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An evaluation of offshore wind power production by floatable systems: A case study from SW Portugal

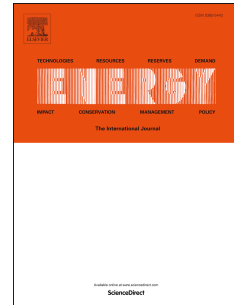
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Highlights

- Offshore wind resource assessed for SW Portugal using hindcast and in situ data
- Non-validated power-law exponents result in inaccurate wind resource assessments
- Wind turbine devices are compared based on capacity factor and energy production
- Power density varies for different offshore locations
- Energy production depends mainly on wind turbine capacity factor and less on diameter or hub height

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