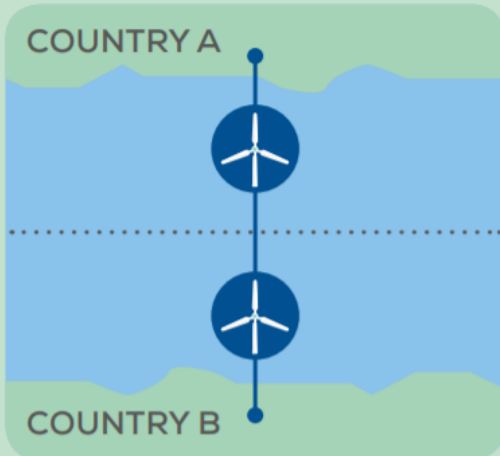


# Market arrangements for offshore wind hybrid projects

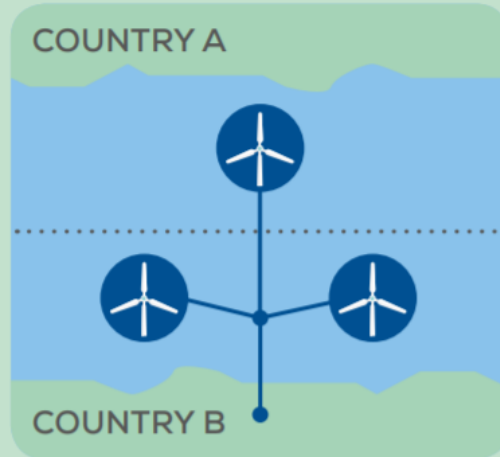
Iván Pineda

# Offshore hybrid projects

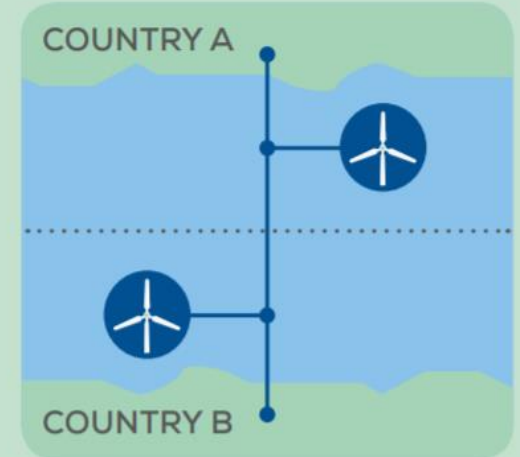
**Combined grid solution**



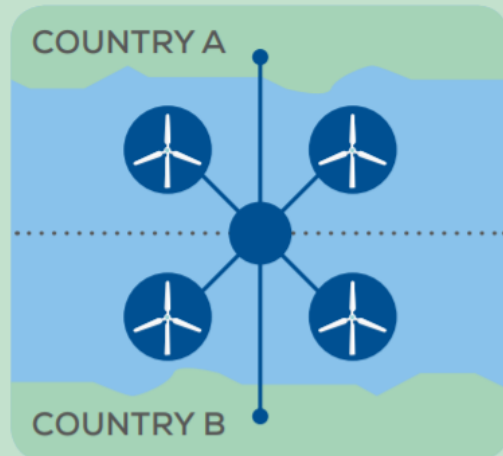
**Modular grid**



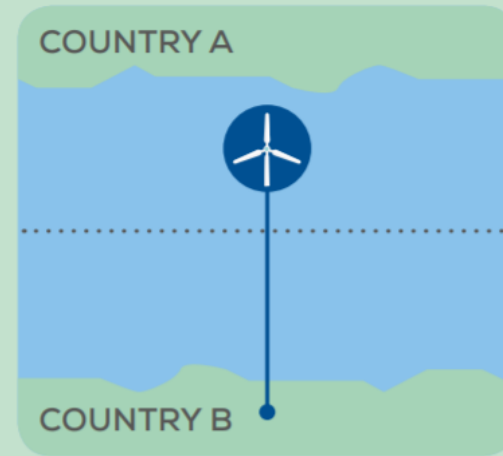
**Interconnector tie-in**



**Offshore hub**



**Neighbour OWF**



# Three questions to address

1

Why we need offshore hybrids?

2

Why we need a fit for purpose regulatory framework?

3

Why bother?

# Why we need offshore hybrids?

x 20 capacity increase  
by 2050

Optimize space at sea

Increase interconnection  
and trade

Reduce impacts on  
communities and  
environment

Cost reduction vs.  
radial

# Why we need a fit for purpose regulatory framework?

- Current market rules do not provide the investment signals for these assets
  - Offshore hybrids are both: Interconnector and generation
- Level playing field
  - Meshed vs. one line
- RES fit for markets and markets fits for RES (incl. hybrids)
- Bidding zones review won't tell what's needed

# Why bother?

- Offshore hybrids have a value for the market
- But the value is wrongly distributed
- The regulatory framework has to unveil and distribute this value
- It can't be left to a national – bilateral decision
- And it has to balance short-term efficiency Vs. long-term investment signals

# THANK YOU

**Wind**<sup>•</sup>  
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