

## Les reserves energetiques de Mytilus edulis : Comparaison des strategies developpees dans la baie de Gdansk (Pologne) et le bassin de Marennes Oleron (France)



Physiological processes of two populations of *Mytilus edulis* from the Atlantic coast (Marennes-Oleron, France) and from the Baltic coast (Gdansk, Poland) are compared. These parameters are discussed according to the physiological state of the populations (gametogenesis, spawning) and to the environmental abiotic (temperature, salinity) and biotic measurements (seston, chlorophyll). Two periods induce the use of energetic reserves from the flesh. The first one is due to the reproduction period (between February and May in the Bay of Marennes-Oleron and during June-July in the Bay of Gdansk), the second one to the bad winter trophic conditions. The physiological answers of these two populations during the two periods shows that different strategies take place. The mussels from Marennes-Oleron have a metabolism which is essentially based on carbohydrates, on the contrary, the mussels from the Bay of Gdansk develop a lipidic metabolism.

**Auteurs du document :** Deslous, P, Wolowicz, M, Boromthananat, S

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