

## BOTTOM SEDIMENTS AS LOCAL GEOLOGICAL HAZARDS. ESTIMATION AND RECOURSE MANAGEMENT

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**Idea: Bottom sediments can be considered as local geological hazards. The risks of bottom mud pollution are increasing in the territories of industrial agglomeration. It is necessary to work out the measures for mitigation and restoration the waters objects activity**



### Pond Bottom

1. Management practices influencing the load and decomposition rates in ponds include water exchange, sediment removal, aeration, fallowing period between crop cycles and liming.
2. In case of ponds using for fish farming the water is drained just after fixing of significant silting of these water objects. After that, the bottom of the pond passes the stage of phytomelioration and phytoremediation.
3. In case of small rivers and artificial canals, the bottom is cleaned and mud can be used to increase the fertility of marginal lands.