



Seegrass-Conference

Protection & management of seagrass meadows in the Wadden Sea

04.06.2024

UNESCO-Weltnaturerbe Wattenmeer Besucherzentrum Wilhelmshaven

Ab 9:30 Registration, coming together

Start of the event 10:00

10:00 -12:00 Part 1 Condition and load

- 10:00 - 10:15 Welcome
- 10:15 - 10:35 Wadden Sea ecosystem (importance of seagrass, interrelationships and developments, climate, pressures) Stock development and pressures on seagrass stocks in Lower Saxony and Schleswig-Holstein
Dr. Tobias Dolch (Alfred Wegener Institut Sylt)
- 10:40 – 10:55 Overview of the activities of the state of Lower Saxony in the thematic context of seagrass development (requirements and status according to WFD/MSD)
Dr. Dennis Oberrecht (NLWKN Forschungsstelle Küste Norden) & Dr. Sylvia Zaun (NLWKN Brake-Oldenburg)
- 11:00 – 11:20 Pressure on selected seagrass stocks in Lower Saxony compared to Schleswig Holstein
Sebastian Storey (Universität Oldenburg, Institut für Chemie und Biologie des Meeres)
- 11:25 – 11:45 Historical analysis of light availability and turbidity development in the tidal flats and coastal waters of Lower Saxony
Kerstin Stelzer (Brockmann Consult, Hamburg)
- 11:45 – 12:00 *Questions and open discussion with all speakers*

12:00-12:45 Lunch break

12:45 - 14:45 Part 2 Protective measures and restoration of seagrass beds

- 12:45 – 13:05 Framework for action of the Lower Saxon Wadden Sea National Park with regard to the management, protection and restoration of seagrass meadows in the Lower Saxon Wadden Sea area
Verena Merk (Nationalparkverwaltung Niedersächsisches Wattenmeer)
- 13:10 - 13:30 Experiences with Seagrass restauration projects from Denmark (Human Impacts, Environmental Disturbances, and Restoration of Seagrasses)
Dr. Rune Steinfurt (University of Southern Denmark)
- 13:35 – 13:50 Experiences with seagrass restoration in the Baltic Sea using the SeaStore project as an example
Dr. Maïke Paul (Universität Hannover, Ludwig-Franzius-Institut für Wasserbau und Ästuar- und Küsteningenieurwesen)
- 13:50 – 14:05 Habitat modelling as part of the SeaStore project and using an example in Lower Saxony
Prof. Dr. Schröder-Esselbach & Dr. Matteo Lattuada (Technische Universität Berlin Institut für Ökologie)
- 14:10 – 14:30 Seagrass (eelgrass and dwarf eelgrass) restoration in the Dutch Wadden Sea and the Dutch Delta
Prof. Dr. Laura Govers (University of Groningen, Faculty of Science and Engineering)



14:30 – 14:45 Questions and open discussion with all speakers

14:45 -15:00 Coffee break

15:00 – 16:45 Part 3 Interactive part with exchange in small groups

(Part 3 Interactive part with exchange in break out groups)

15:00 – 15:50

- **Break out group 1:** Importance of seagrass - System interrelationships - Causes of pollution - - Monitoring methods
- **Break out group 2:** Practical experience with management, protection and restoration measures for seagrasses
- **Break out group 3:** Methodological approach to the development of protection and restoration measures

16:00 – 16:55 Summary of the findings from the small groups and plenary discussion

16:55 – 17:00 Closing words, conclusion

Moderation: Maike Rademaker