

# Energy Community 18th Gas Forum

# A barrier for possible decommissioning of gas infrastructure

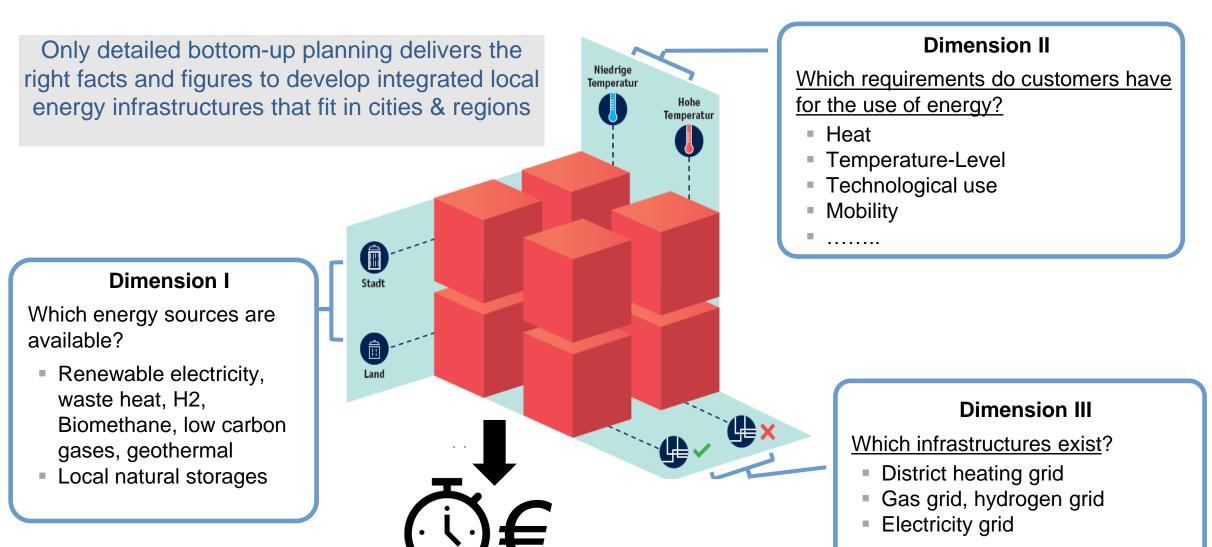
The conversion of industrial gas consumers to electricity, where technically possible, would pose considerable challenges for the electricity grids

DSOs deliver 50% of gas in energy consumed by industrial users - Industry consumes 31% of all gas consumed in the EU (final energy consumption)

	Share of gas in industry	DSO	TSO
Netherlands	60%	25%	75%
Czech Rep.	58%	90%	10%
Denmark	53%	100%	0%
Germany	50%	62%	38%
Spain	47%	99%	1%
Austria	40%	100%	0%
France	37%	46%	54%
Belgium	37%	35%	65%
Italy	33%	36%	64%
Switzerland	26%	85%	15%

Source: member data and Frontier 2019

# Bottom-up: the perspective for possible developments of local energy infrastructures



# Regulatory perspectives for decommissioning of parts of natural gas infrastructure as an outcome of local energy infrastructure planning

If parts of the distribution system require decommissioning, as a result of local energy infrastructure planning, in particular before the end of their originally projected useful lifecycle, and will not be repurposed for the distribution of hydrogen, then:

- → Member States shall ensure **regulatory guidance** from the regulatory authorities;
- → Member States shall ensure **financial support** measures for distribution system operators, taking into account security of supply, the affordability of network tariffs and environmental requirements;
- → DSOs shall propose measures to the NRA to **equitably allocate the efficient costs** of the assets over their remaining lifecycle;
- → NRA shall develop **guidelines for a structural approach to the depreciation** of assets, including adjusting the depreciation profile or timeline of the assets.

### A roadmap for gas distribution networks to help achieve REPowerEU ambitions and net zero

#### Societal drive to decarbonise: European and national net zero targets

#### Now

#### We have various starting points:

- Over 2 500 DSOs in Europe supplying a variety of customer groups
- Different gas demand profiles in different countries
- Varying future biomethane availability in different countries

#### But we share common values:

- Trustworthy and reliable supply, with very few interruptions
- Flexible hubs connecting distributed supply and demand
- Providing seasonal scale to deliver winter heating
- Innovation and digitisation to connect biomethane and prepare for hydrogen



Enablers that help local gas distribution networks to make the transition

#### Infrastructure and technology for hydrogen

Supply from H2 backbone, storage and local production Conversion of existing end users and new end users

#### Fit for purpose policy & regulatory

National hydrogen strategies and enabling regulation

EU policy framework

#### 2045

## One achievable goal:

Be the leading hydrogen distribution infrastructure to achieve net-zero across Europe

Current phase
2: deliver the
Roadmap in
the various
countries

