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Pierre-Jacques Frank

Fish migration facilities at hydropower plants and challenges facing river habitats

Forum Da Vinci | 6, bd Grande Duchesse Charlotte, Luxembourg | June 7 | 6 pm
Please sign up at info@davinciasbl.lu

Pierre-Jacques Frank

Education

- Studies of civil engineering at Karlsruhe Institute of Technology, Karlsruhe, Germany
Diploma Thesis „Optimization of the additional water supply distribution for the Fishpass Geesthacht on the Elbe River“
- Doctoral Dissertation at VAW, ETH Zurich, Zürich, Switzerland



Professional Work Experience

- Project Manager, Gossweiler Ingenieure AG, Dübendorf, Switzerland
- Project Engineer, Axpo Power AG, Baden, Switzerland
- Project Engineer, ITECO Engineering Ltd., Affoltern am Albis, Switzerland

The Water Framework Directive of the EU aims for 'good status' for all surface waters. The status is assessed i. a. by the biological and hydromorphological quality (fish, benthic invertebrates, aquatic flora; river continuity, bank structure, bed substrate). The river continuity and structure are essential for fish and other aquatic organisms for reproduction, foraging and protection from extreme weather conditions.

Pierre-Jacques Frank will present an overview on challenges facing the river as a habitat, followed by examples of up- and downstream fish migration facilities in Germany and Switzerland and measures along rivers to offset issues due to climate change.