

HyMoCARES Project

WPT4 IMPLEMENTING THE HyMoCARES APPROACH INTO ACTUAL PLANNING, MANAGEMENT, OPERATIONAL PROCESS

O.T4.2 Legislative/regulatory revision proposals based on the HyMoCARES approach

Project: HyMoCARES

Work package: WPT4 Implementing the HyMoCARES approach into actual planning, management, operational processes

Project output: O.T4.2 Legislative/regulatory revision proposals based on the HyMoCARES approach

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Legislative/regulatory revision proposals based on the HyMoCARES approach

HyMoCARES WPT4 is devoted to ensure the uptake by target groups of methods/tools developed in WPT1, T2, T3, thus fostering tangible real scale benefits within the project time frame. This can be attained identifying specific planning steps, administrative/management/operational procedures, as well as existing legislative/regulatory revision processes where the HyMoCARES approach can be implemented and working directly with groups of final users to define how project outputs can be successfully applied.

This document collects the essential elements of a series of amendment proposals, based on the ES approach developed in HyMoCARES, to specific legislative/regulatory revision processes in partner countries/regions, fostering durability of project results. Thanks to the involvement of relevant observers and the direct participation of project PPs, the approach developed in HyMoCARES will feed existing legislative/regulatory revision processes (e.g.: on national laws and regulations on sediment management, hydropower concessions, WFD implementation through WFD-CIS working groups, etc.).

The following table contains, in addition to the proposed amendments developed during the HyMoCARES project, also other regulations/legislation for which it is expected to provide revision suggestions in the future based on the project experience (in red font).

Country	Type of document	Recipient(s)	Main content / links to HyMoCARES tools	Contact person
Italy	Letter with technical annex	ISPRA - Italian Institute for Environmental Protection and Research. The Institute acts under the policy guidance of the Italian Ministry for the Environment and the Protection of Land and Sea and plays the role of technical consultant.	Technical suggestions on the content of the new national decree regulating reservoir management plans (i.e. obligatory plans to be drafted by dam/reservoir managers). The main change in comparison to the previous decree is switching from a focus on mitigating the impacts of releasing fine sediments downstream during flushing operations, to exploiting reservoir management as a hydromorphological restoration tool, focusing on longitudinal continuity for coarse sediments.	Andrea GOLTARA – CIRF a.goltara@cirf.org

Italy	Letter with technical annex	Autonomous Province of Bolzano, Environmental Agency – Office for Water Protection. The Environmental Agency is responsible for monitoring-programmes and conservation of water bodies and has to suggest how to improve water bodies that not achieve a good ecological and/or chemical status.	Technical and formal suggestions on the text of the new “Piano di Tutela delle Acque” (Water protection plan), which identifies the environmental objectives and the necessary measures for the achievement of qualitative and quantitative objectives for water bodies of public interest in the Province of Bolzano. The focus was on how to integrate hydromorphological management in the set of measures foreseen in the plan.	Nicola MARANGONI – Civil Protection Agency (Autonomous Province of Bolzano) nicola.marangoni@provincia.bz.it
Italy			The Italian Partners expect that in the near future the HyMoCARES experience can be taken into account to suggest amendments to the Italian legislation on “soil and rock excavation” (“Terre e rocce da scavo”, DPR 120/2017) in order to introduce more targeted regulations on sediment management in riverbeds and to simplify morphological restoration measures.	
France	Letter with technical guide	Agence de l’Eau Rhône Méditerranée Corse. This agency is responsible for the implementation of the WFD in the Rhône catchment. In order to do that, they need to improve their knowledge on alpine rivers, especially regarding ecological status and ES.	The HyMoCARES approach was suggested for the implementation of the coming SDAGE (Schémas Directeurs d’Aménagement et de Gestion des Eaux – Water management plans) 2022-2027. This would allow to integrate a monitoring/follow-up protocol before and after the implementation of river management/restoration measures, by using tools collected and developed in HyMoCARES.	Isabelle CHOUQUET - Département des Hautes-Alpes Isabelle.chouquet@hautes-alpes.fr Romain GAUCHER - Département des Hautes-Alpes romain.gaucher@hautes-alpes.fr

		According to this reasoning, the government can deliver financial support to the restoration works following the WFD. This process determines the choices by local river managers.	Moreover, the use of the ES framework would help the river managers to assess the ES impact of possible river restoration measures.	
Germany	Letter with legal and technical annex	LFV Bayern is part of the licensing procedures for hydropower plants, river management as the Danube channelization and more, hence the need for tools on environmental impact prognosis is urgent. The ES assessment tools are a chance for environmental managers to get impact prognosis and standardized data to achieve comparable results.	Legal and formal suggestions on environmental impact assessment in planning and authorization procedures. Implementing ES assessment framework in the planning stage and in impact analyses for the prediction of effects on the (aquatic) environment.	Felix REEBS – Landesfischereiverband Bayern felix.reebs@lfvbayern.de
Slovenia	Letter with technical annex	Ministry of the Environment and Spatial Planning of the Republic of Slovenia	Handbook proposal to identify and spatially implement the green infrastructure as recognized by the EU in 2013. The area defined as area of green infrastructure is based on the identification of the ecosystem services within the project area.	Luka JAVORNIK - Inštitut za vode Republike Slovenije luka.javornik@izvrs.si Sašo ŠANTL - Inštitut za vode Republike Slovenije saso.santl@izvrs.si

Austria	Technical guide	Ministry of Sustainability and Tourism	<p>The content of the proposal are suggestions on how to implement the guidelines of the “Nationale Gewässerbewirtschaftungsplan”: Based on tools and informations developed, collected and presented via the HYMoCARES Online Interactive Framework, the catchment-scale boundary conditions (especially sediment connectivity) should be considered in the development of the GE-RM (“Gewässerentwicklungs- und Risikomanagementkonzepte”, English: “River Development and Risk Management Concepts”).</p> <p>The proposal should be considered now because the ongoing project LIFE IP IRIS AUSTRIA (LIFE IP Integrated River Solutions in Austria) elaborates, tests and implements the GE-RMs in pilot regions, which is the chance to consider HYMoCARES results. The HyMoCARES approach could be implemented by conducting the exemplified monitoring approaches and the developed or collected tools for analyzing the river’s hydromorphological status and trajectory, and by considering the cumulative effect of sediment retaining structures in the catchment. Particularly, the creation of a map showing the sediment connectivity of all river reaches is suggested for a holistic management of the entire river systems.</p> <p>Another opportunity for</p>	<p>Helmut Habersack helmut.habersack@boku.ac.at Mario Klösch mario.kloesch@boku.ac.at - University of Natural Resources and Life Sciences, Vienna, Department of Water, Atmosphere and Environment, Institute of Hydraulic Engineering and River Research</p>
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			considering the HyMoCARES outcomes in regulatory revision is the current revision of the Nationale Gewässerbewirtschaftungsplan, which is prepared for the period 2021-2027, where the HyMoCARES concept of ecosystem services should be integrated.	
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