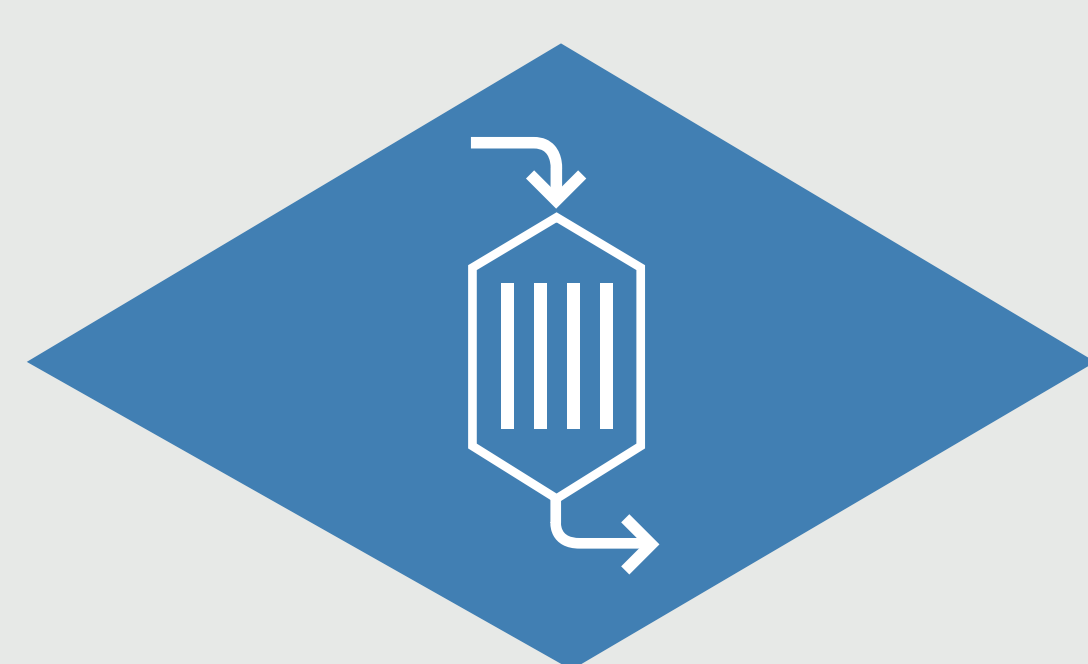




# MACBETH

Membranes And Catalysts Beyond  
Economic and Technological Hurdles



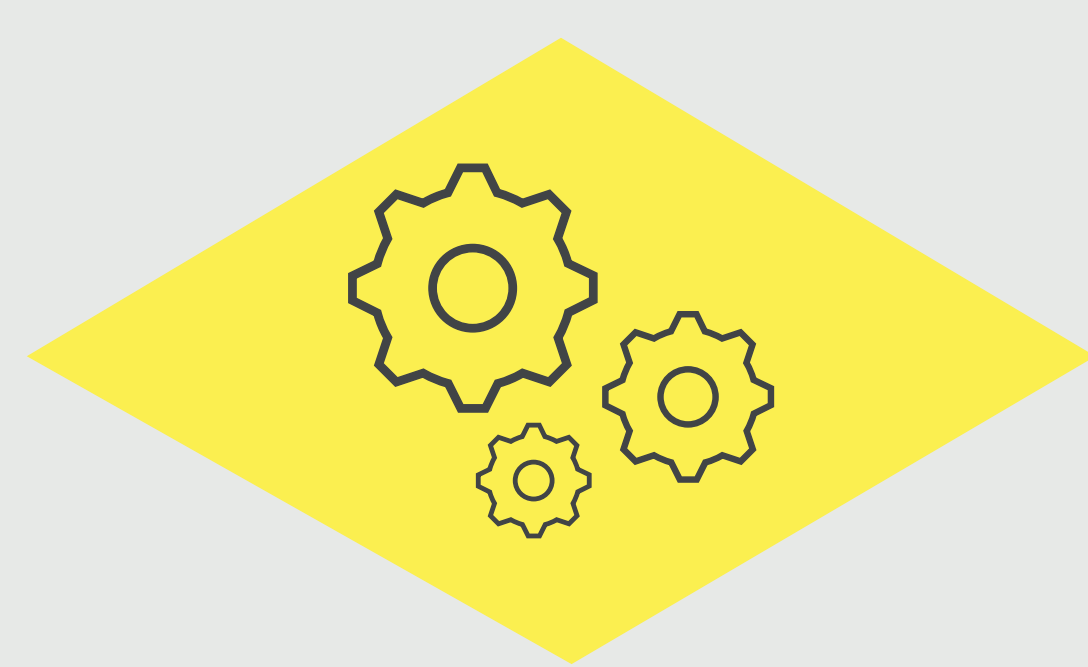
Catalytic synthesis and product  
separation in one single highly  
efficient catalytic membrane reactor



**24 Partner**



**10 Countries**



## 4 Application cases

HYFO – Hydroformylation  
H<sub>2</sub> – Hydrogen Production  
PDH – Propane Dehydrogenation  
BOC – Bio Catalytical Oil Cleavage



**1 Intended spin-off** “European  
Lighthouse Catalytic Membrane  
Reactor”



## CONTACT US



[www.macbeth-project.eu](http://www.macbeth-project.eu)



[macbeth.h2020@gmail.com](mailto:macbeth.h2020@gmail.com)

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MACBETH has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 869896