In response to this debate the Sustainable Gas Institute at Imperial College London has conducted a rigorous systematic review of the evidence surrounding gas network decarbonization options.

**There are a range of different options for gas network decarbonisation, each with benefits and limitations and no clear best option.**

A greener gas grid: What are the options

highly granulated European natural gas infrastructure model to analyze gas flows and identify where and when congestions occur in the European natural gas transmission network.

European natural gas infrastructure: The impact of market developments on gas flows and physical market integration

Hydrogen blending into the existing gas networks could be advantageous.

Hydrogen blending impacts on gas network components require a better understanding.

A review of technical and regulatory limits for hydrogen blending in natural gas pipelines