

## **Raciborz Flood Reservoir**

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**SYNOPSIS.** The river Odra, which rises in the Czech Republic and discharges into the Baltic, suffered an extreme flood in July 1997 which was responsible for the loss of 50 lives and over a billion dollars worth of damage in southern Poland. The return period of the flood is variously estimated between 250 and 1000 years.

The paper describes the studies for a flood reservoir to be constructed on the Odra just upstream of the ancient town of Raciborz. These studies include the hydrological studies, the hydrodynamic modelling of a 220km stretch of the river where most of the damage occurred, flood damage studies both with and without the proposed reservoir, environmental impact assessments and resettlement plans, in addition to the engineering studies of the dam itself.