



Federal Office
of Economics
and Export Control
BAFA

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JODI Gas – Gas Data Collection(s) in Germany

Jan Benduhn

Federal Office of Economics and Export Control

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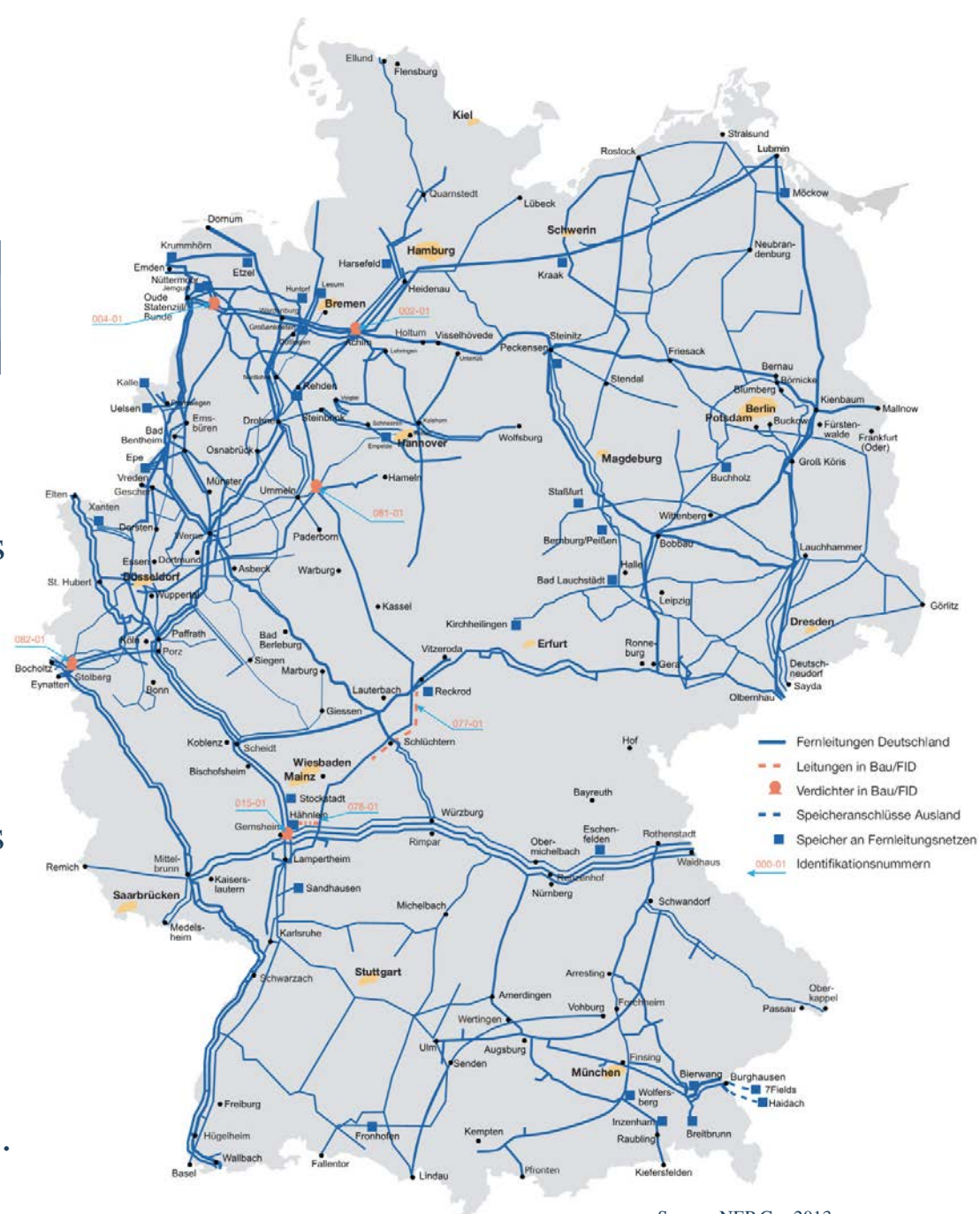
German Transmission Grid

Facts on German Gas Market

(2012):

- 5 Gas Exploration Companies
- 17 Transmission System Operators
- ~ 700 Distribution System Operators
- ~ 60 Gas Trading Companies
- 23 Gas Storage Companies
- ~ 850 regional/local distributors

- ~ 3.150 PJ Gross Inland Cons.
- ~ 22 % of TPES



Energy Statistics Act

- Most important legislation for surveying energy data in Germany
- Responsibility: Federal Statistical Office and State Statistical Offices of the 16 Länder
- In general State Statistical Offices of the Länder are responsible for the data collection – Data is processed and forwarded to the Federal Statistical Office
- Statistic comprises data collections for Electricity, Gas, Heat, Coal, Renewables and the yearly energy use in the industry



Energy Statistics Act – Natural Gas Data Collection

- Monthly, partial survey with biggest companies (exploration and import/trading companies) and yearly total population survey
- Surveyed data points in the monthly statistic:
 - Extraction/ Production
 - Inland Purchases
 - Imports by origin
 - Exports by destination
 - Own use
 - Storage balance
 - Deliveries (Distributors, Power Generation, Heat Generation, Industry, Households, Other)

Energy Statistics Act – Issues

Issue: Timeliness

- Since 2012 for Natural Gas monthly data collection: Länder no longer responsible, **Central data collection** from the Federal Statistical Office – more timely data, still M-1 remains challenging!

Issue: Stock Levels

- Currently, there are no administrative/statistical surveys on site-based storage levels; however, data on deliveries to, and withdrawals from storage sites are collected

Issue: Power Generation

- Data available but data quality insufficient (for sells to distributors respondents do not know if gas is finally input to power generation) -> Monthly electricity data! M-1?

Presently:

- Amendment of the Energy Statistic Act and the Federal Statistic Act
 - Monitoring of the Energiewende, more flexibility in the legislation, easier use of administration data (reduce reporting burden), Gas: short-term statistics on physical flow



Physical Flow Data Collection

- Project started in 2008 at the Federal Network Agency in close cooperation with DVGW (German Technical and Scientific Association for Gas and Water)
- Background: Security of Supply - EU Regulation Nr. 67/2004 and Nr. 994/2010
- 17 TSO`s reporting hourly data on physical flows in their network at cross-border points, between market areas and at production and storage sites
- Gas storage companies reporting storage levels on a daily basis
- Since March 2013 data transfer and database functional – at the moment data checking and quality control
- Data is available from October 2012 on

Physical Flow Data Collection - Issues

Issue: Power Generation

- At the moment there is no possibility to identify the gas volumes delivered to power generation
- Might be included in future

Issue: Own use and losses in the natural gas industry

- No data on consumption in gas extraction and pipeline system available

Issue: Conversion to Cubic Meters

- Data is collected in energy units (kWh)
- Conversion to Cubic Meter with standard conversion factor of 10,8 kWh/m³



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Contact: **Jan Benduhn**
Tel.: **+49(6196)908-237**
Mail: jan.benduhn@bafa.bund.de
www.bafa.de