ECO Wind

BOWIE: Towards enabling sustainable expansion of offshore wind while protecting marine benthic biodiversity and functioning



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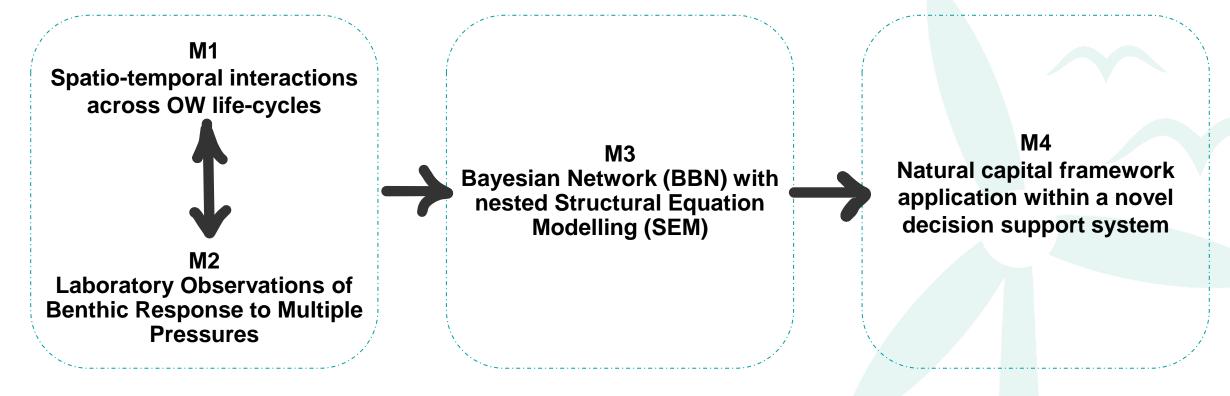






BOWIE





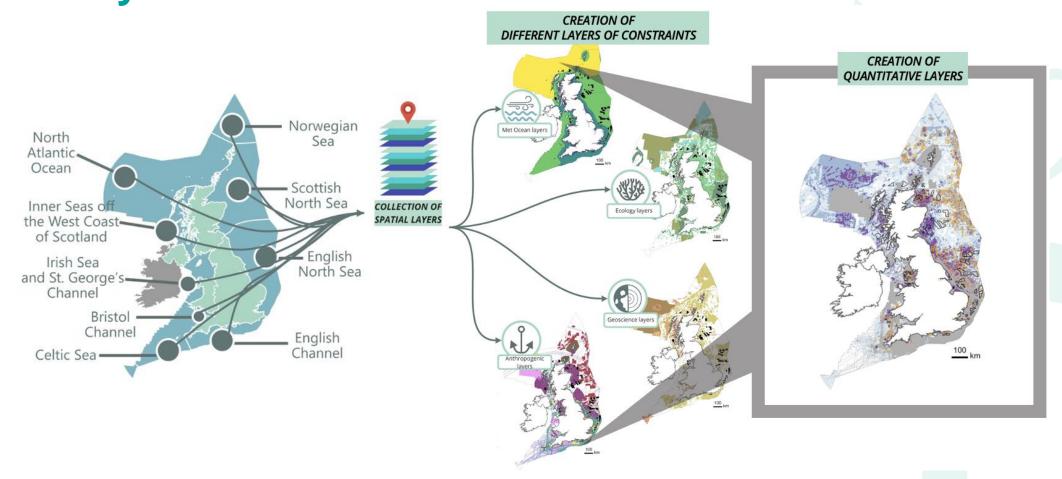
Data/Observations

Modelling

Use of evidence

Module 1: Spatio-temporal interactions across OW life-cycles





A public dashboard is already available and will be further expanded – LINK

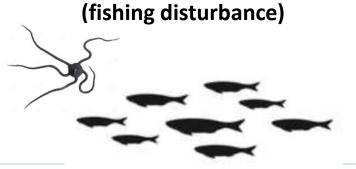
Module 2: Laboratory Observations of Benthic Response to Multiple Pressures



Vibration and physical



Present and future environments (warming, acidification, hypoxia)



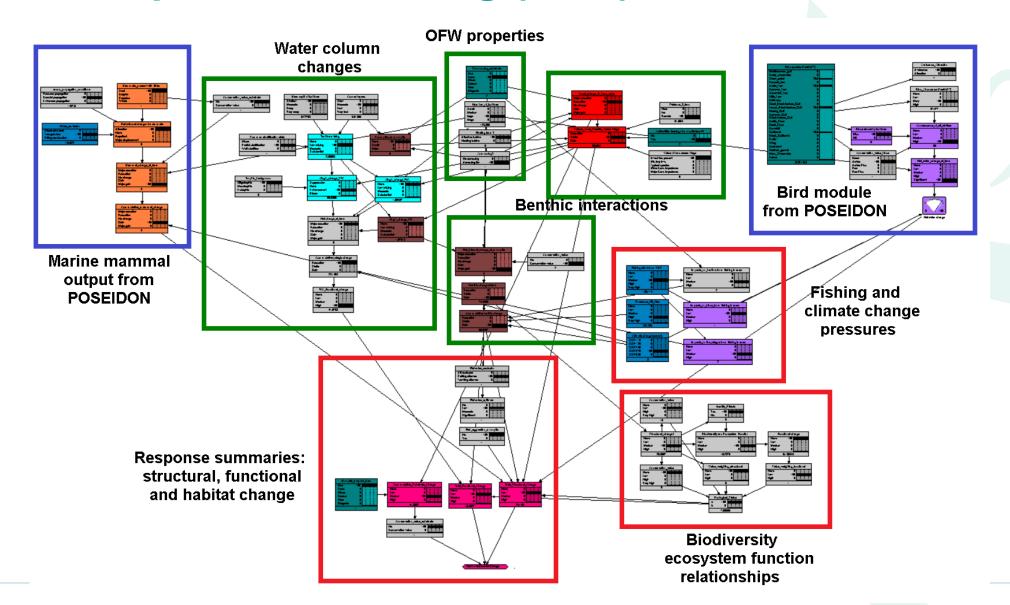




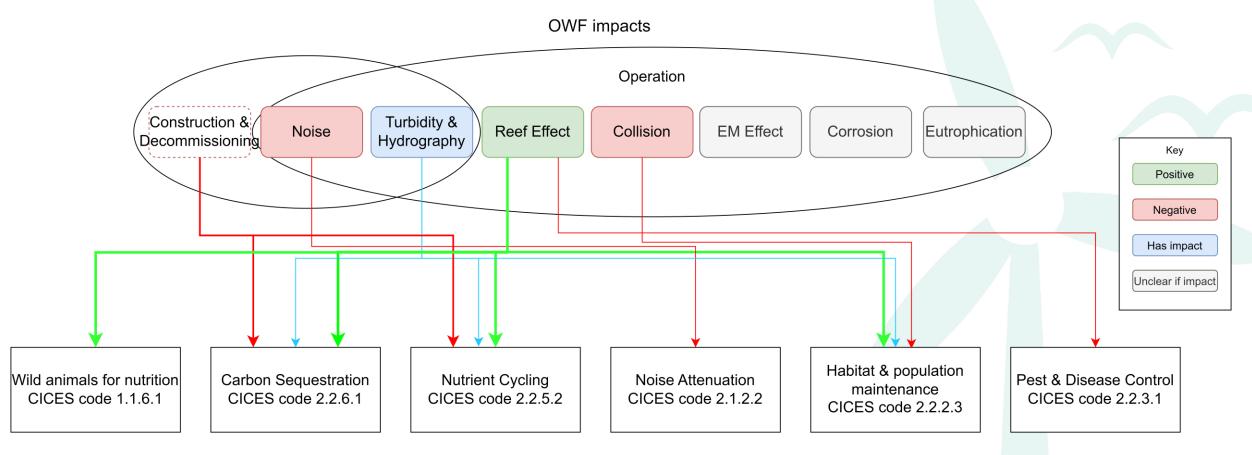
Cable and cable protection (electromagnetism and thermal)

Module 3: Bayesian Network (BBN) with nested Structural Equation Modelling (SEM)



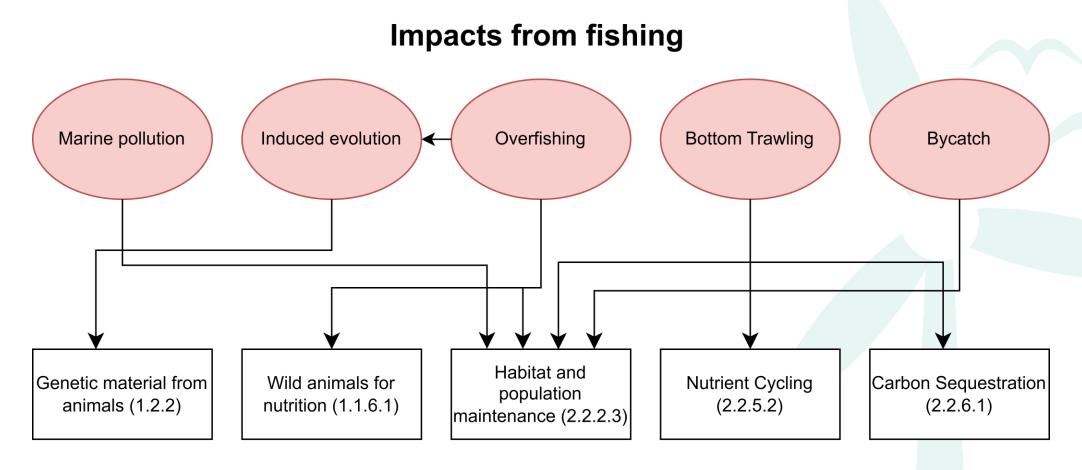






Ecosystem Services

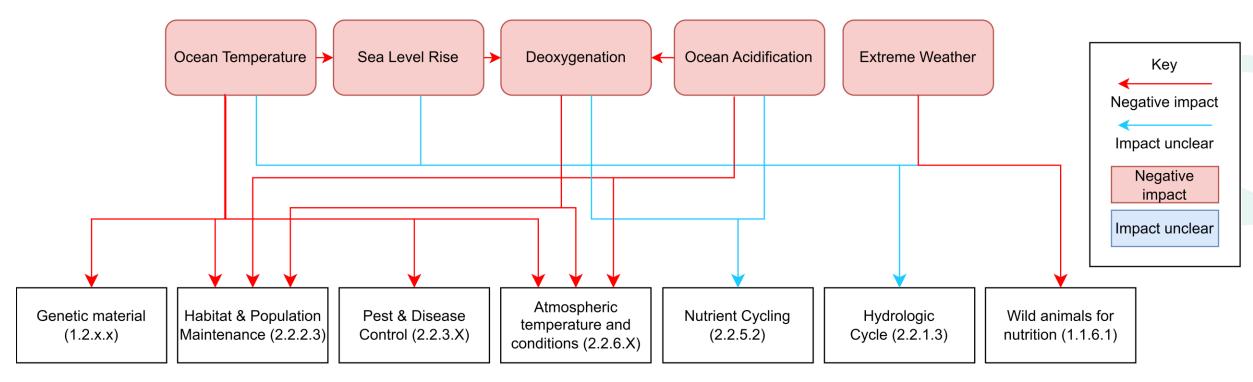




Ecosystem service

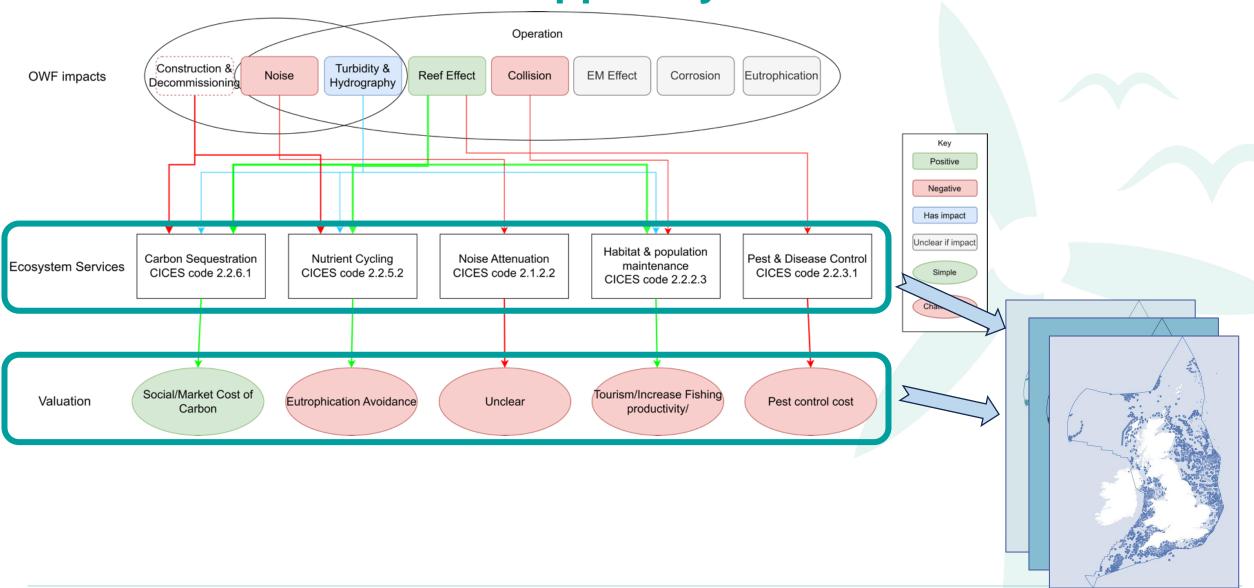


Climate Change Impacts

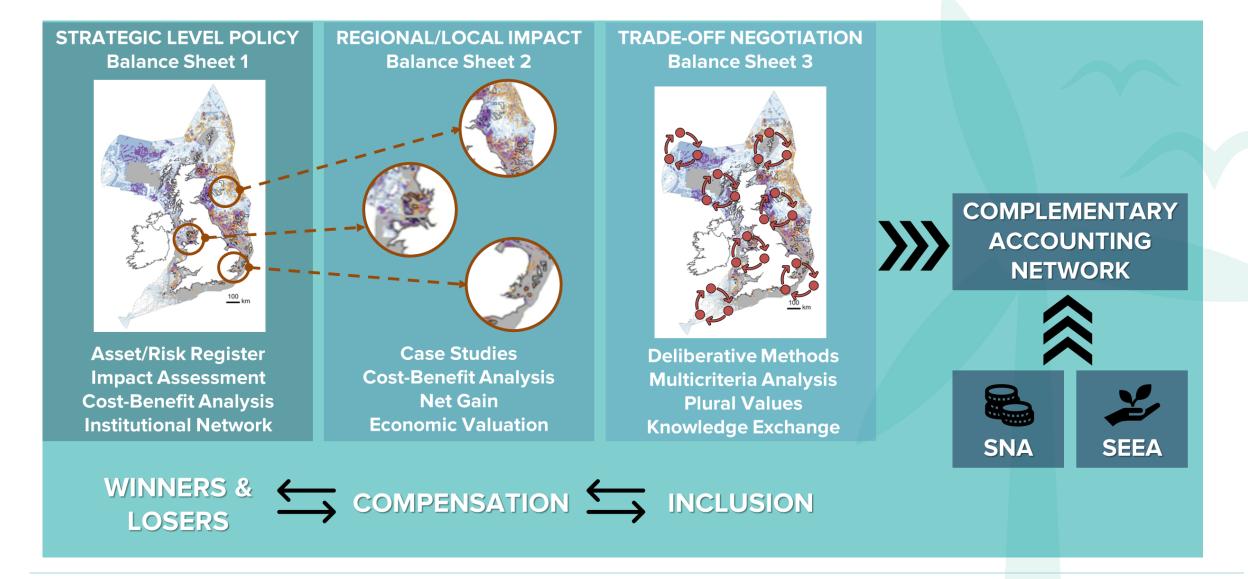


Marine Ecosystem Services

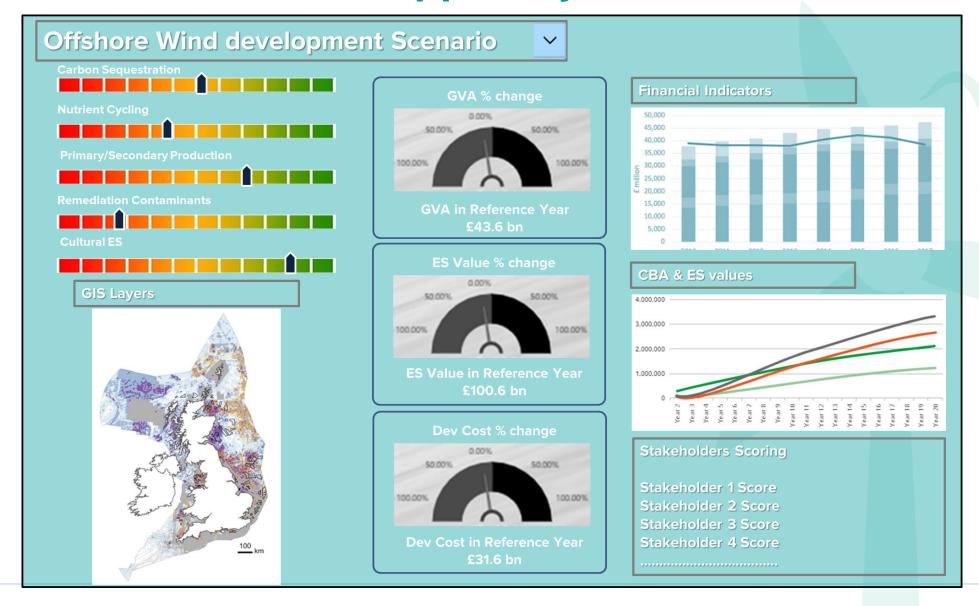












Thank you!

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