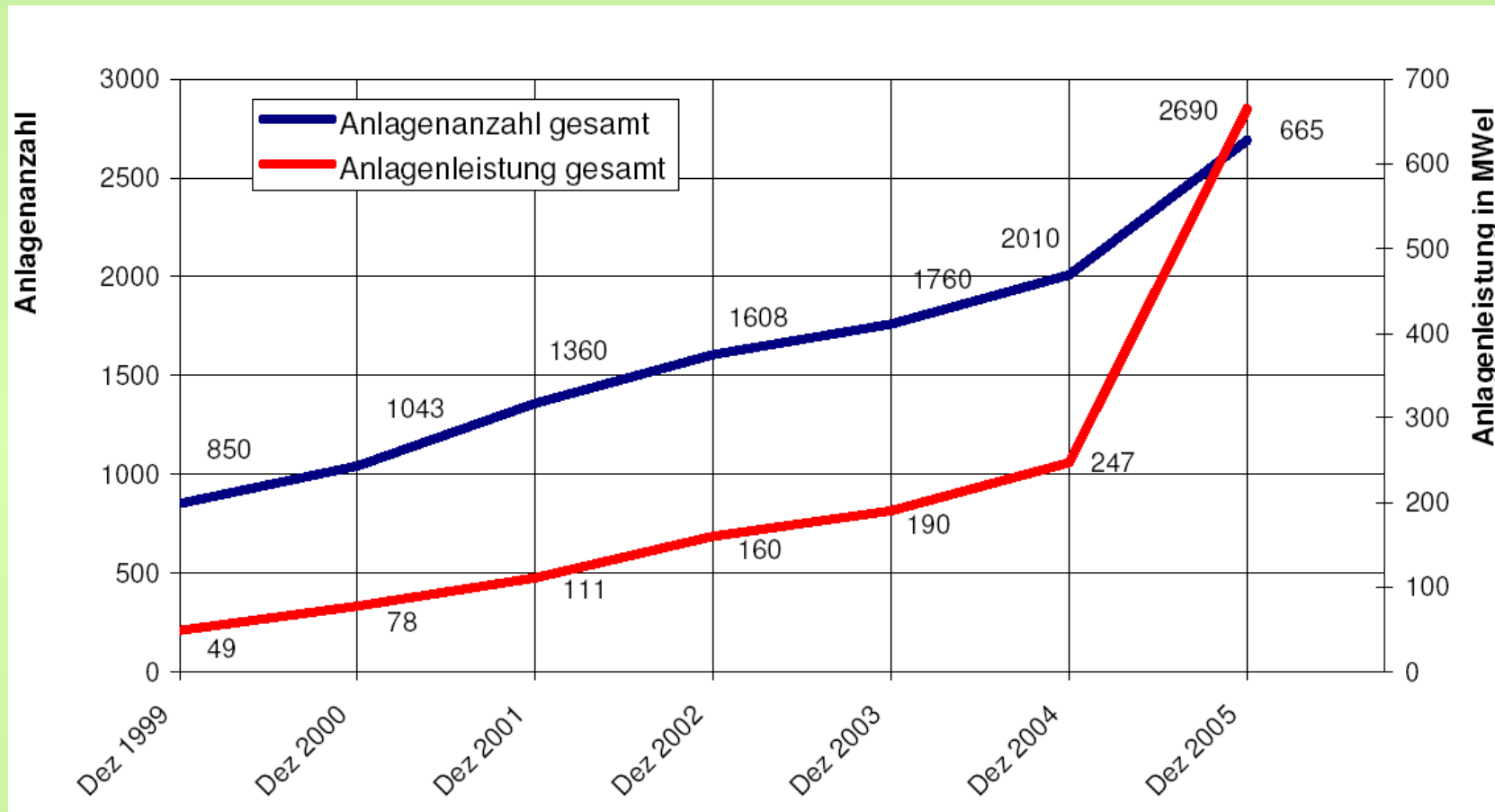


# **National State of the Art Germany**

## **Short Information**

DVGW/DBI



Overview about number of biogas plants and installed electrical power in Germany (2006: 3400 biogas plants)

## Plants for Injection of Biogas into the Natural Gas Grid

- in operation
- planning/ building
- planned



## Biogas injection:

- 2 plants in operation (start in 2007)  
1 plant in starting period (full operation in 2007)
- 13 plants under construction
- 4 plants in planning phase



## Acting associations:

- Agriculture: Fachverband Biogas e.V.
- Gas Utilities: DVGW  
Deutscher Verein für das Gas- und Wasserfach e.V.



## Technical rules:

- DVGW is the rules setting association of gas industry
- In 2007 a revision of rules regarding biogas upgrading and injection
- New rules will be established for
  - Gas ingredients
  - Technical rules for certification
  - Gas measurement



## Legislative rules (status):

- EEG Renewable Energy Act (last novel 2005)
  - propagation of combination of biogas and CHP-plants
  - defines the salary for electrical energy produces by biomass
- EnWG Energy Economy Act
  - publication of conditions for grid connection
- GasNZV Gas Grid Connection Rules



## Legislative rules (new):

- EEWärmeG Renewable Energy Heat Act (1<sup>st</sup> Draft 10/2007)
  - Equalization of each renewable energy source but restrictions to biogas injection
  - Aim: increase the amount of renewable energy sources in heating systems against fossil fuels for new and reconstructed buildings