

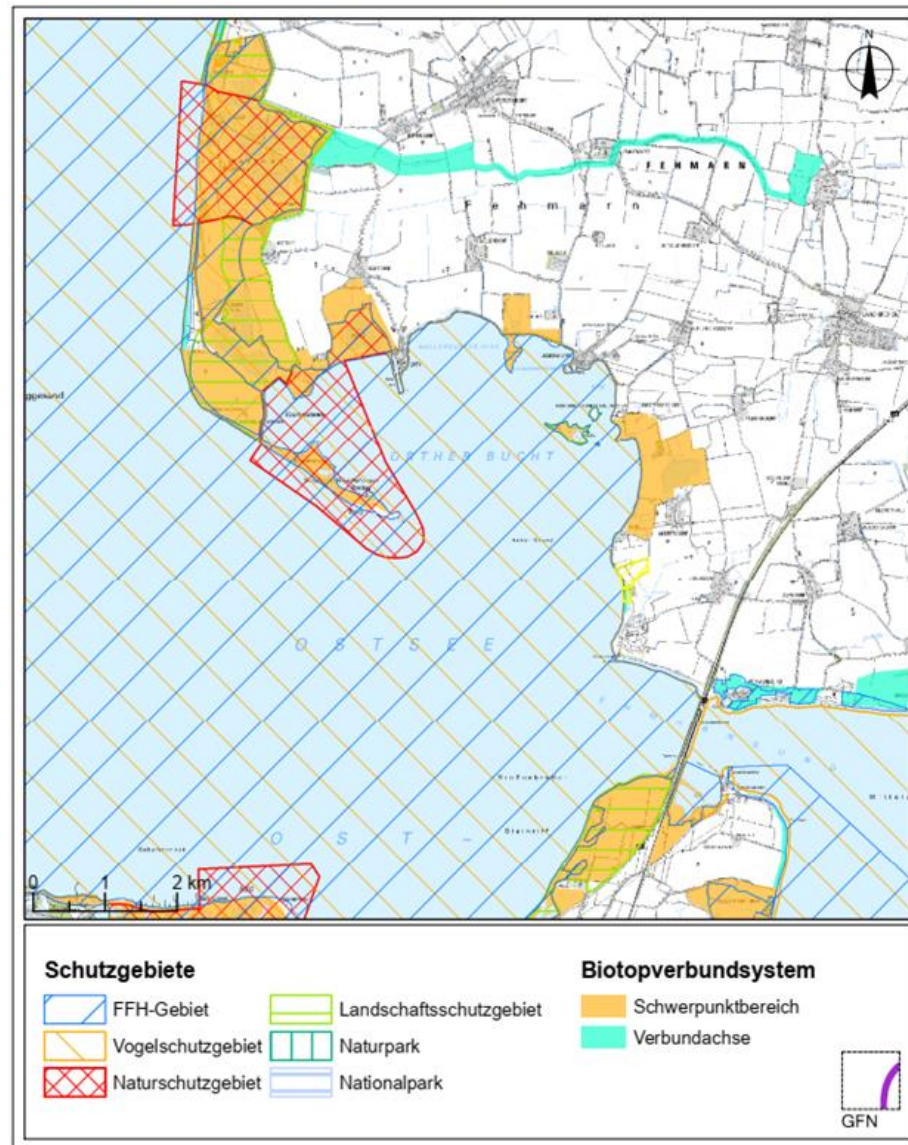
Coastal tourism & coastal environment

Conflicts and possible solutions based on the
example of Orther Bay on Fehmarn

Tackling land-sea interaction on the way towards Blue
Growth in Baltic Sea Region

03.03.2021

Biotope network system - Study area



Starting point and tasks

The Orther Bay

- is an ecologically sensitive area
- with unique aquatic vegetation and
- is an important area for breeding and resting birds

But also

- with high attractiveness for water sports enthusiasts
- During the Corona pandemic conflicts between nature conservation and water sports activities have increased even more.

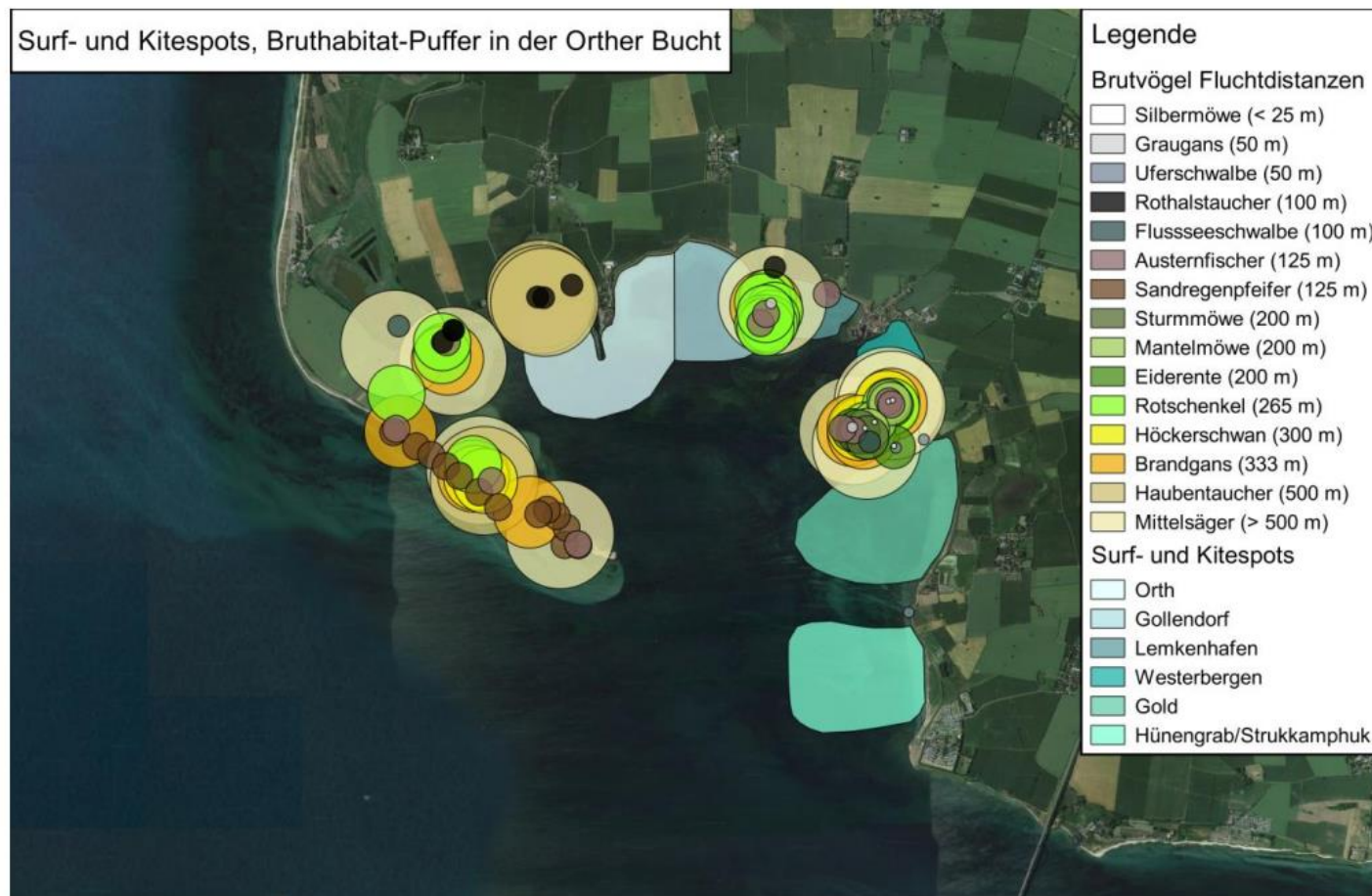


Conflicts between underwater vegetation and watersports



Conflicts between breeding birds and watersports

Abbildung 18: Wassersportzonen & Brutvögel Fluchtdistanzen in der Orther Bucht



Macrophyte mapping transects in the Orther Bay



Results of the stocktaking

- The algae population is present and largely intact in the entire area despite intensive water sports
- The only exceptions are the direct entry areas
- However, measures are to be taken to fix water sports at the current level/no further increase
- The entry areas should be protected
- Water sports enthusiasts must be notified when they are approaching the protection zones.

Ruppia Cirrhosa



Charaphyceae



Conflict resolution measures

- Capacity limit will be defined (water sports, tourism and nature conservation will together define this capacity limit)
- Construction of aids for entry into the water, e.g. ramps, for the protection of underwater vegetation in the shore areas
- Reduction of parking spaces according to the defined capacity limit, especially at the kite hot spots
- An App (Surfers Island App) guides to the optimal but still free spots for the respective wind. The App offers the possibility to guide kites and surfers to different spots.
- Using the LoRaWAN-technology (Low Power Wide Area Network) in order to signal the surfers or kites, that they are entering a restricted area to minimise the potential for conflict between water sports and nature conservation

Our project homepage: www.land-sea.eu

Look up and follow us on social media [#LandSeaAct](#)

Beate Burow

Environmental Department of
Fehmarn Municipality, Germany

Thank you!



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Stadt Fehmarn



TALLINN UNIVERSITY

Holbæk
Kommune



LÄNSSTYRELSEN
VÄSTRA GÖTALANDS LÄN
County Administrative Board



GÖTEBORGS
REGIONEN



Hamburg Institute
of International
Economics