


# An Environmental Perspective


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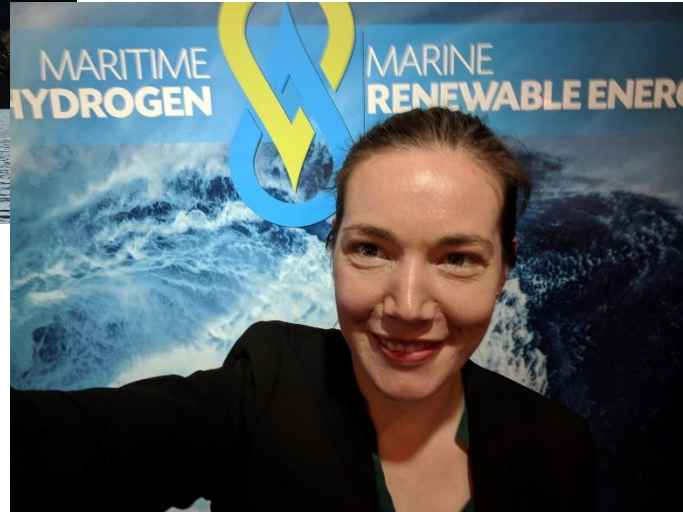
# IPCC 1.5 Report

- “Pathways limiting global warming to 1.5°C with no or limited overshoot would require rapid and far-reaching transitions in energy...
  - These systems transitions are unprecedented in terms of scale... imply deep emissions reductions in all sectors... and a significant upscaling of investments in those options”
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# IMO Target

- At least 50% by 2050
  - NOT in line with 1.5
  - Need to review target in 2023
  - However, will require substantial zero emission vessel numbers
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# It's starting!



"Ammonia is easily sourced and has carbon-free emissions. Furthermore, thanks to the long-standing fertilizer industry, safe working practices are well established."

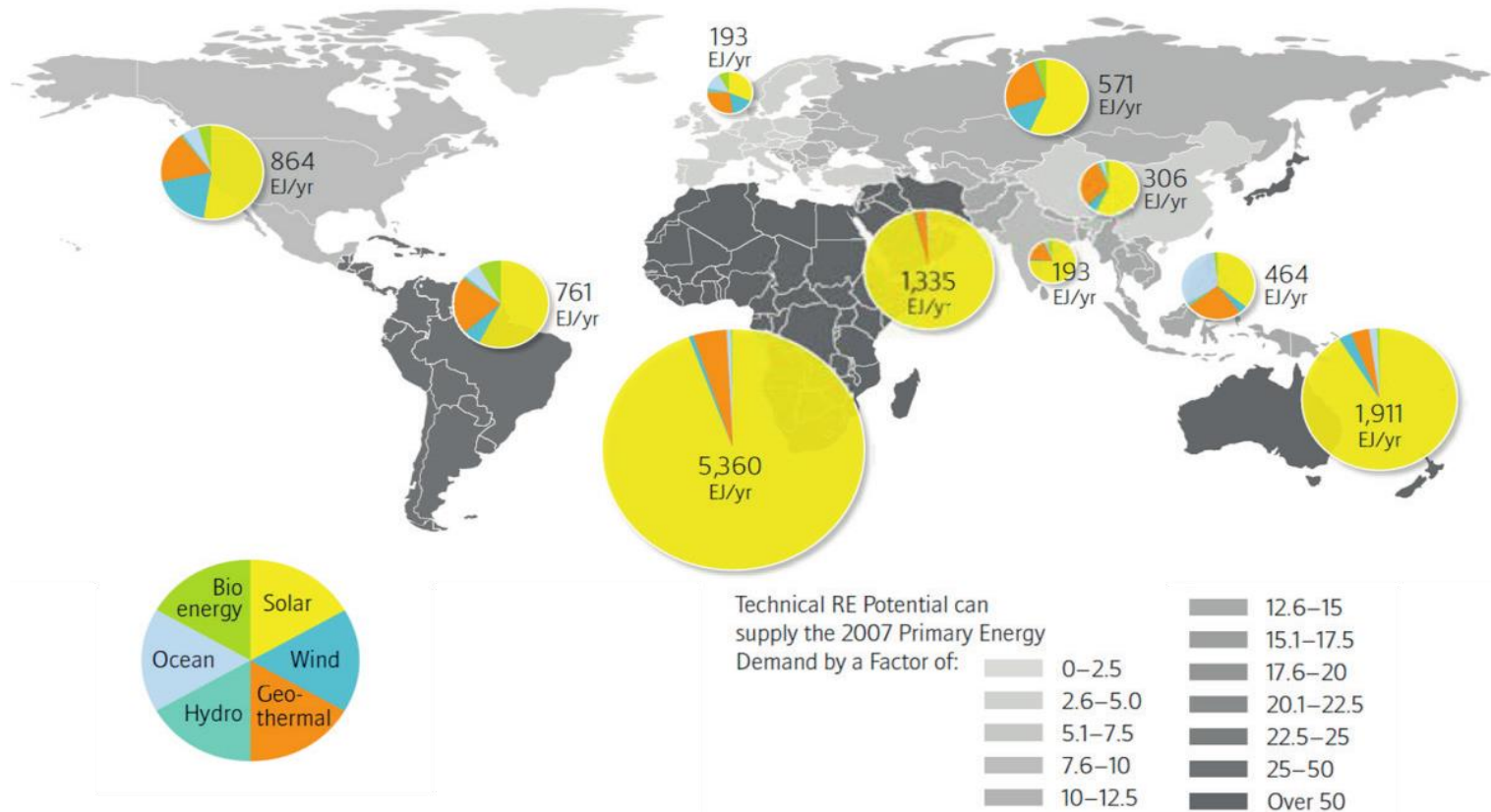
## HySeas III: World-first Renewables-Powered Hydrogen Ferry



# Many countries have the potential for renewable fuel provision



- Shipping – 20-40EJ/yr



# IMO Strategy

- Mid/Long term measures submissions to MEPC 74 in May 2019
  - Potential to establish series of intersessional GHG meetings out to 2023
  - Carbon pricing, demonstration projects and fuel supply chains for developing countries supported through IMO fund
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# **THE LEGAL BASES FOR IMO CLIMATE MEASURES**

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