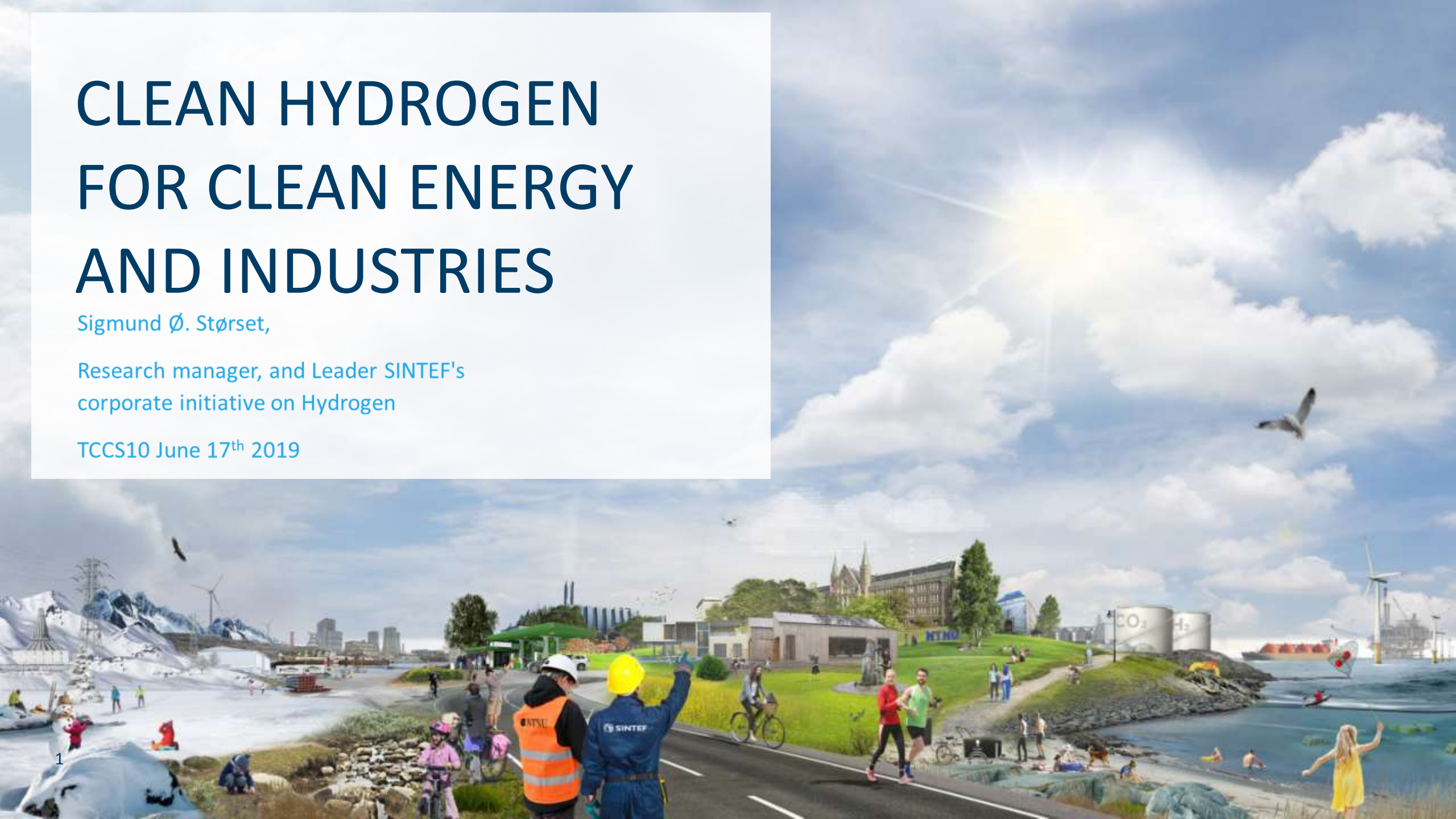


# CLEAN HYDROGEN FOR CLEAN ENERGY AND INDUSTRIES

Sigmund Ø. Størset,

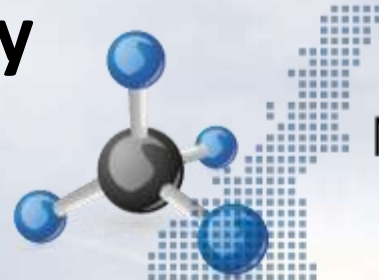
Research manager, and Leader SINTEF's  
corporate initiative on Hydrogen

TCCS10 June 17<sup>th</sup> 2019



**Security of supply**

**Natural Gas**  
122 bcm



Norway

\$ 26 bn  
(2017)

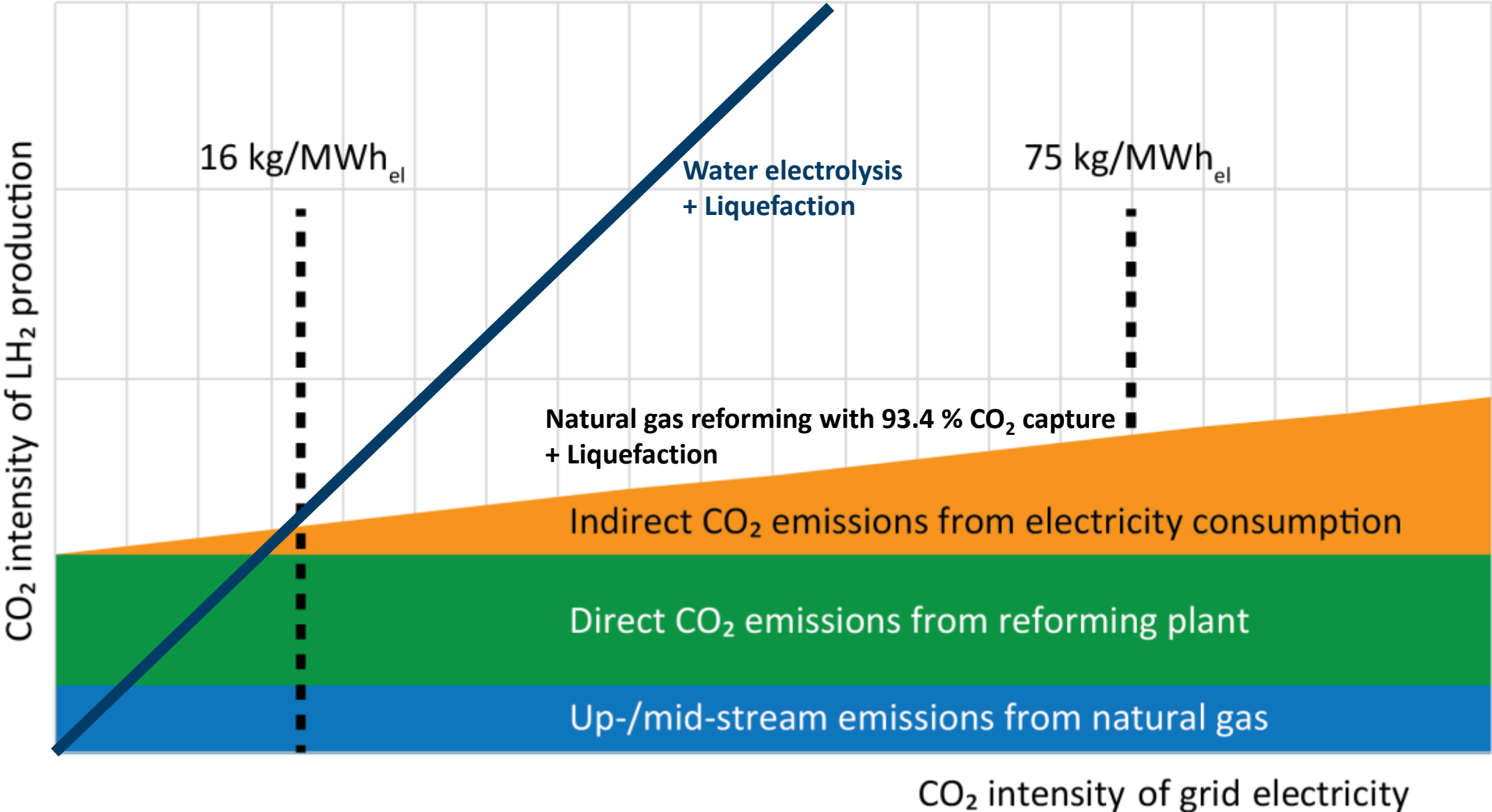
**Energy**

**Cost**

**Environmental footprint**

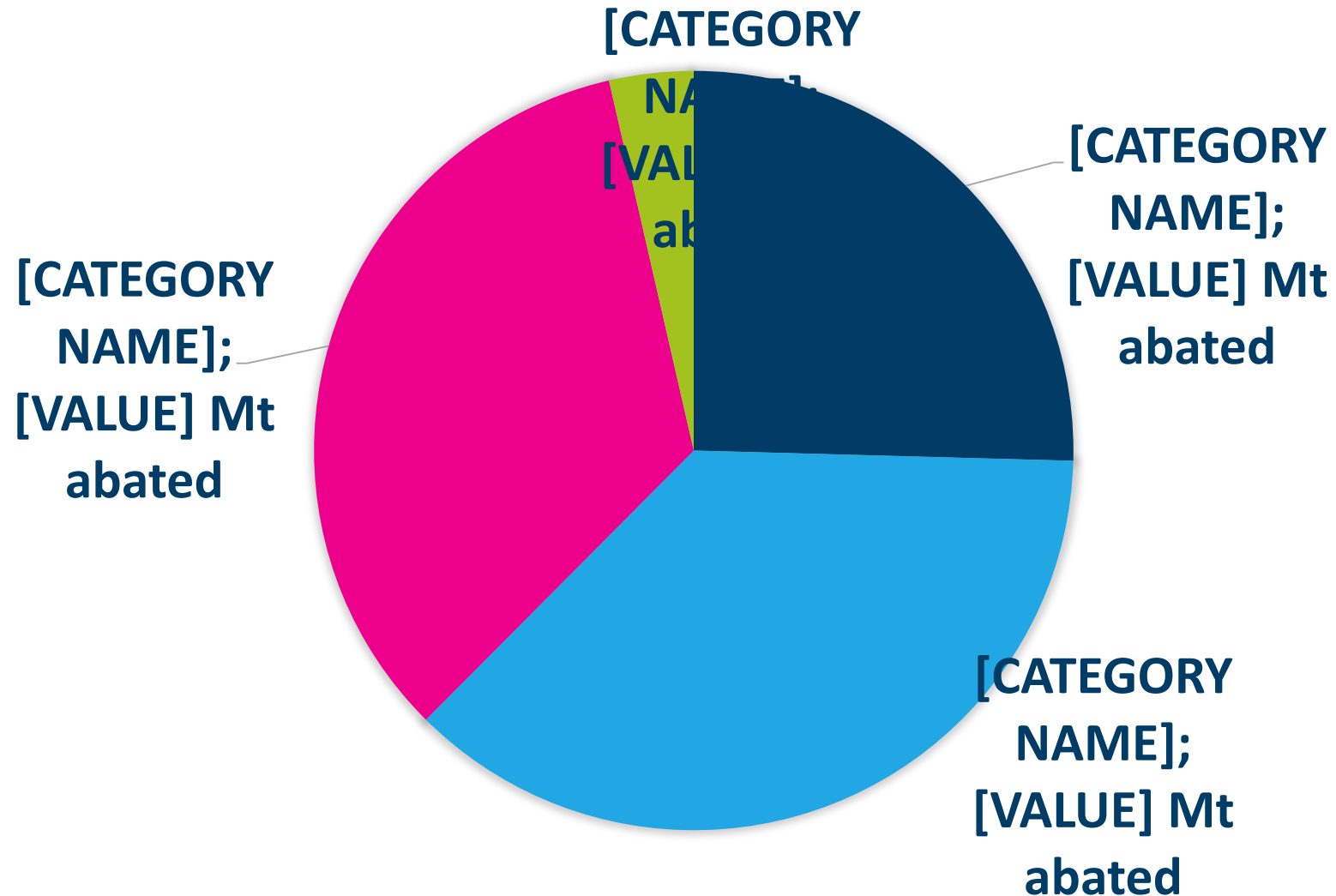


# H2 from natural gas with CCS is clean





# Almost 20% of current European CO<sub>2</sub> emissions can be abated by clean hydrogen in 2050



A satellite night view of Europe, showing the continent illuminated by city lights. The lights are concentrated in major urban centers and along coastlines, creating a glowing pattern against the dark background of the land and sea. The text is overlaid on the left side of the image.

Hydrogen from natural gas with CCS  
is an **opportunity** for Europe.

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