## Impact of river restoration on hydromorphological process: the River Flinta as a case study

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## **ABSTRACT**

This paper deals with problems related to the improvement of the hydromorphological conditions of the river Flinta in its sections located in a Natura 2000 area. Based on a comprehensive study of the hydromorphological status of the river, four sections have been selected, where restoration measures can efficiently improve the river habitat conditions. For each of these sections we propose a set of technical and biological measures. One of the proposed solutions, investigated as a pilot project, was to construct plant barriers (sediment traps – vegetative baskets). Systematic measurements were carried out during one and a half year. These measurements provided information on the possible consequences of such actions in terms of hydromorphological changes.

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