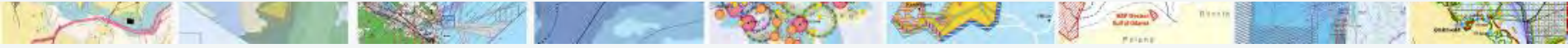




Working group 2: Integration of Socio – economic valuation of ES for MSP

Moderator: Dolf de Groot (Wageningen Univ)

Discussion points (B+C)



B: Integration of socio-economic valuation of ecosystem services into MSP

Ecosystem services (ES) may be quantified by using a variety of approaches.

What are implications of using economic evaluation of ES for the management of marine areas? Could the understanding of space requirements change with the application of monetary indicators? How would they change?

What are existing tools/models that address changes in quality and quantity of ecosystem services provided by marine biodiversity? What indicators are involved?

Which tools/models/ frameworks are required to address user-user or user – environment conflicts in MSP? What indicators/ values should be involved? What role can socio – economic valuation of ES play in the conflict assessment?

Which tools/ methods in your research field can be used to monitor and evaluate effects of a Marine Spatial Plan?



C: Availability of research data for MSP purpose

What kind of databases do you use for data and information management in your field of research? How can they contribute to MSP? What are gaps of these information systems?

What can be the contribution of specific database of economic indicators of ES to MSP? How could this data be collected/aggregated and made available to decision makers?




Development of a generic marine ES framework/typology:

- Baltic Sea
- Marine use - based

Scale and boundaries of the ES

Assessment of offshore ES and major differences compared to coastal ES

ES and eutrophication: Extend of ES assessment from coastal area to Baltic Sea catchment level (land-sea ES assessment?). Definition of eutrophication areas.



Assessment of Total Economic Value from marine areas (direct + indirect use values). The TEV value can be applied as performance indicator for management of a marine area. Do we win or lose natural capital with our management strategy/plan?

Marine InVest Model

Feasibility studies

DPSIR (as engine)

Cultural values assessment:

- Visual properties of coastal landscapes
- Visual impact assessment methods from offshore windfarms, aquaculture, port development (Do cadastral values increase, decrease?)

Conflict assessment -> Tradeoff analysis

- 2 conflicting uses in time and space (2 dimensional problem)
- 3 or n-conflicting uses in time and space (3 or n – dimensional problem)

Assessment of the „efficiency frontier“ of two or more uses -> can I increase a service or productivity of a sea use without creating costs to another?

- Prioritize sea uses

Tradeoff Model (2D)

