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MULTI-USE OF OFFSHORE WIND FARMS WITH LOW TROPHIC AQUACULTURE CAN HELP ACHIEVE THE SUSTAINABILITY GOALS

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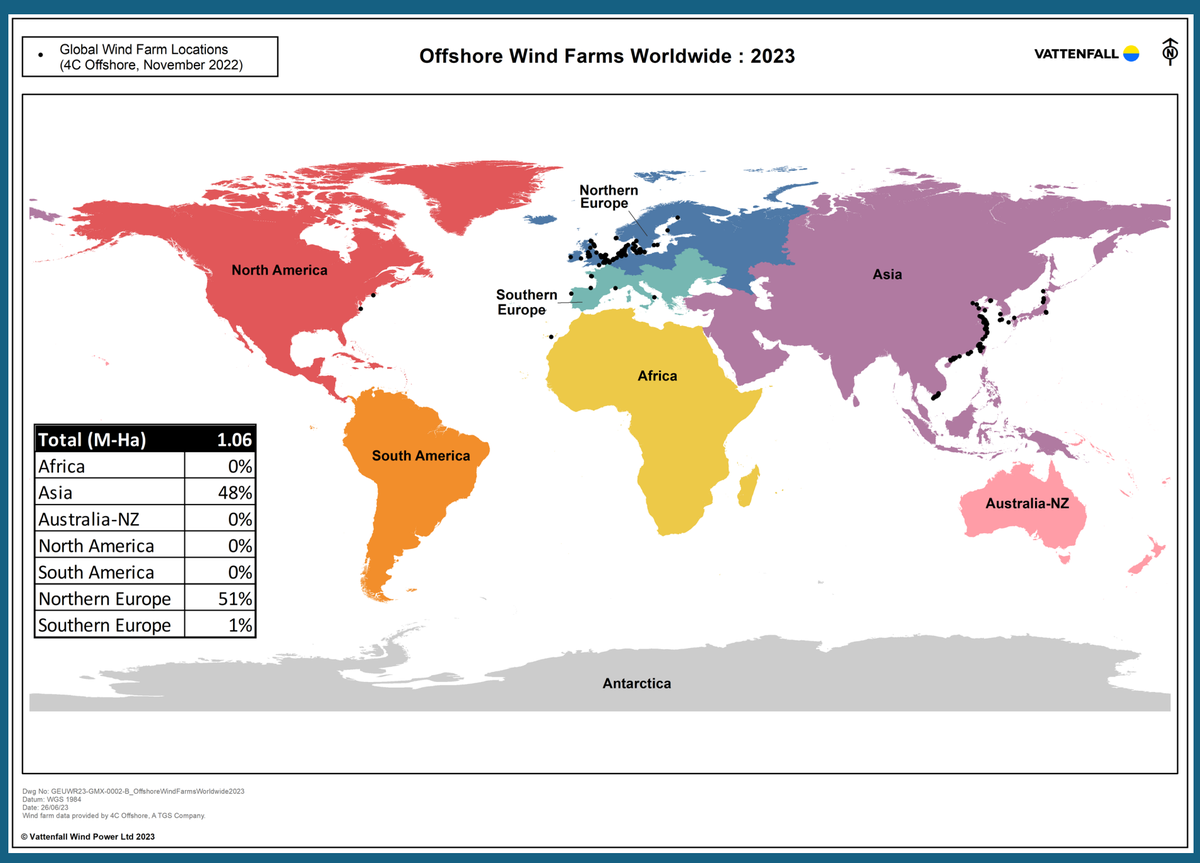
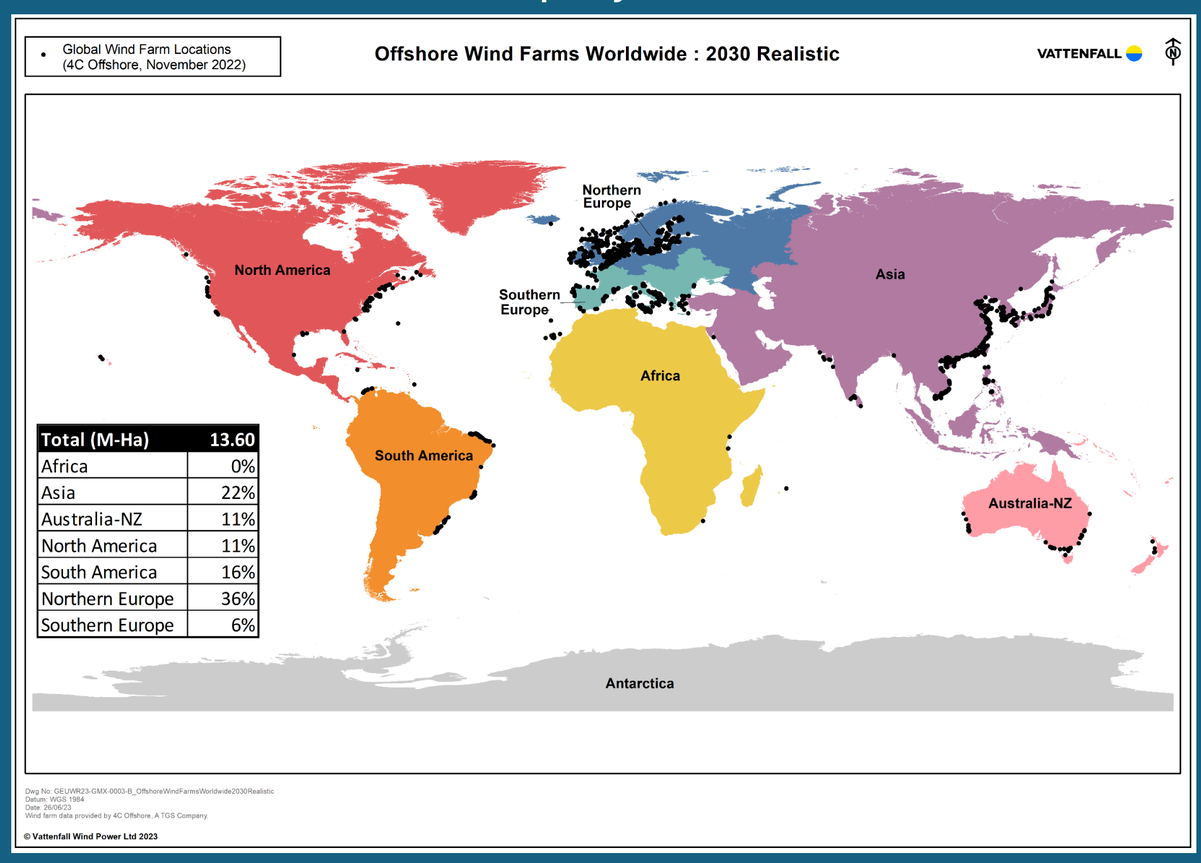
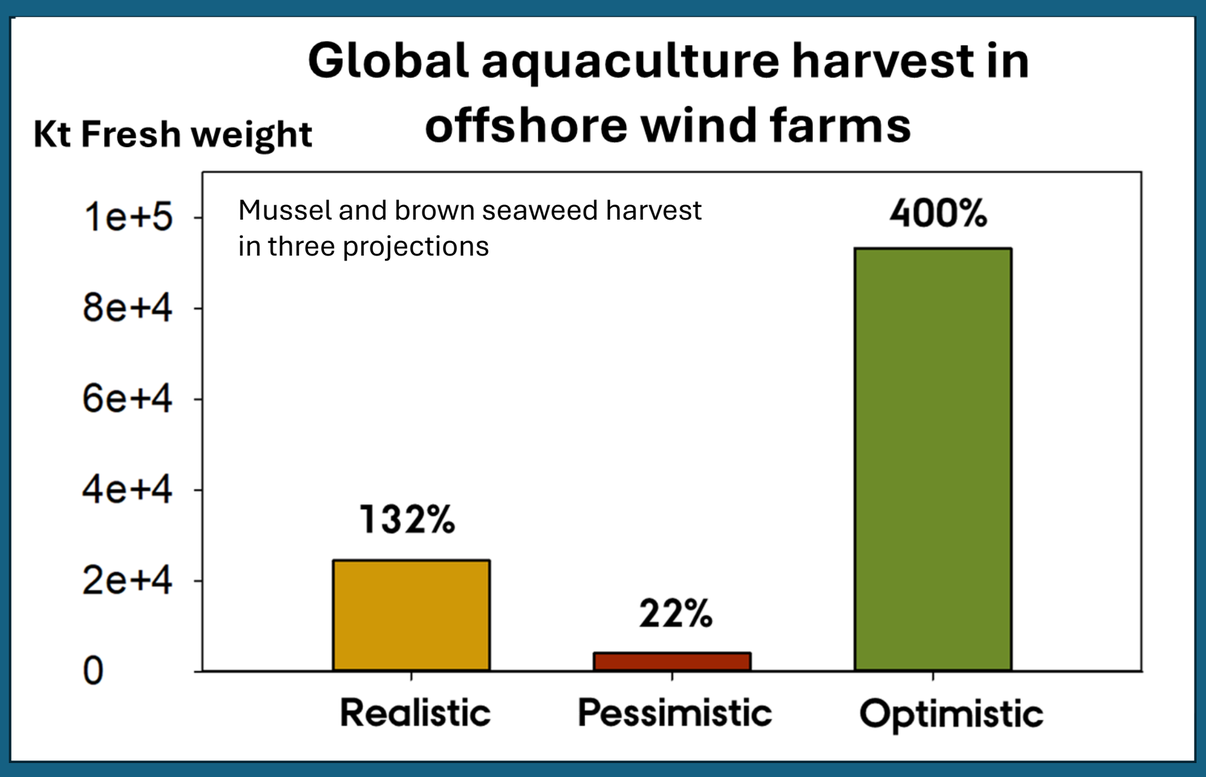
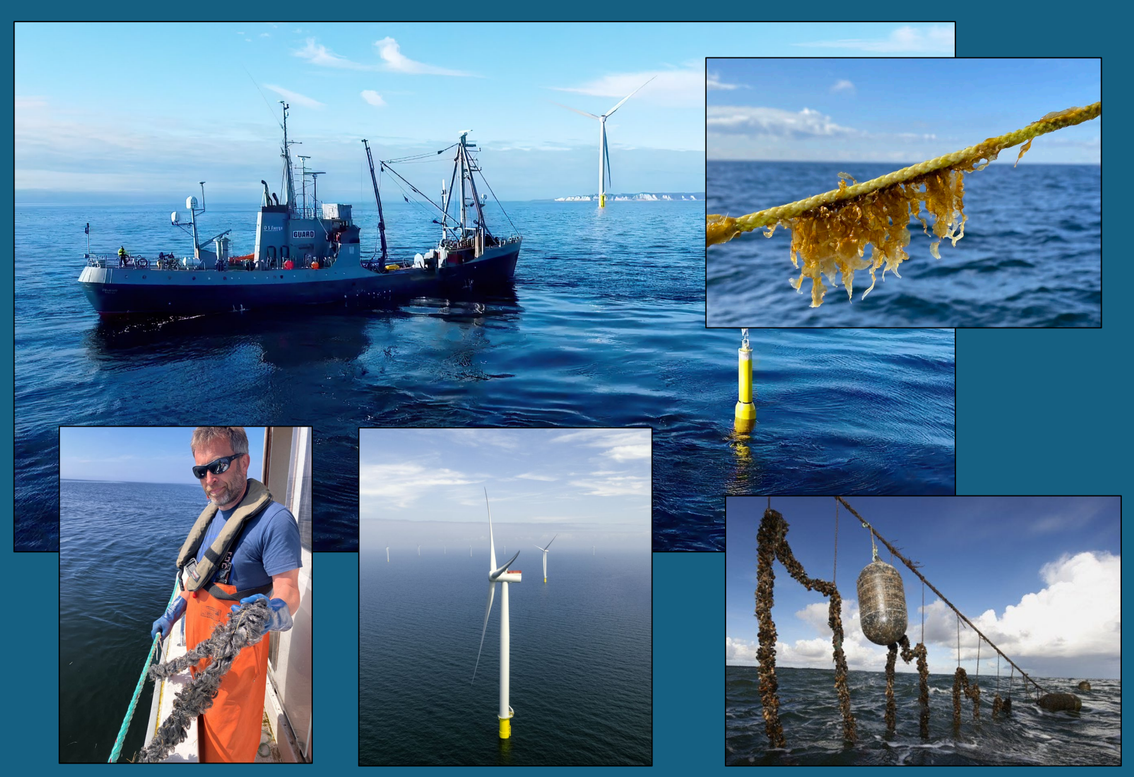
Offshore wind farms year 2023

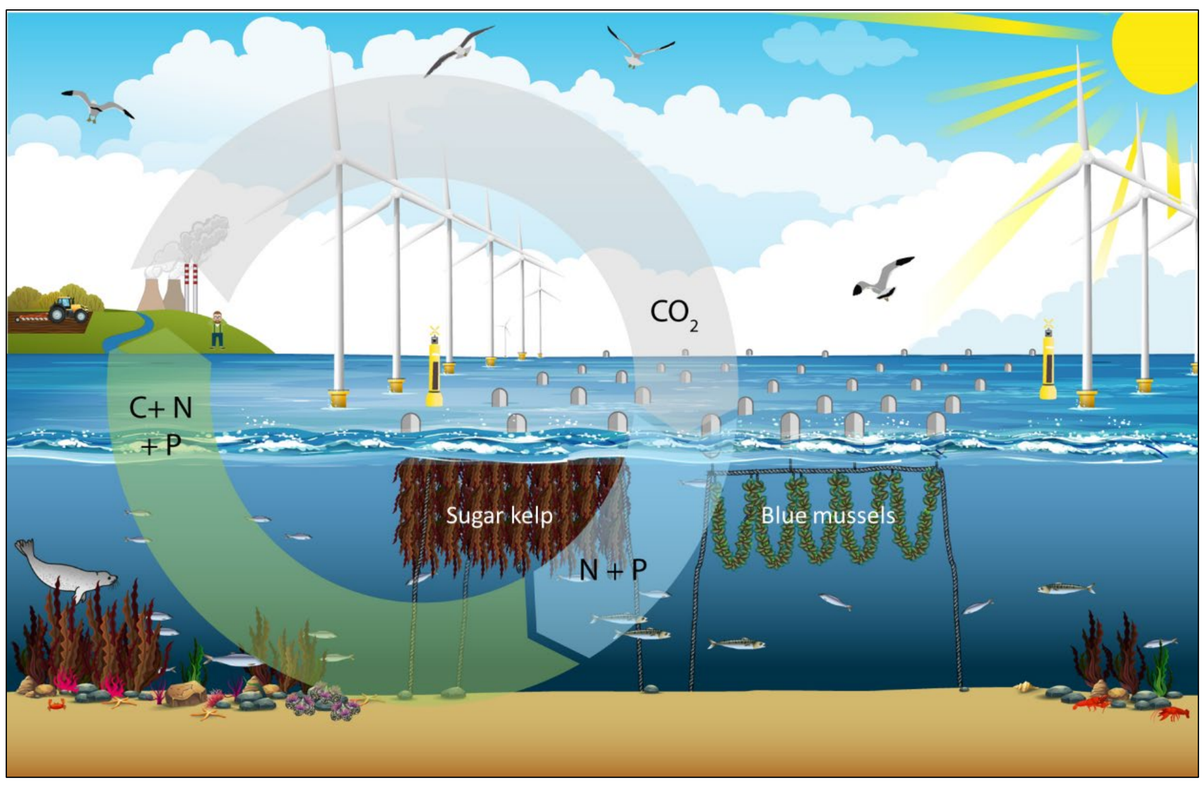


Realistic projection 2030









Benefits

- Concentrated use in confined space
- Leave other areas free (MPAs)
- Less user conflicts offshore
- Joint infrastructure and services
- Emission-free energy
- Better wind conditions
- Nutritious seafood and feed
- Nutrient and carbon capture and utilization
- Improved water quality
- Climate change mitigation

- There is a great potential for multi-use, e.g. combining offshore wind farms with low-trophic aquaculture
- The outcome will support several of the UN Sustainable Development Goals (SDGs)
- But challenges remain and new technologies and approaches are needed

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