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## **Name of measure**

**Category of measure:** [choose from Environmental flows; Habitat; Sediment management; Downstream fish migration; Upstream fish migration]

*Ca ½-1 page description of the measure. Include briefly some information about application of the measure with reference. Include also a picture or illustration that gives a good first impression of the measure.*

## **Methods, Tools and Devices to use during planning**

*Describe how you would plan the measure and what methods, tools and devices that can be used during planning. Illustrate with examples or graphs. Ca 1 page.*

## **Methods, Tools and Devices to use during construction and implementation**

*Describe how you would construct and implement the measure and what methods, tools and devices that can be used during construction and implementation. Illustrate with examples or graphs. Ca ½-1 page.*

## **Methods, Tools and Devices to use during maintenance and monitoring**

*If the measure needs maintenance, describe what methods, tools and devices that can be used for maintenance. If the measure can be monitored for function, efficiency, operation, etc, describe what methods, tools and devices that can be used for this. Illustrate with examples or graphs. Ca ½-1 page.*

## **References**

*List of references cited in the text.*

**Classification of the measure [write name of measure]**

Use the table below and fill in relevant information. Delete entries (selections) not suitable (formatting is not important).

<b>Classification</b>	<b>Selection (multiple)</b>
Fish species for the measure	Single or groups of fish species in Europe
Does the measure require loss of power production	Operational (requires flow release outside turbine)
	Operational (requires flow release through turbine)
	Structural (requires no additional flow release)
Recurrence of maintenance	Never
	Daily
	Weekly
	Yearly
	Less often than yearly
	Irregular at events
Which life-stage of fish is measure aimed at	Spawning / Recruitment
	Juveniles
	Adult fish
	Movements and migration of fish
Which physical parameter is addressed	Barriers
	Flow quantity
	Flow variations
	Substrate and hyporheic zone
	Water temperature
	Ice
	Water velocity
	Water depth
Hydropower type the measure is suitable for	Plant in dam
	Plant with bypass section
Dam height (m) the measure is suitable for	Up to 10
	Up to 20
	Up to 50
	Higher than 10
	All
Section in the regulated system measure is designed for	In dam/power plant
	Upstream of hydropower plant
	Bypass section
	Downstream outlet
River type implemented	Steep gradient (up to 0.4 %)
	Fairly steep with rocks, boulders (from 0.4 to 0.05 %)
	Slow flowing, lowland, sandy (less than 0.05 %)
Level of certainty in effect	Very certain
	Moderately certain
	Uncertain
	Very uncertain

Technology readiness level	TRL 1: basic principles observed
	TRL 2: technology concept formulated
	TRL 3: experimental proof of concept
	TRL 4: technology validated in lab
	TRL 5: technology validated in relevant environment)
	TRL 6: technology demonstrated in relevant environment)
	TRL 7: system prototype demonstration in operational environment
	TRL 8: system complete and qualified
	TRL 9: actual system proven in operational environment