

Data capture and publishing

Municipal Garbage collection

Data usage

- First order benefits
- Second order benefits

AffaldVarme Aarhus

Case: Garbage collection



- 90.000 collections in 14 days
- All bins are tagged, and registered on the truck
- All collections are registered with garbage type, timestamp, weight and coordinates

But why?

First order benefits.



- Control/QA of the garbage collectors
- Improved customer service with real time data
- Analysis and planning – short and long term.

Second order benefits

- Internally
- Customers
- Research
- Society
- Citizens
- Companies
- Public organisations

How to publish

- Data dump, static
- Online access, real time

Publishing of
sensitive data

Anonymisation

Blurring of coordinates
– rounding

Fast and easy



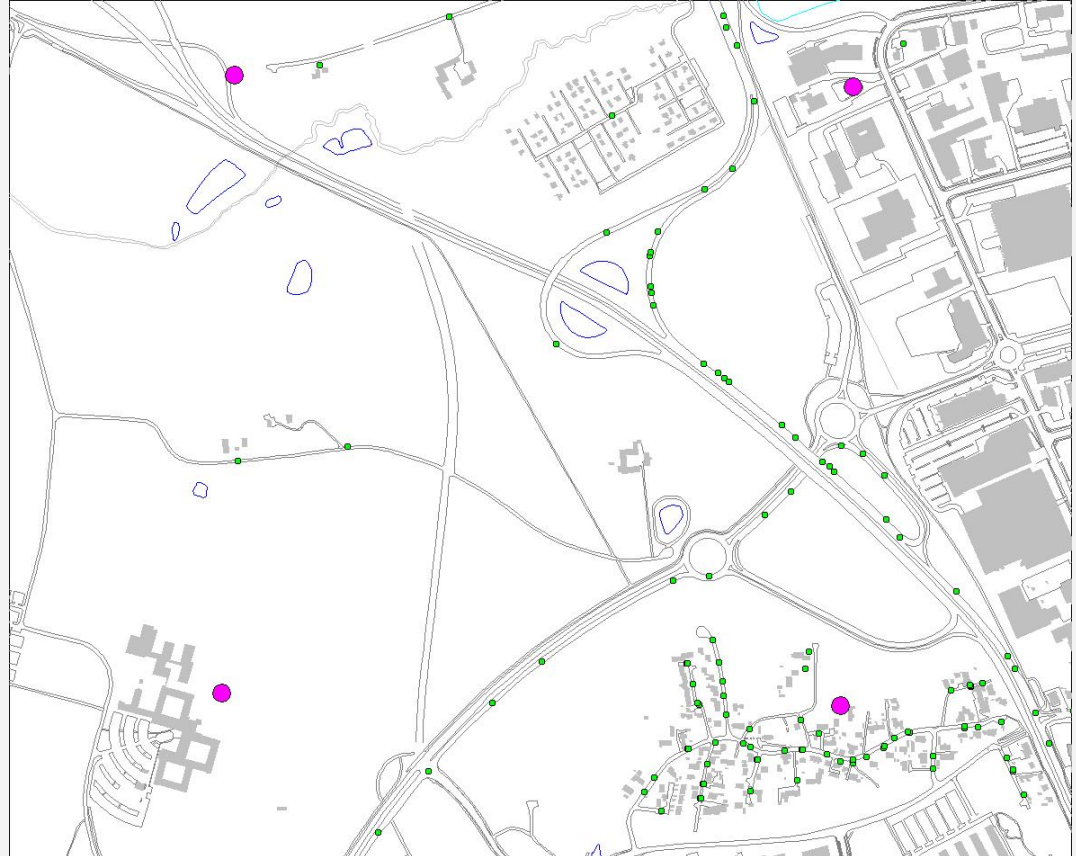
Hig data
density

Needlessly bad
resolution



Low data
density

Bad
anonymisation



Considerations

- Cost
 - Machine
 - Man
- Sensitivity
 - Customers
 - Competition
- Quality
 - Validity
 - Actuality
 - Formats

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Thomas Vinther Andersen
It project manager
+45 4185 9711
tvan@aarhus.dk

AffaldVarme Aarhus
Center for Miljø og Energi
Teknik og Miljø
Aarhus Kommune

www.affaldvarme.dk