

Use of registers for energy statistics in the Netherlands

Focus on data about companies

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30 March 2023

Outline

1. Data collection
2. Data processing system
3. Business classification
4. Output examples



0. The basics: a legal framework

National level

- Statistics Netherlands act and Data Acquisition Decree
- Framework act on autonomous agencies
- GDPR-national implementation: personal data protection act

European level

- European Statistical Law (Regulation 223/2009)
- General Data Protection Regulation (EU 2016/679)
- European Statistics Code of Practice, Fundamental Principles of Official Statistics



1. Data collection energy statistics

- Currently we use about 80 data sources
- About 20 are registers containing microdata ($>10^6$)
- For the critical ones we make written agreements
- The most relevant are:
 - Connections to public grids of gas and electricity (CAR)
 - Installed capacity solar panels (CERES)
 - Certified (for granting) renewable energy (CertiQ)
 - Investment and operating grants (SDE)
 - Construction destination, energy labels, feed-in of green gas, biofuels



2. Data Processing Systems



Microdata



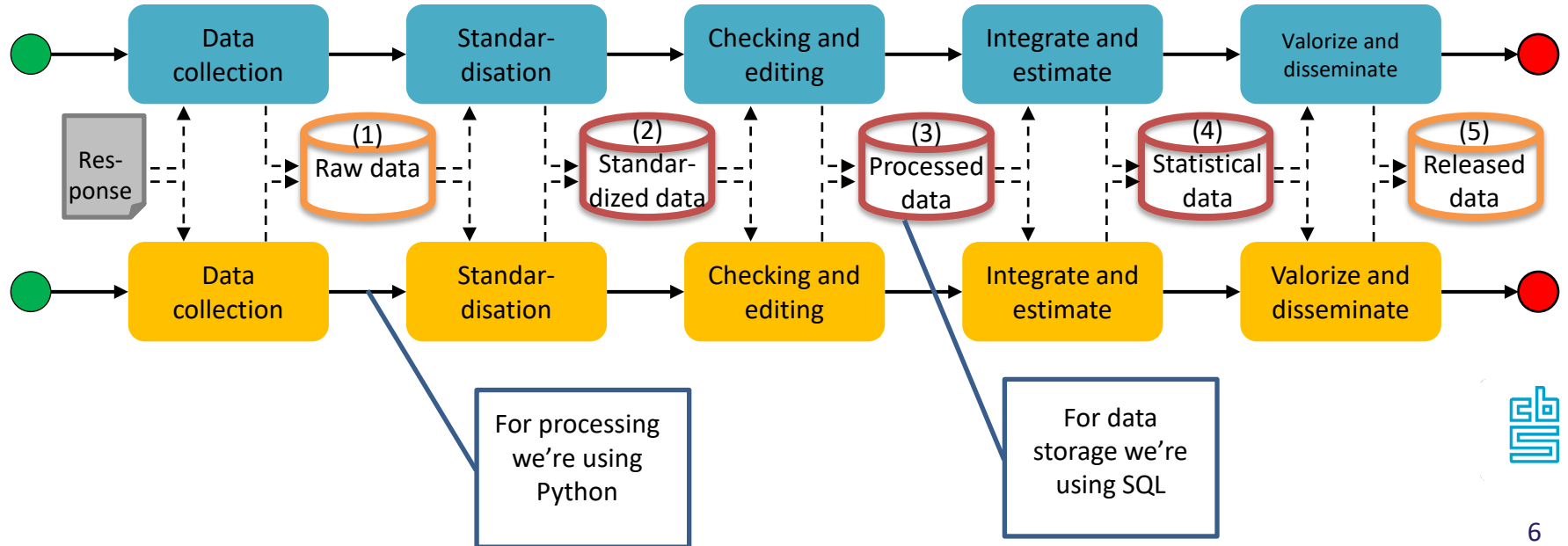
Methodology



Results



2. Coherent use of standard interfaces



3. Business consumption by NACE

1. Link grid connections to the Business Register (ABR)

- ABR is constructed around ‘business id’s’: quality of addresses is limited, not actively maintained, can be addresses of “branche offices”/other buildings
- Only 70% of business addresses match: multiple connections and/or companies per address

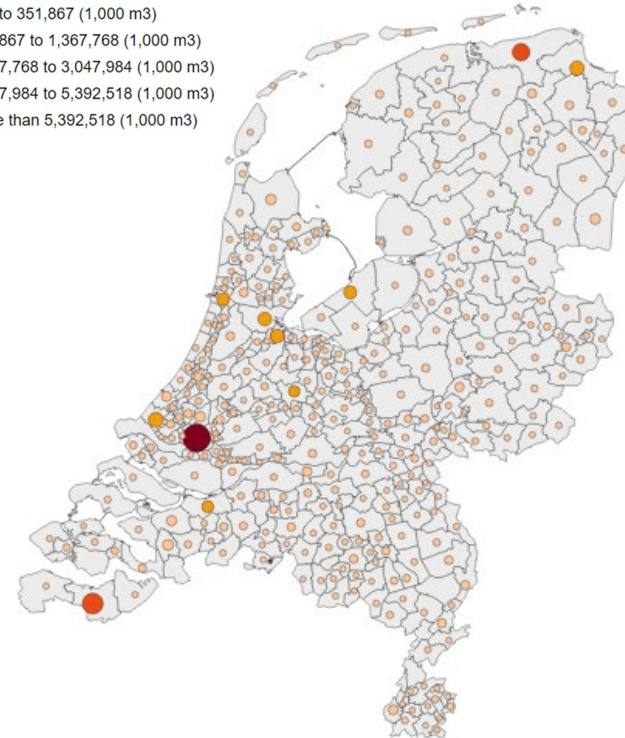
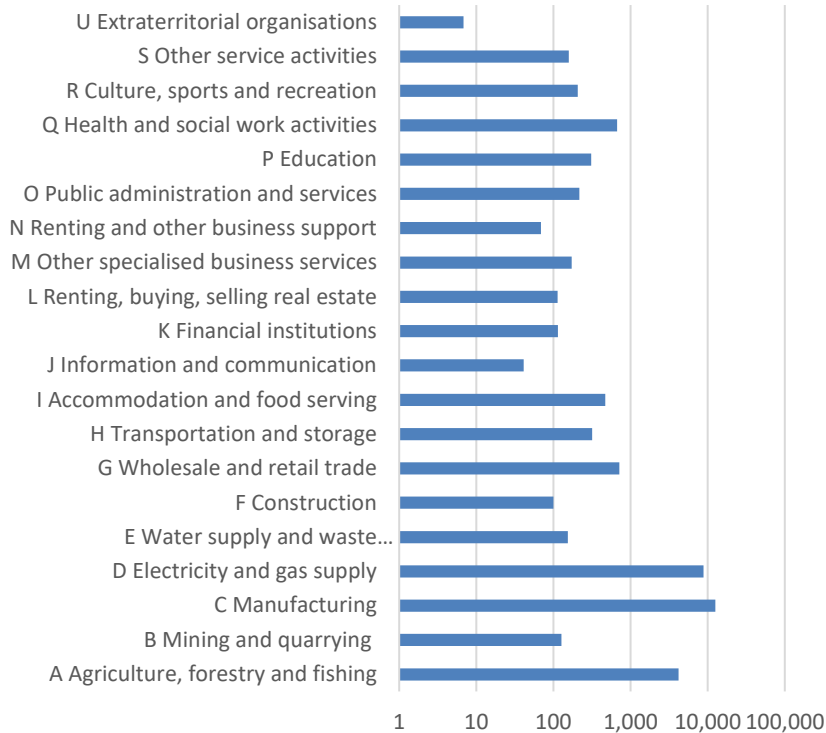
2. Use more data sources for NACE assignment

- Retail trade, construction destination, branche registers
- Final result: Assignment NACE >95% valid



4. Main output: national and local datasets

Natural gas (mln m3)



4. Commissioned output

- Energy regions which were agreed upon for reaching the climate targets to monitor their goals
- Ministry of Finance: data by energy tax bands in order to estimate tax revenue
- The Netherlands Enterprise Agency (RVO): to check how many companies need to follow some energy saving rules





Facts that matter