

From conflict to coexistence

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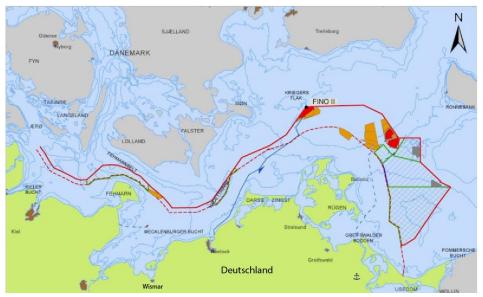
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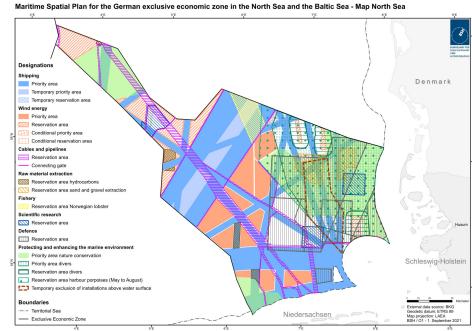
European Parlament, Brussels, December 10th, 2025

Problem



- Marine space is competitive many different users
- The expansion of offshore wind energy poses spatial challenges and opportunities.
- Space limits = Multi-use of space will become necessary!





The Multi-Use Concept



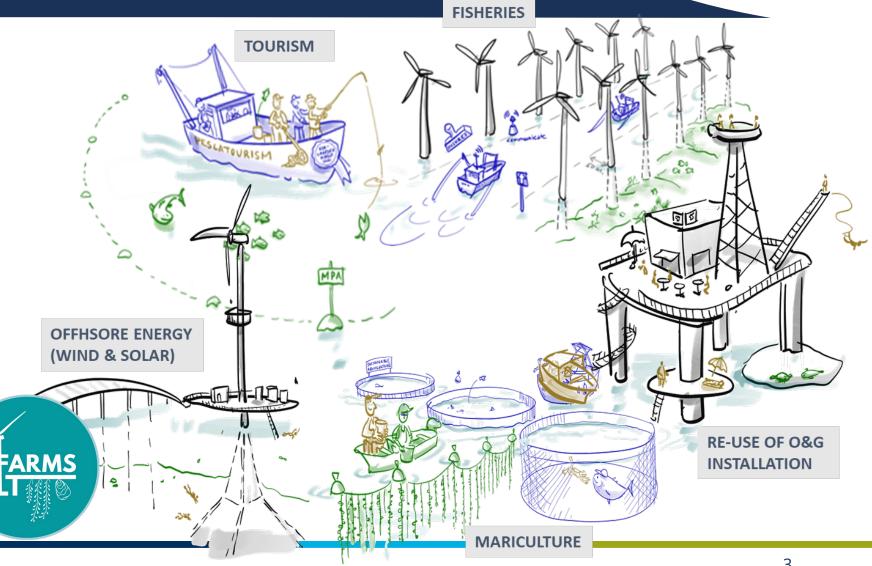
Reduced Demand For Space For All Interests

Environmental Benefits

Socio-Economic Synergies

Efficiency and Cost Reductions

e.g. EU project results from ULTFARMS

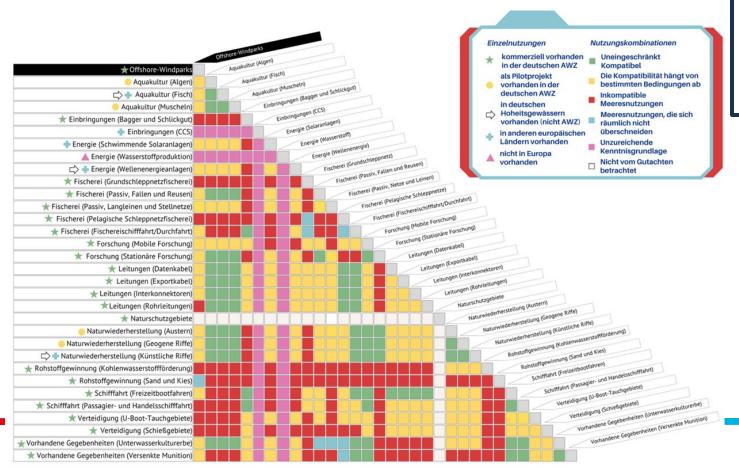


Expert study BSH



Prerequisit: Energy production will not be affected!

Is MU feasible in windparks? More than 500 combinations analysed.



Stakeholder envolvement: Industry, Fisheries, Research, OWP operators, Public, Government



Fisheries, Aquaculture, Nature restoration



Passive
 fishing
(with baskets
 and traps)

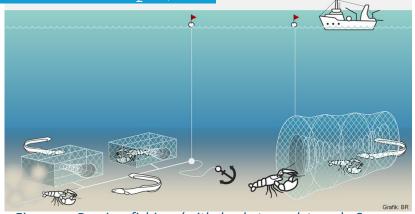


Figure – Passive fishing (with baskets and traps). Source: ARD Alpha, 2022.

Most compatible,

Lowest Risk

solutions

Low-trophic
aquaculture
(algae, blue
mussels & oysters)

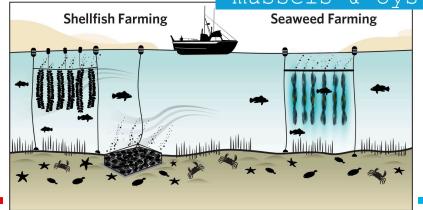
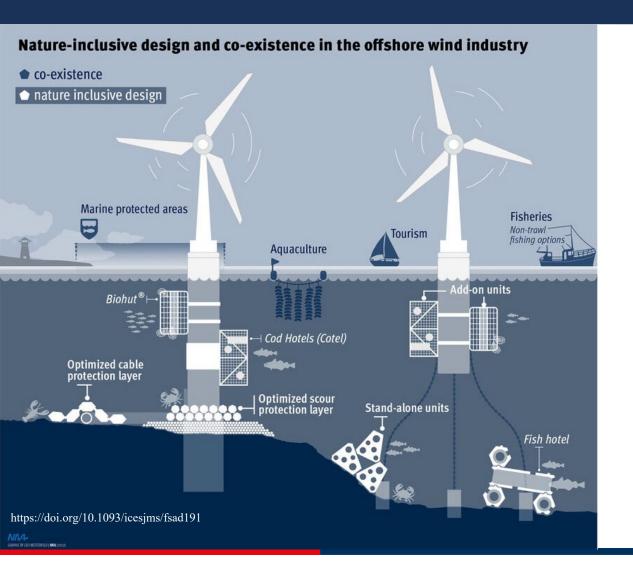


Image – Oysters in oyster baskets. Source: WUR, 2020.



"Multi-use": Biogenic reefs, NID & Offshore Windfarn.





Review of nature-positive actions in OWF

- Rapid rise, mainly in Europe.
- Evidence mostly related to turbine fixed structures and foundations acting as artificial reefs.
- → Need for: Long-term *in-situ* ecological monitoring programs

Social impact on coastal communities





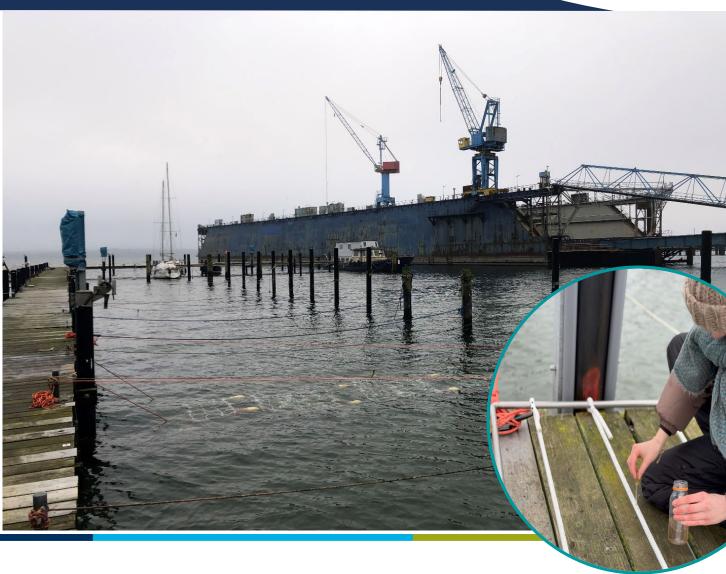
- Integration of small coastal fisheries e.g. Sea
 Rangers, Baltic Sea
- Creating social and economical value : Need for training and skills development
- Job Creatiosn due to:
 - Landbased Back-office, Logistics,
 Infrastructure (Storage), Useage of harbors,
 Processing, Equipment manufacturing

Social impact on coastal communities



- Local community engagement
- School project "How to grow algae offshore "

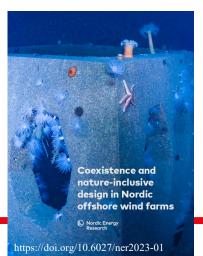




Lessons learned and recommendations



- Co-cultivation enhances resilience and efficiency but depends on compatible species, logistics, and robust structural design.
- Successful multi-use requires early integration of aquaculture into OWF planning, coordinated governance structures, and clear communication pathways.
- Licensing: Harmonizing frameworks is essential for multi-use growth (One Stop Shop)
- Multi-Use can positively influence fisheries (new, novel jobs, focus on passive fisheries) and coastal communities ("Backoffice" of the offshore undertaking- logistics, jobs, education)



Include NID in OWP tender process

Upscaled Multi Use demonstration area is needed

assessment and mitigation of risks (insurances, OPW Operators, Fisheries)

Thank You – Questions?





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