

# Wake Dynamics of Floating Wind Turbines

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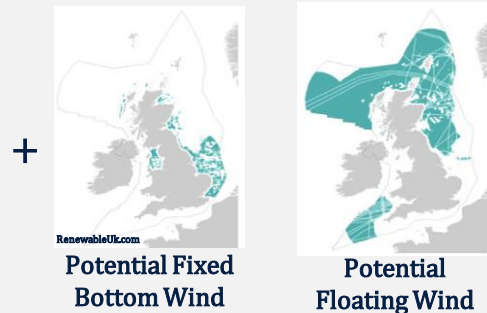
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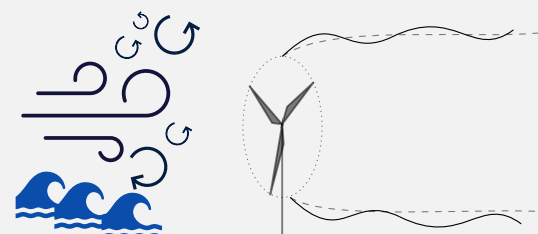
## Global Instability



## Abundant Resource

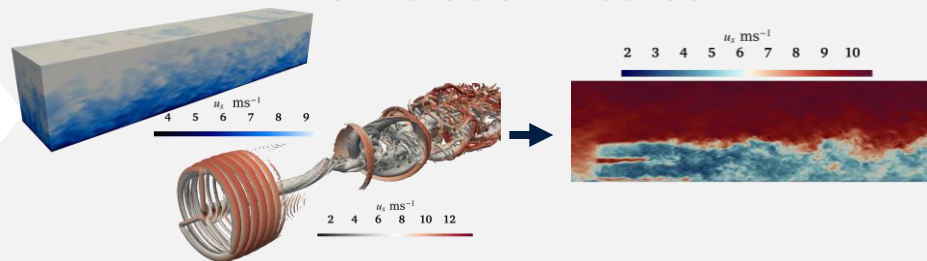


## Floating Turbine Wakes in sheared turbulent inflows

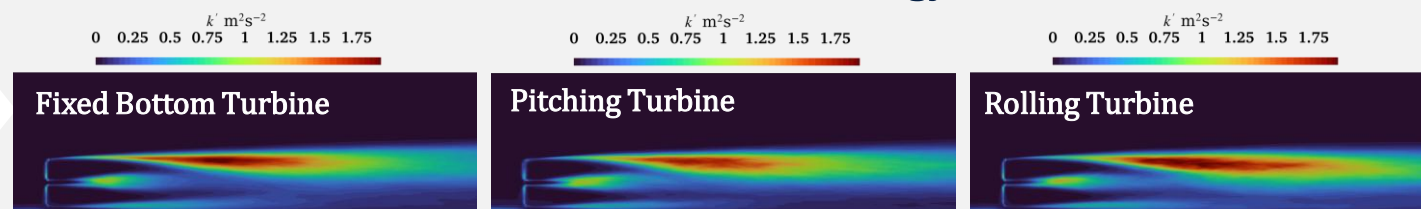


**Aim:**  
 Investigate the coherent wake dynamics of floating turbines subject to sheared turbulent flows.

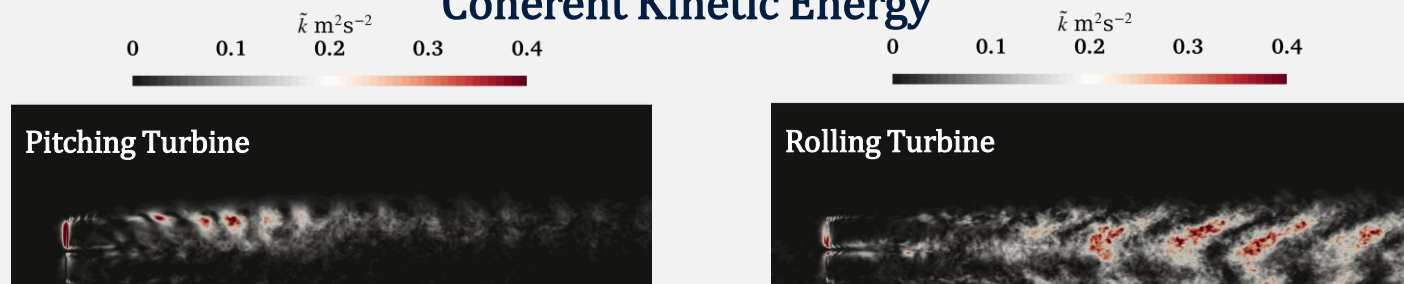
## Simulation Method



## Turbulent Kinetic Energy



## Coherent Kinetic Energy



## Conclusions

1. Platform motions remain relevant to wake dynamics even in turbulent sheared inflows.
2. There exists a complex relationship between motion characteristics and resultant dynamics.