



1st MISSION ARENA
14-16 November 2023 | Gothenburg, SE

Workshop: Creating better links between the different Bioeconomy sectors in Denmark

**THEME: Cross sectoral collaboration between
bioeconomy sectors in Denmark**

in  #MissionArenaBANOS1



Funded by
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Background / History

1. **Huge interest** among Parliament, local governments, NGO'S, citizens for having healthy seas
2. Focus on pollution (nitrogen and phosphorus) in Seas and in land waters in Denmark since 1987 (**VMP 1,2 and 3**). General understanding that excess nitrogen from agricultural sources is one of the main causes of water pollution
3. Later in 1998 focus was expanded to implement the EU **nitrate directive** and plans for sustainable agriculture were implemented.
4. The EU [Water Framework Directive](#) was followed up by Danish law in 2000.
5. **Action plans** with very concrete objectives for the reductions in the nitrate, nitrogen and phosphorus losses. **Monitoring** of all actions has been established
6. **Green Growth (2009)** and new approaches for achieving objectives (focus on technologies like digital farming)
7. Reducing **fishing** capacity (scrapping)
8. **International collaboration** (North Sea countries, Baltic countries)
9. **Bioeconmy** initiatives since 2012 (BBI-JU, CBE-JU, Danish panel...)

Where are we today? (complexity has increased)

- Climate change (mitigation and adaptation) playing an important role in all policies
- Increased investments in offshore wind farms. PtX give rise to new challenges for seas and oceans
- Increased demand for space. Space is limited. Unknown consequences for the environment and biodiversity
- Focus on biodiversity has increased both in policy and in the private sector (EU biodiversity strategy). More initiatives to include biodiversity in policy and business decision,
- Increased demand for bioresources from land and sea. We will see a lack of sustainable bioresources
- Biosolutions from aquatic biomass are getting more demand



Conclusion

- No single initiative or project has the solution. Many transitions needed. **The mission / porte folio approach** is the only way forward
- We can be better to valorise our research
- International collaboration is key
- We need to change the way we eat and behave
- Energy policies, fishery policies and biodiversity can be in conflict. We need energy, food and nature
- cross-sectoral collaboration needed. Relevant ministries, authorities and local governments must be involved in the mission implementation (Mission Hubs)
- **More data, better models and monitoring needed**
- Blue and green sectors in the context of circular Bioeconomy should learn from each other. New alternative proteins for food and feed
- Danish seas, lakes and in land waters are still in a bad condition
- Can we avoid hard regulation CO2 taxes? How and how much?

