BLUE MISSION **BANOS**

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

THEME: Cross sectoral collaboration between bioeconomy sectors in Denmark





Background / History

- 1. Huge interest among Parliament, local governments, NGO'S, citicens 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 follwed 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 initiatieves since 2012 (BBI-JU, CBE-JU, Danish panel...)



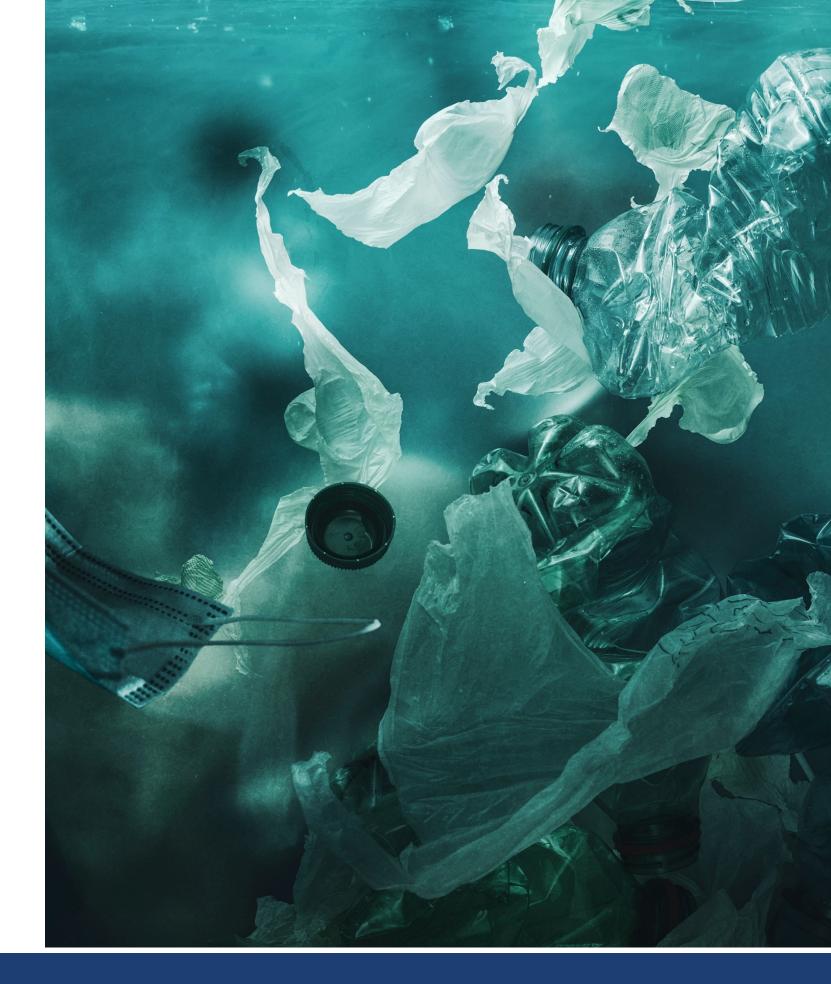






Where are we today? (complexity has increased)

- Climate change (mitigation and adaptation) playing and 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?







