

Living rivers: a driver for sustainable regional development

Online Thematic Workshop, 27 May 2021





The role of nature-based solutions in the restoration of the Sokołówka river, Lodz, Poland AQUARES

• Description

- Sokołówka river small urban river (average flow rate of 0.17 m³/s), hydrological is dominated by stormwater and meltwater, partially channelized, mixed catchment use
- The river is dammed by a cascade of retention ponds, of recreational use
- Challenges: hydrological stress, water pollution, cyanobacteria blooms, restriction of recreational use, low ecological status
- Need for efficient stormwater channel retention and purification

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• Results



SSBS removes: 61.4% of TSS, 37.3% of TP, 30.4% of PO₄³⁻, 46.1% of TN, 2.8% of NH₄, 44.8% of NO₃ and 64.0% of CI

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Thank you!

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