



Influence of water barrage operation on changes in hydrological regime of the river below

Michał Habel

Kazimierz Wielki University, Institute of Geography, Bydgoszcz, Poland (mihab@o2.pl, +48523496250)

At present dams are the cornerstones in the development and management of water resources development of a river basin. The multipurpose dam is a very important project for developing countries, because the population receives domestic and economic benefits from a single investment. But, regardless of the size of the river, its course or climate zone in which it functions, construction of a water barrage constitutes the strongest possible interference in the fluvial system. Development of structures regulating the river course appears to play equally significant role and both these elements cause drastic changes in hydrological phenomena and clastic load transport, which, as a result, may lead to formation of a different channel type.

The session is intended to discuss while assessing the influence of the large dam on the water stages regime of the lowland river in particular, how bad technical condition of the dam could affect water management of the river below.