

Beaches

part of the Wadden Sea ecosystem

TMAP -working group on beaches and dunes Hamburg

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QSR 2004

- 9.1 Beaches [Mulder, Menn and Janssen]
- Conclusions:
 - there is no information about the actual status of beaches in the Wadden Sea.
 - TMAP does not provide information about beaches
 - An evaluation of the Target cannot be made
 - Urgent need for information and reconsideration of the targets for beaches
 - Growing human impact [coastal defence, climate change, recreation]

QSR 2004

- 9.1 Beaches [Mulder, Menn and Janssen]
- Recommendations:
 - Reconsider targets for beaches
 - Add parameters to TMAP about the status of beaches
 - Use information from research programs

Recommendations Esbjerg 2005

- Gaps in TMAP 3
 - Benthic monitoring should be extended to include beaches...
 - Benthic monitoring should also include the species composition of meiofauna and benthic diatoms
- New insights necessitating adaptations TMAP 12
 - Reconsider TMAP, taking into account identified gaps such as beach parameters

Information from research projects

- BSI good indicator for biological parameters
- Zonation
- Dissipative beaches have a higher biodiversity than reflective beaches
- Adverse effects of recreational activities (driving, mechanical cleaning etc.)
- Adverse effects of coastal defence activities (nourishment etc..)



Information needed

- Ecological Status beaches
 - Geomorphological: BSI
 - Biological: Composition / Zonation
- Human use
 - Coastal defence / nourishment etc
 - Recreational activities / beach cleaning / driving etc.
 - Shoreline / coastal management
- Vulnerability index
- Derive new targets for beaches

Who can provide information ?

- Denmark ?
- Schleswig-Holstein ?
 - (AWI-Sylt Menn)
- Niedersachsen ?
- The Netherlands
 - RIKZ Janssen

