## 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).*

|  |  |
| --- | --- |
| **Classification** | **Selection (multiple)** |
| 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 |