

Proceedings of the 8th Symposium of the Baltic Marine Biologists - Recent changes in the Baltic ecosystem

Marine Biological Laboratory - Oxygen conditions improve when the salinity in the Baltic Sea decreases



Description: -

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Eastern Baltic cod recruitment revisited—dynamics and impacting factors

Vierter Bericht der Commission zur wissenschaftlichen Untersuchung der deutschen Meere in Kiel für die Jahre 1877 bis 1881 7. Low abundance of older cod in combination with relatively high abundance of juveniles would imply that mortality must be substantially higher than previously anticipated. Available at: HELCOM 2018an : Population trends and abundance of seals HELCOM core indicator 2018.

Predation by herring (*Clupea harengus*) and sprat (*Sprattus sprattus*) on *Cercopagis pengoi* in a western Baltic Sea bay

Available at: HELCOM 2018z : Tributyltin TBT and imposex HELCOM core indicator 2018. The increasing trend in the Arkona Sea continued in the 1990s.

Reduced growth in Baltic Sea cod may be due to mild hypoxia

Summary plot of significant trends in mean biomass by station and season for diatoms, dinoflagellates and cyanobacteria, exemplified by the LOESS smoother. Due to lack of major Baltic inflows and reduced salinity and oxygen, spawning conditions for the Eastern Baltic cod in these basins have deteriorated since the early 1980s ;

Long

STORE, 2003, BIO-C3, , which may have the necessary spatial and temporal resolution, do cover only few years and national data are often not available in international databases. Storr-Paulsen 2015 : Eastern Baltic cod in distress: biological changes and challenges for stock assessment. Reibisch J 1902 Die Ostsee-Expedition 1901 des Deutschen Seefischerei-Vereins.

Understanding Human Impact on the Baltic Ecosystem: Changing Views in Recent Decades on JSTOR

In general, the spatio-temporal abundance and biomass dynamics, both intra and inter annual, observed in the distribution pattern of the cladoceran, matches well with its occurrence in the stomachs of its predators.

The Baltic Sea > Seafloor deposits and sediments reveal the

Examples from the Aland Islands and the Archipelago Sea, northern Baltic Sea. Recent investigations have documented a marked increase in prevalence and intensity of infestation for both parasites Figure , compared with the 1980s when seal abundance was lower ; ; . Cannibalism One of the major fish predators on cod is cod; cannibalism on juveniles is well documented in many Atlantic cod stocks e.

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