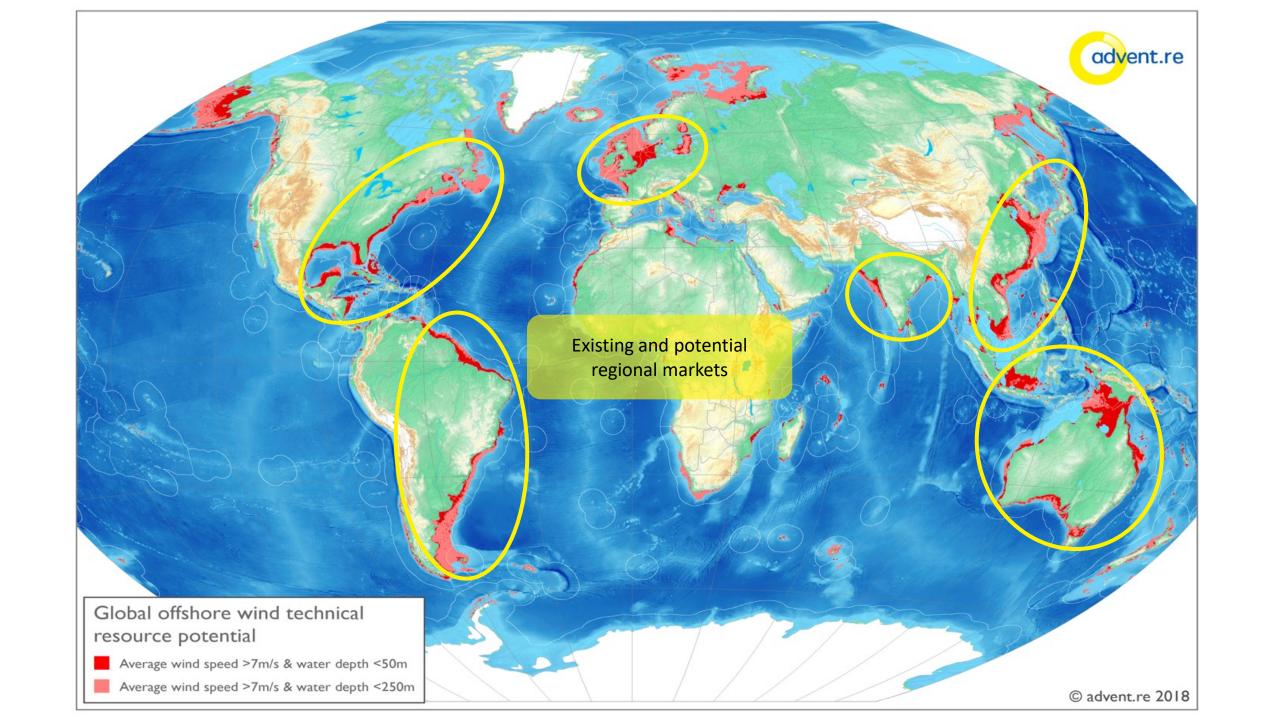




Taking offshore wind global

8 Oct 2019

Alastair Dutton

























- 1 Market intelligence
- 2 Market readiness assessment
- 3 Market entry opportunities
- 4 Policy advocacy
- 5 In-country events
- 6 Knowledge transfer
- 7 Skills training

and more to come...



+ Wind Energy Associations, Carbon Trust, IFC



OFFSHORE WIND FOR EMERGING MARKETS

A NEW ESMAP WORK PROGRAM IN PARTNERSHIP WITH IFC

FEBRUARY 14, 2019







Policy Toolkit



- Utilising knowledge management techniques:
 - To provide a structured approach to market creation
 - To identify where countries, and regions, are in maturing their elements of the market
 - To focus on specific topics for improvement
- Applied in-country with governments, developers and supply chain
- The approach is proven in other sectors
 - Education
- Oil and Gas
- Healthcare
- Computing/telecoms

Offshore Wind Market Readiness Assessment

To assess the readiness and attractiveness of new and emerging offshore wind markets for offshore wind deployment and to identify where improvements would be best focused.

| Objective | Gap | Target Date |
|-----------|-----|---|
| 4 | 2 | |
| 3 | 1 | |
| 4 | 1 | |
| 3 | 2 | |
| 5 | 3 | |
| 4 | 1 | |
| 4 | 2 | |
| 4 | 0 | |
| 3 | 1 | |
| 4 | 2 | |
| 3 | 2 | |
| 2 | 1 | |
| | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |

| Assessment Dates | to |
|---------------------|----|
| Planned Review Date | |

Subsequent sheets explain the separate topic rankings and how they have been derived in this assessment.

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Market evolution



Established



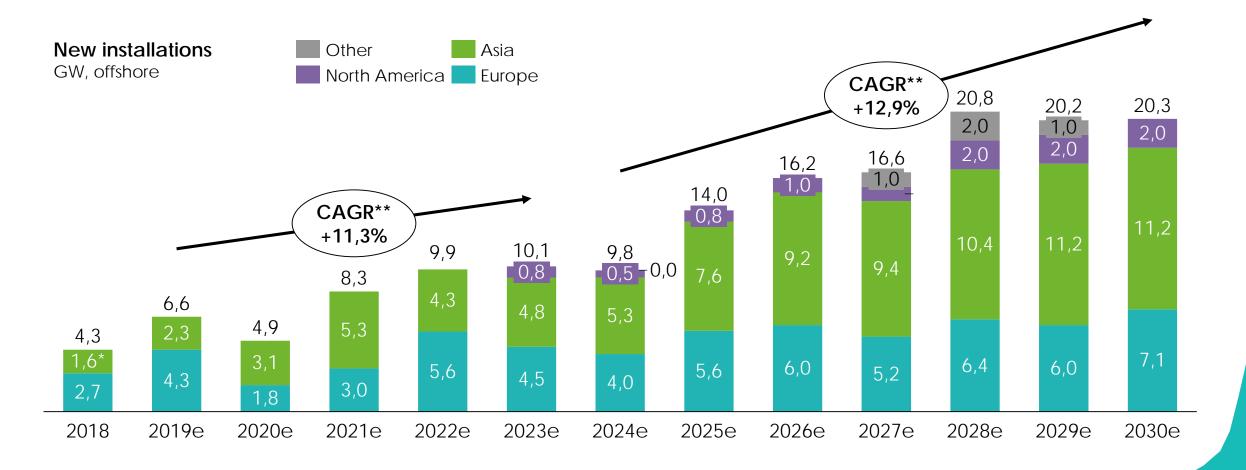


Potential

| Europe |
|-----------|
| |
| Asia |
| |
| Americas |
| |
| Elsewhere |

| | UK, Netherlands, Germany, Denmark, Belgium | France, Ireland, Poland, Turkey, Sweden, Finland, Norway | Spain, Portugal, Greece, Italy, Estonia, Latvia, Lithuania, Russia |
|---|--|--|---|
| | China | Taiwan, Vietnam, India, S Korea, Japan | Sri Lanka, Philippines, Papua New Guinea, |
| 6 | | Massachusetts, New York, New Jersey, Delaware, Maryland, | California, Canada, Alaska, Brazil, Argentina, Venezuela, Colombia, |
| е | | Australia | New Zealand, S Africa, Morocco, Iceland, Hawaii, Madagascar, |

GWEC Offshore Market Outlook to 2030



^{*} Chinese installation adjusted to 1.6 GW new installations for 2018, Source: CWEA

Source: GWEC Market Intelligence



^{**} CAGR = Compound Annual Growth Rate





Thank you

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