LEIBNIZ INSTITUTE FOR **BALTIC SEA RESEARCH**

Why using Secchi Depth?

- > standardized, cheap & easy method
- \succ used for a century with a high spatial resolution in the Baltic Sea
- > Water transparency is a proper proxy for water quality:
- Indicator for eutrophication
- Crucial for the transition to a macrophytes-dominated ecosystem
- Improved water transparency creates strong benefits for many aspects of ecosystem diversity and function
- Related to bathing water quality (potentially pathogenic bacteria are sensitive to UV-light)
- Impact on socio-economic aspects like tourism and aesthetic perception





Fig.: Oder Lagoon turbid water. Copyright: IOW (coastal WG)

Observational data provided by:

- LUNG-MV: State Agency for Environment, Nature Conservation and Geology Mecklenburg-Vorpommern
- LLUR-SH: State Agency for Agriculture, Environment and Rural Areas Schleswig-Holstein
- Wojewódzki Inspektorat Ochrony Środowiska
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0,65 - 1,15	2,	6 - 3,0	4,0
1,85 - 2,6	3,	45 - 3,7	5,0



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