Last Madrid Forum the 7 gas associations presented a proposal for definitions. Important was the very ambitions threshold of \(9.1 \, \text{gCO}_2 \text{equiv.} / \text{MJ}_\text{H}_2\).
The DSO builds on the proposal of the TSO to achieve maximum system flexibility to deal with the unexpected. Optimal combination of local energy with security of supply from the TSO.

Possible developments on the transmission level
- Use of existing infrastructures
- Converting certain pipelines to 100% H2
- Low H2 blending into the CH4 network. Level not harmful to large feedstock customers, storages, compressors, turbines
- Connect customers and DSO to H2 and CH4 grid according to their demand and individual situation

Distribution level
- Use of existing infrastructure!
- Enables local injection of biomethane, hydrogen, blends, syngas
- Possibility for dedicated H2 delivery but also "deblending" with membranes for critical consumers

PYR = Pyrolysis        ATR = Autothermal Reformer
SMR = Steam Reformation  MET = Methanisation
CCU = Carbon Capture & Usage  IP = Interconnection point
CCS = Carbon Capture & Storage  NKP = TSO-DSO connection
The Task Force in Marcogaz studied in detail 63 reports from all over the world. It is work in progress as many additional projects are starting which will add new intelligence in the components.