



EIFAAC PROJECT

Downstream Passage of Fish at Hydropower Dams

PRELIMINARY	
a. Owner	EIFAAC
b. Role of EIFAAC¹	EIFAAC is an independent organization that brings together experts to find solutions to common problems. As an international European organization EIFAAC promotes involvement of different countries and experts from various fields of water management and science. EIFAAC endorses sustainable methods that aim to improve the status of fish stocks and inland waters. Countries and organisations beyond Europe can also gain from the EIFAAC project. EIFAAC also engages in exchange with other organizations working on fish passage matters
c. Advantages for EIFAAC of being involved in this project²	EIFAAC has access to relevant knowhow on downstream fish passage issues. EIFAAC has a possibility to publish this information as guidance to its members.
1. OBJECTIVE AND EXPECTED OUTCOME Here is mentioned at least one of the seven EIFAAC strategic objectives listed in Appendix A (below) to which this project is linked	
1.1 Purpose	Downstream migration of fish at hydropower dams has been identified as key factor affecting the restoration of fish stocks in regulated rivers. It is essential to reduce migration delays, damage and mortality to fish at these migration barriers. At the moment there is a lack of international comprehensive information about the knowledge on the downstream fish passage constructions and fish guidance. The project fills this gap by looking and collecting information from different approaches of the design of downstream migration methods and constructions in different countries. Based on this information the project also aims to the development of a set of criteria for the design of downstream migration at hydropower plants. The ultimate aim of the project will be production of an edited publication that presents a summary

¹ Explain what is the specific, unique role of EIFAAC compared to other groups/organisations that may deal with this subject, too? Has EIFAAC the role of being “lead agency”, “participant” or other role?

² How will the results of this project contribute to the achievement of the EIFAAC strategic objective(s), and contribute to/consolidate the reputation of EIFAAC as *the reference institution of competence* in the field of inland fisheries and aquaculture?

	of available knowledge and which could serve as a "road map" for future research and guidance on downstream fish passage.
1.2 Objective³	A "state of the art" summary of knowledge of successful downstream passage and guidelines for the arrangement of downstream fish migration at hydropower plants by end of 2017.
1.3 Rationale⁴	Sharing and use of common knowledge, and the development of a common set of design criteria
1.4 Benefits	Collected and published information provides pros and cons of the established downstream migration projects for future work. The guidelines will provide information for the design of downstream migration schemes in the future. Results are expected to benefit especially migratory fish stocks, but in broad sense the whole fish community. The results help to achieve EU WFD goals of good ecological status or good achievable potential of inland waters.
2. PROJECT MANAGEMENT	
2.1 Project Manager or Chair	Kieran McCarthy with assistance of Olle Calles and Eric de-Oliveira
2.1.1 Management responsibilities ⁵	serve as manager of the project set agenda and work plan arrange workshops draft and edit the report report to EIFAAC
2.2 Participants⁶ and stakeholders	
2.2.1 Identify potential participants	Expressions of support have been received from 11 European countries and it is anticipated that 12-14 members will attend the inaugural meeting in December 2014. It is likely that the numbers will increase once the project is formally launched. It is planned to encourage a greater level of participation in the final workshop, hosted by National University of Ireland and Electricity Ireland.
2.2.2. stakeholders concerned and involved	It is anticipated that the project will include participants and supporters from the following countries: Sweden (Olle Calles, Arne Fjälling & Håkan Wickström), Russia (Dimitri Pavlov) Austria (Paul Jaeger), Netherlands (Herman Wannigen),

³ Statement of the objective/objectives (PLEASE NOTE: objectives need to be **SMART**: Specific, Measurable, Attainable, Relevant and Time-bound).

⁴ Reason for the project; why the project is important and key outcomes and stakeholders.

⁵ e.g., serve as chair, report to appropriate bodies, set agenda and work plan, coordinate country reports and running of the meeting, edit report, edit draft advice.

⁶ Identify potential participants, include details of relevance of the participant to the project and the capacity in which participation is carried out.

	Poland (Mariusz Malinowski), Belgium (Damien Sonny), France (Eric De-Oliveira, Eric Feunteun, Anthony Acou), Italy (Claudio Comoglio), Greece (Manos Koutrakis), UK (Andy Turnpenny, Emma Washburn, Greg Armstrong) and Ireland (Kieran McCarthy, Dennis Doherty). This list is a provisional one and will be expanded following the inaugural meeting.
2.3 Time frame⁷	Q4 2014 - Q4 2017
2.4 Expected deliverables⁸	A project report to EIFAAC with best-practice guidelines, possible scientific report
2.5 Outline of Working Methodology⁹	Establishment of a network of biologists and engineers involved in fish passage research in Europe. Organization of workshops on fish passage at hydropower dams. Provisional Schedule of Meetings: France (December, 2014), Netherlands (June, 2015), Austria, (November, 2015), Sweden (2016), Ireland, (2016).
3. BUDGET	
3.1 Budget¹⁰	
3.1.1 available	No
3.1.2 possible	Yes, participants travel on their institutes funding
3.1.3 required	No EIFAAC budget required

⁷ Expected/intended duration of the project

⁸ List potential project deliverables, e.g. Policy guidelines; best-practice guidelines; recommendations; scientific report; project report; etc

⁹ How the project work is to be conducted, e.g. meetings, workshops, literature review, research. A methodology should be provided for and closely linked with each of the objectives.

¹⁰ In relation to budget, answer each of the three categories with “yes” or “no”, and provide details if appropriate/needed.

EIFAAC STRATEGIC OBJECTIVES

Select one of below list:

I. Management-related issues and principles for inland fisheries and aquaculture	x
II. Interactions and avoidance or resolution of conflicts in inland fisheries and aquaculture	
III. Harmonization of cross-border and cross-sectoral governance and legal aspects of inland fisheries and aquaculture	
IV. Protection and restoration of the environment and species	x
V. Trade and economic aspects of inland fisheries and aquaculture	
VI. Development of databases on inland fisheries and aquaculture	
VII. Climate change	