October 1, 2025 Grenoble, France

ENSE³ - Graduate School of Sustainable Engineering for Energy, Water and Environment Polygon Scientifique, Grenoble



Ethohydraulics & Fish Passage Mini-Symposium



Despite many improvements, downstream fish migration through pumping stations, hydropower plants, and other hydraulic structures continues to pose a serious **threat to biodiversity**.

European Regulations

The European Water Framework Directive calls for an improved ecological status of waters and highlights the importance of connectivity in aquatic ecosystems. However, differences in national implementation have created a patchwork of local regulations and interpretations. Common standards are missing – especially when it comes to structure, methodology, and animal-free assessment methods.

Mini-Symposium

We are creating a European forum that unites science, industry, operators, and regulatory authorities to develop definitions and methods tailored to Europe's specific characteristics and needs.

Free Attendance

ENSE³ - GreEn-Er Amphi Bergès Wednesday, October 1, 2025 9:00 am - 5:15 pm

Please register via mail: stefan.hoerner@ univ-grenoble-alpes.fr





















PROGRAM

9h00 - 9h30	Welcome Coffee
9h30 - 10h00	Welcome & Opening Remarks Stefan Hoerner, Grenoble-INP, France Delphine Riu, Grenoble-INP, France Jeffrey A. Tuhtan, TalTech, Estonia
10h00 - 10h45	Downstream Fish Passage Solutions: From Lab to the Field Ana T. Silva, NINA, Norway
10h45 - 11h00	Coffee Break
11h00 - 11h30	From Field to Lab and Back: Ethohydraulics as a Method and Transdiscipline in Need of Standardization Katharina Bensing, TU Darmstadt, Germany
11h30 - 12h00	Ethohydraulics in the Lab: Balancing Experimentation, Ethics, and Innovation Isabel Boavida, CERIS, University of Lisbon, Portugal
12h00 - 13h00	Lunch Break
13h00 - 13h45	The Industry's Current Understanding of and Emerging Topics related to Turbine Passage Survival of Fish Pedro Romero-Gomez, Andritz, Austria
13h45 - 14h30	Unusual Development of a Fish Saving Replacement Pump in the Context of Uncertain Legal Frameworks Roland Schumacher, KSB, Germany
14h30 - 14h45	Coffee Break
14h45 - 15h30	Live Fish Tests for Pumps: Lessons Learned from Six Case Studies on Eight Pump Types Ine Pauwels, INBO, Belgium
15h30 - 16h15	Downstream Fish Passage Solutions: Even trying would be a waste of time (!) Olle Calles, Karlstad University, Sweden
16h15 - 16h30	Coffee Break
16h30 - 17h15	Four Steps to 'Fish-Friendly'(?) – The Environment Agency Applying Evidence-Led Regulation

Andy Don, UK Environment Agency, United Kingdom

