# Marine Spatial Planning in the context of multiple sea uses, policy arenas and actors

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### **Sea Areas – Multiple Functions and Perceptions**

- Increase in number and intensity of sea uses (cf. Fig. 1);
- Increasing number of actors;
- Actors follow different interests, and
- $\succ$  may have different perceptions of areas.

In other words, different actors may look through a different lens onto the same area and at the same



#### issues.

Policy instruments such as Marine Spatial Planning (MSP) are tools to bring these different perspectives together.

In such a context rational aspects of use and profit achieved from the sea are coupled with emotional perceptions, the latter also including unpredictability and danger [1].

http://www.bsh.de/en/Marine\_uses/Industry/CONTIS\_maps/index.jsp

Fig. 1: Existing and perspective uses and nature conservation in the North Sea [2].



## **Conceptual Model of decision-making processes**

Figure 2 describes sea use development as a system of social-ecological interactions from a governance perspective.

- Ecological systems provide ecosystem services;
- Individual actors or specific groups use ecosystem services based on their specific trade-offs;

Fig. 2: Conceptual model describing relevant interactions for the governance of social-ecological systems [3].

- Trade-offs include costs and benefits, but also beliefs, personal values, ethical considerations and individual perceptions of issue and area;
- In the frame of existing regulations and jurisdictions, the decisions of actors affect the existing use pattern, the resulting pressures on the ecosystem and the environmental status;
- Actors and stakeholders are participating in and/or influencing the governance system in discourses, by lobbying or involvement in networks and can influence the rules applied for decision making;
- > In this context power relationships between actors and power resources of individual actors are of significant relevance [4, 5];
- Different forces can dominate the rules and the tools applied, including statutory planning regulations, market forces and civil societal demands.

## Recommendations

- > Take into account interactions at different scales, affecting the institutional and social, as well as the ecological domains;
- > MSP needs either to develop into a broad and inclusive communication process or to become embedded into such processes;
- Differences in society about the meaning of the sea and different perceptions of pressing issues could probably get better recognised when MSP is guided by consensus-oriented long-term visions.

#### References

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