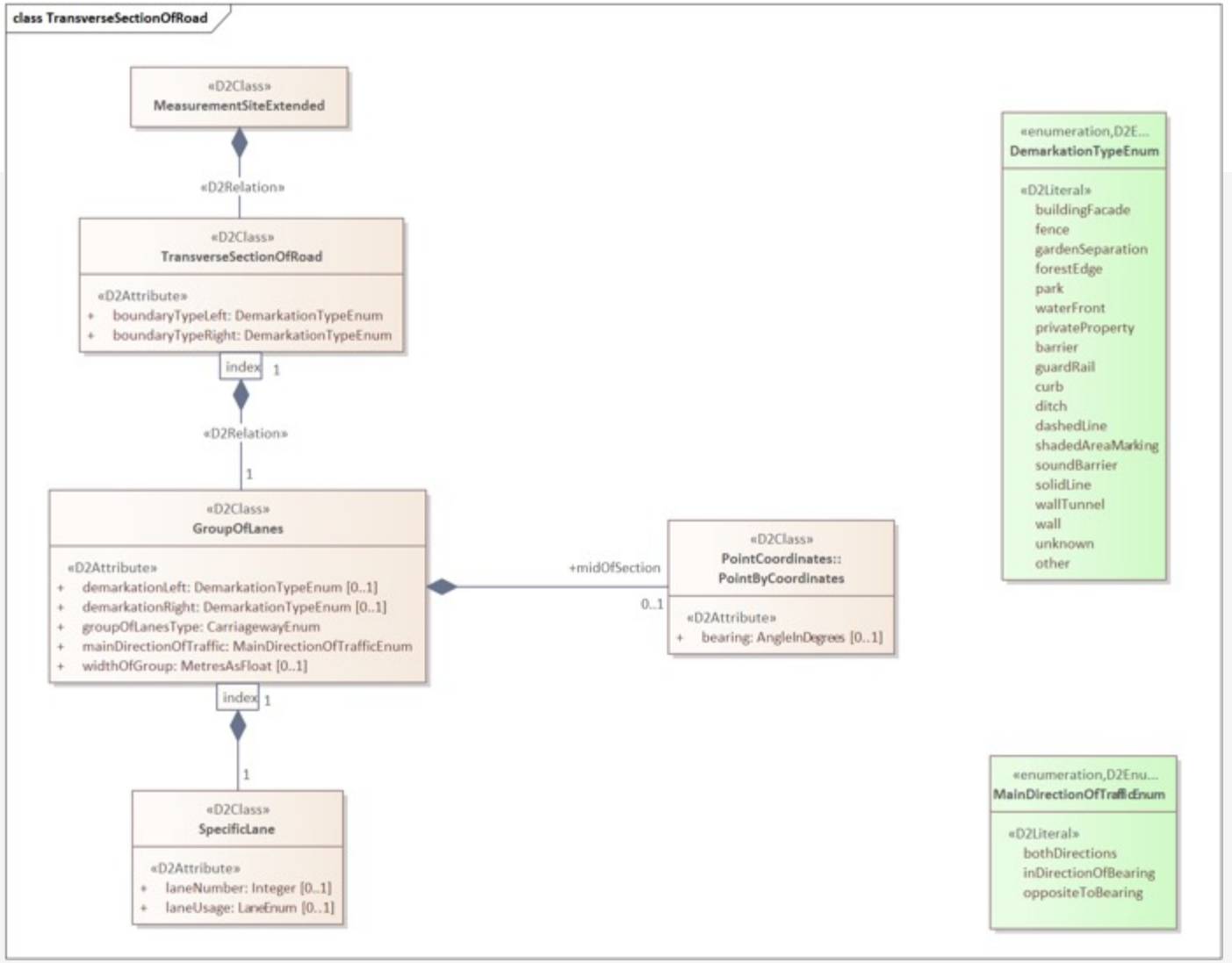

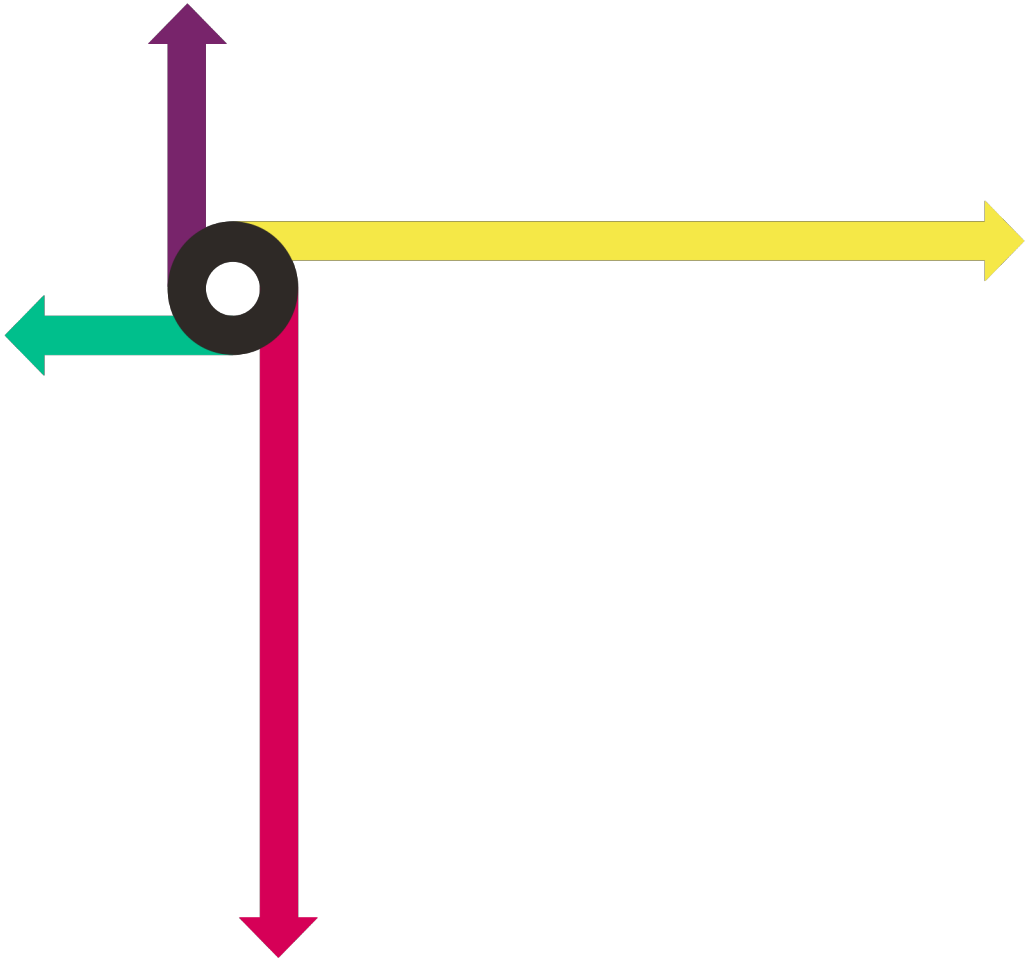

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