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# **GHG Reduction in International Shipping: New Fuels and the Need to Establish the International Maritime Research and Development Board**

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# We must move shipping away from fossil fuels



# But aren't we almost there?

Shell's shipping chief sees hydrogen as the best contender for fuel of the future

Maersk writes off hydrogen as fuel for containerships in the short-term

**Boxship sector takes first steps towards ammonia use as fuel**

The race is on to find a zero-carbon replacement for fossil fuels. A new initiative has put problems of installing ammonia tanks into containerships

Wind-assist technology is ready and waiting for IMO to set tough CO2 rules

Start-up's US gigafactory for lithium-metal batteries could electrify shipping



# No, we are not even close

- Current research is promising, but it is not enough to get us far enough, fast enough
- To halve shipping emissions by 2050, we need zero carbon ships on the water in the early 2030s
- For deep-sea shipping, a transformational technology step is needed
- Unconnected projects on limited budgets will not get us there in time



# We need coordinated R&D at scale

## - the International Maritime Research & Development Board

### Independent body

- Under the IMO
- Run by independent Board
- Professional staff to select projects and ensure efficient work

### Industry financed

- Mandatory R&D contribution of USD 2 per tonne of marine fuel
- USD 5 billion in core funding over a 10-year period

### One objective

- Research and development to find low and zero carbon fuels for shipping
- Allowing commercial entities to provide technologies and services to the global fleet

# USD 5 billion over 10 years



**Focus for progress**  
Enables investment at scale  
in the most promising  
technologies



**Resources**  
Will attract resources and  
funding from additional  
sources



**Political Engagement**  
An equitable approach that  
ensures all nations get  
access to innovation



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실천을 하라

- We are in the decade of #ClimateAction
- For shipping this means zero carbon propulsion systems on working ships
- The path is R&D at scale through the International Maritime Research and Development Board