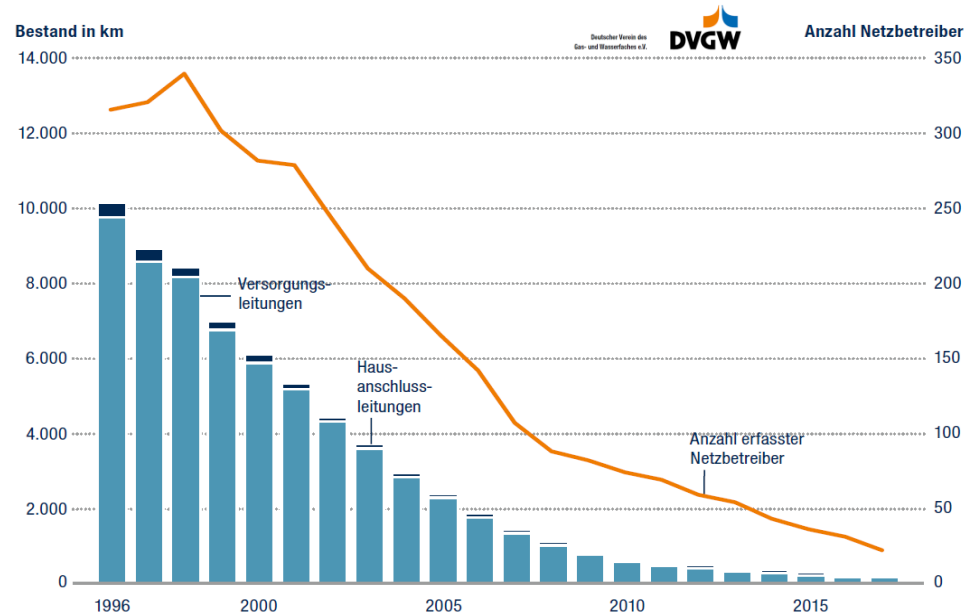


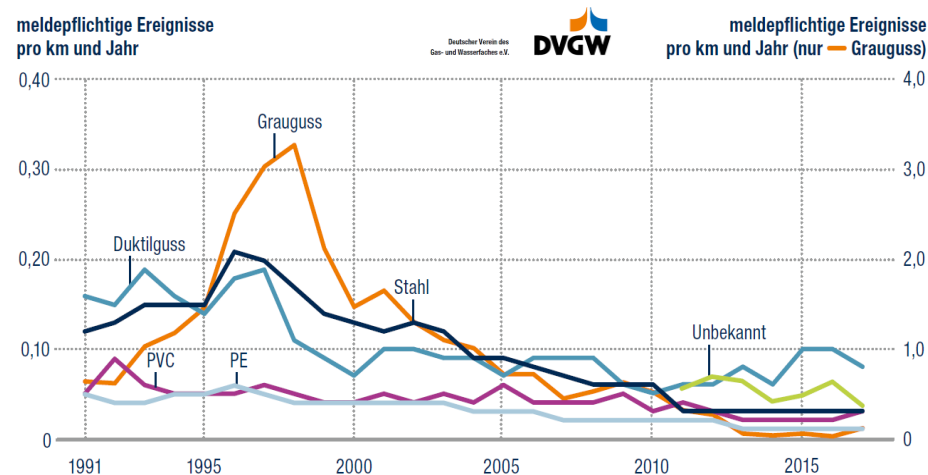
**Let's Meet! - Pathways to
methane emissions
reduction**

Eurogas – 26.05.2020

DUE TO AN EXTENSIVE INVESTMENT PROGRAM AND THE USE OF NEW MATERIALS AND PROCESSES THE AMOUNT OF LEAKS WERE REDUCED IN GERMANY BY 90 % SINCE 1990



The **exchange program** for cast iron and older steel pipes was triggered by a **safety** discussion. Not only in Germany. As result plastic pipes made out of polyethylene and PVC are widely used in the European DSO grids. In Germany **leaks were reduced by 90 % in the last 30 years**. To continue and increase the work **regulators and ministries have to support the DSO**. The **implementation of new measurement technologies**, higher frequency of inspection and especially the more intense control and coordination of third parties working in the vicinity of the grid have to be accepted into the **tariff design**.



Ongoing best practice exchanges between the DSO in **Eurogas** and other associations in Brussels - and beyond - are important to broaden the knowledge base. Eurogas, **CEDEC** and **GEODE** cooperate closely to initiate the works in many of the **1400 DSO**.

COMPANIES OF THE THÜGAGROUP JOINED THE DVGW MEASUREMENT PROGRAM TO DETERMINE UNTIL 2021 THE METHANE EMISSIONS OF THE DSO SECTOR

Quantification of emission rates with „Suction Method“

- 10-15 initial measurements in Summer 2019 for practicing all organisational aspects together with measurement providers and the grid operators
- Afterwards conduction of **large measurement campaign (at least 200 measurements)** with grid operators from all over Germany on **different pressure levels**, materials and pipelines (**main lines and service lines**)

Suction Method Principle

- Gas is aspirated from the soil using probes in the area surrounding a pipe leak with a vacuum pump
- Leak flow is measured by means of a flow meter and a gas concentration meter
- Leaks must carefully be located before the measurement

