HYDROPASSAGE

HBET
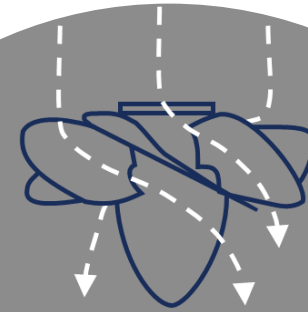Relates field data collected by sensors to biological data

Biological Response
Predicting how fish respond to hydraulic and physical stressors

BioPA
Informs design and operation of turbines based on CFD

Learn more at HydroPASSAGE.org

Applications

Tools and technologies can be applied in several different cases to provide information to guide hydropower development and operations

Users

- Turbine OEMs
- Owners and operators
- Research & Consulting

Actions

Tool Usage — HBET | BioPA

Upgrades

- Repowering (turbine replacement)
- Additions (powering non-powered dams/turbine bays)

Evaluate scale model

Evaluate pre– and post-install

Evaluate old and new designs

Operations

- Re-operating (change operations to meet demand)
- Maintaining (maintain status quo)

Evaluate different operations

Evaluate different operations