



**Showcasing research from Professor Wei Gu's laboratory,
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Hydrogen economy driven by offshore wind in regional
comprehensive economic partnership members

Considering the differences and complementarities in offshore wind exploitation conditions, hydrogen production costs and potential, and hydrogen technology levels among Regional Comprehensive Economic Partnership (RCEP) members, this paper proposes a co-development optimisation model to explore the feasibility of the hydrogen economy driven by offshore wind in RCEP members, thus further verifying the broad application prospects and huge potentials of the offshore wind-based hydrogen (OWH) trading. This forward-looking study can assist RCEP members in analysing the development path and cooperation mode of the OWH trading to help achieve carbon neutrality globally.

As featured in:



See Wei Gu *et al.*,
Energy Environ. Sci., 2023, **16**, 1014.