

Collection of methods, tools and devices for webpage/Wiki

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Background

Work Package 4 in FIThydro will collect and present measures to mitigate impacts from hydropower on fish. We plan to develop a public webpage or Wiki to enable users to find information and guidance for selecting the best mitigation measures. The first step towards this was the [deliverable 4.1](#), a report that guides the hydropower operators and the environmental managers to select the right mitigating measure. The report classifies the measures according to the problem at hand, describes how they work, what fish communities they are targeted at and how certain it is that they work as intended. The content of the report will be used as base for the webpage/Wiki. For each measure, there is a link to Methods, Tools and Devices (MTDs) that can be used during the different phases of planning, construction/implementation and maintenance/monitoring of the measure. These MTDs can be well-known and widely applied such as HEC-RAS hydraulic model, sediment traps, excavators or pressure sensors. However, new MTDs are also being developed as part of FIThydro, and these cases should have additional documentation. If other MTDs developed outside of FIThydro are new and/or poorly documented or known, it could be beneficial to write a description of those as well.

Our understanding of the **SMTD** (Solutions, Methods, Tools and Devices) concept is:

- Solutions – these are the overall concept for how to solve or mitigate a problem
- Methods – these are typically descriptions in how to develop and implement mitigating measures (solutions)
- Tools - these are methods embedded in for instance a computer program / a model
- Devices – these are typically physical instruments or equipment used to measure and/or control, something related to the measure

The solution is the measure itself, which will have different or similar MTDs for three stages of the implementing measures: planning, construction/implementation and maintenance/monitoring.

Work Package 2 and 3 in FIThydro are working to develop, test and use method, tools and devices. A detailed description of many MTDs are given in the [deliverable 2.1](#).

We are now reaching out to all partners working with MTDs to describe each MTD in a systematic way and to provide guidance to which mitigation measure they can be used for.

As the MTDs may be applied to different measures or at different phases of implementation, the description should be kept generic. The description should be in the range of 2-3 A4 pages, including pictures, illustrations and references. The more pictures and illustrations, the better. Not only do they help understanding significantly, but they will make a future wiki/website much more pleasing to look at and interact with. Please make sure to include copyright information for pictures and illustrations.

Please follow the attached template for providing information about methods, tools and devices used or developed in FIThydro. An example of a description of the tool COSH Tool is also given.