

In association with

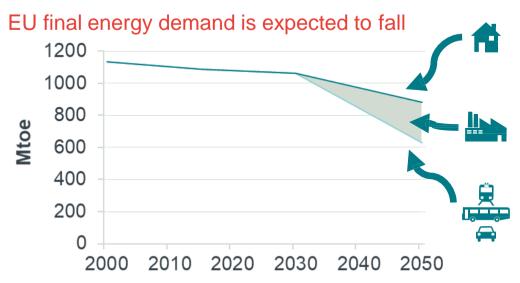
### Potentials of sector coupling for decarbonisation - Assessing regulatory barriers in linking the gas and electricity sectors in the EU

### Madrid Forum 2019

6 June 2019

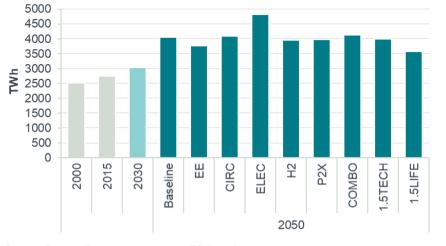


# Despite the uncertainties, scenario studies consistently find a long-term role for gases...



Source: Frontier Economics and CE Delft, based on EC (2018)

#### While electricity demand is expected to increase



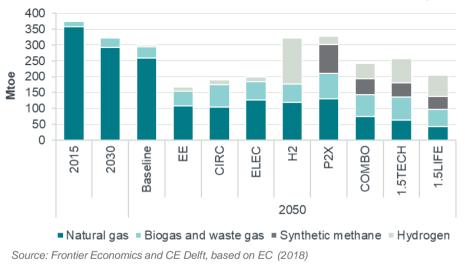
Source: Frontier Economics, based on EC (2018)

### With renewable electricity accounting for a high share of the mix by 2050

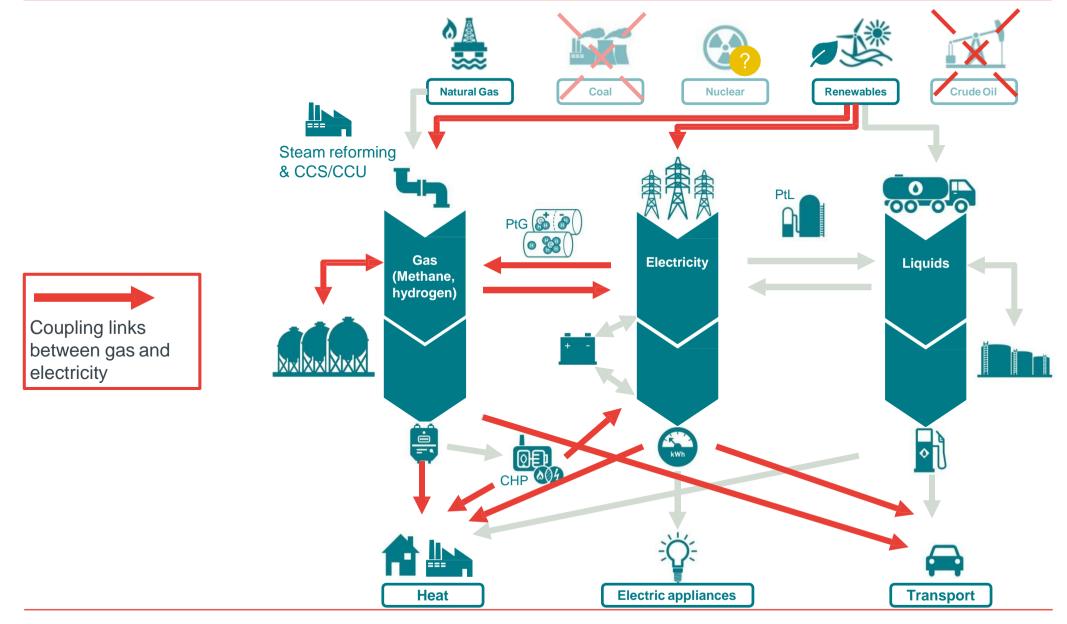


Source: Frontier Economics, based on sources indicated.

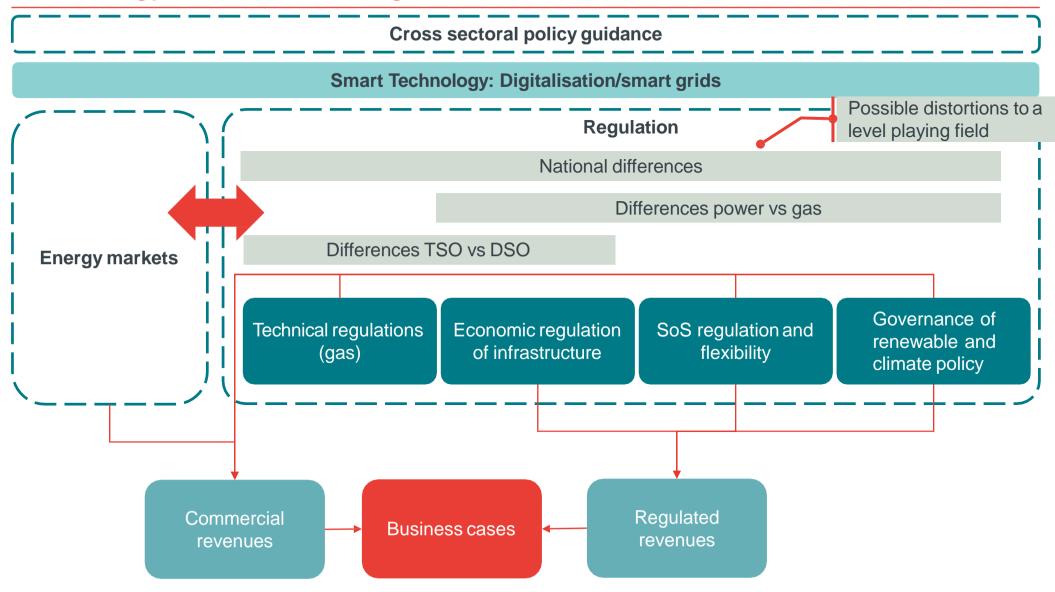
#### Gases help with transport / (seasonal) storage needs



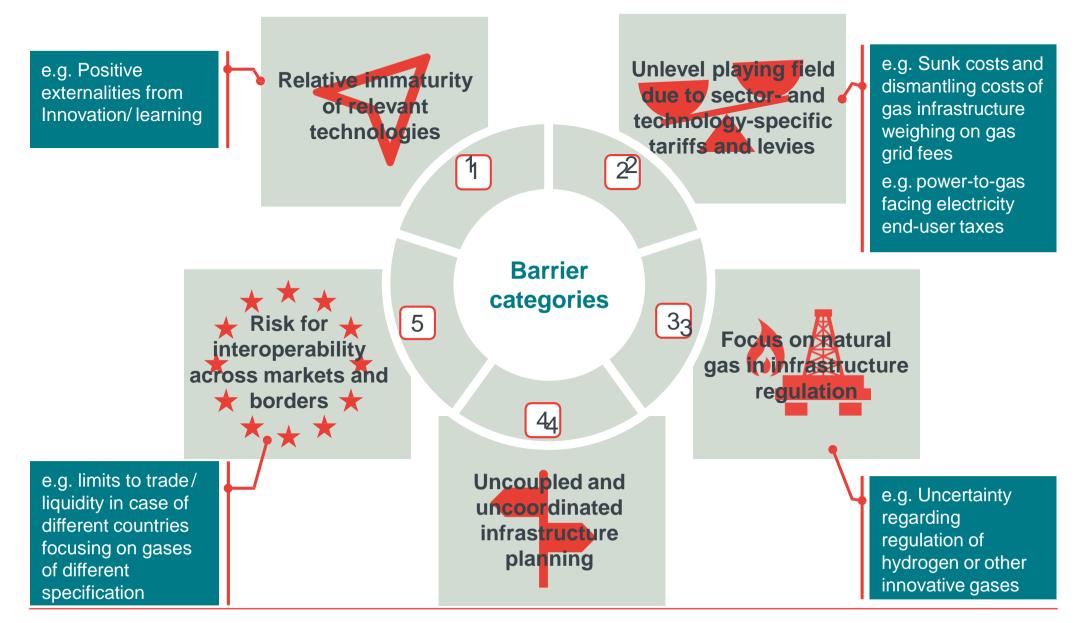
... and increasing interaction between electricity and gas, as well as between different types of gases



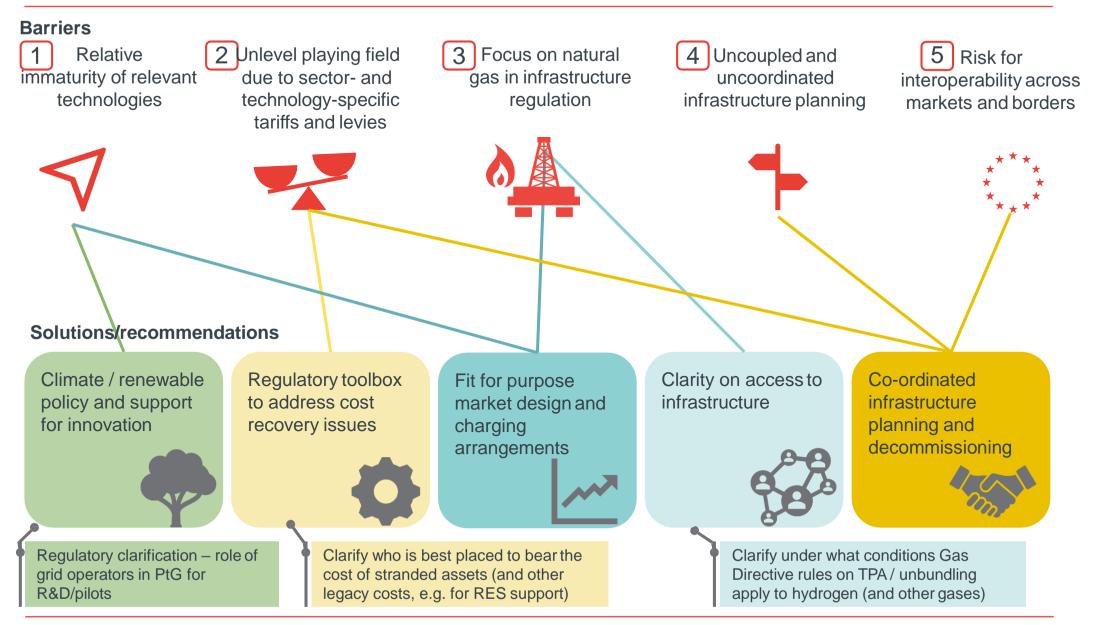
## Market design and regulation therefore need to be consistent and technology neutral in a range of areas



#### Barriers and gaps can be grouped into five categories



# A range of solutions will be required to address the barriers and gaps identified





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