
WG ECOSTAT Report on Common Understanding of Using Mitigation Measures for Reaching Good Ecological Potential for HMWBs (Part 3)

Impacted by drainage schemes

Publication

Report

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Vartia K, Beekman J, Alves M, van de Bund W, Bussettini M, Döbbelt-Grüne S, Halleraker J H, Karottki I, Kling J & Wallentin J (authors), Rouillard J, Kampa E, (eds), WG ECOSTAT report on common understanding of using mitigation measures for reaching Good Ecological Potential for Heavily Modified Water Bodies, EUR 29132 EN, Publications Office of the European Union, Luxembourg, 2018, ISBN 978-92-79-80305-5, doi:10.2760/444293, JRC110959.

Hydromorphological alterations for drainage are widespread pressures on water bodies in Europe. Because of the importance of the water uses relying on drainage schemes, such as agriculture and urban areas, not all necessary restoration measures can be taken without significant adverse effect on the water use. Therefore many of the affected water bodies have been designated as heavily modified (HMWB). Still, in a substantial number of these water bodies, some mitigation measures should be taken to reach Good Ecological Potential (GEP). The report, edited by Ecologic Institute's Dr. Eleftheria Kampa and Dr. Josselin Rouillard, is available for download.

This report presents responses of European countries on a detailed questionnaire distributed in 2015 on the impacts of land drainage on the water environment and the measures that can mitigate those impacts. A key objective of the questionnaire was to compare the understanding of impacts caused by drainage to continuity, hydrological regime, morphological alterations and aquatic biology. Information was requested on

1. national definitions of drainage and existing guidelines,
2. water uses and regulatory regimes linked to drainage,
3. hydromorphological alterations due to drainage and their assessment, and
4. mitigation measures.

A list of mitigation measures and their definition is presented. In total, 20 countries responded to the

questions on land drainage.

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Keywords

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