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A NEW CONCEPT FOR THE USE OF SYNERGIES
IMPROVING THE OPERATION OF WATER MANAGEMENT WITH AGRICULTURE

Key words: organic fertilizers, protection of water ecosystems, water management

Summary

The development of production in agriculture depends on the availability of water and organic substances contained in the soil. Appropriate linking of these two important conditions requires a synergistic long-term strategy, taking into account formal funding opportunities from the European Union's aid funds. Currently, the conditions for the availability of these resources are particularly beneficial and hence the concept of using fertilizer valuable bottom sediments reducing the retention capacity of water reservoirs (up to 80%) and increasing the water retention of the soil and its resources in organic substances. Implementation of the above-mentioned concept requires the implementation of currently developed in the model version of the technology of extracting sediments from water reservoirs, and then their processing into organic fertilizers with properties similar to manure. In addition, the use of this technology reduces the risk of water eutrophication in water ecosystems, which will be more intense with climate change in Poland.