

Prognosis of Ecosystem Services and Societal Benefits

Addressing supply and demand in e-flow and reservoir management

11 June, 10:00 CET | Webinar

Date: 11 June

Time: 10:00 – 11:00 CET (Brussels time)

Duration: 60 minutes

Despite its significant contribution to energy security, hydropower plants (HPPs) can have negative impacts on river ecosystems. To minimise potential environmental and social effects, HPPs must ensure the quantity and quality of freshwater flows, known as environmental flows (e-flows). The SHERPA project, funded by the European Union's Horizon Europe research and innovation programme under Grant Agreement No. 101172849, addresses one of the most pressing challenges in the modernisation of existing hydropower infrastructure: enabling turbines to operate efficiently under e-flow regimes.

To that end, SHERPA is developing innovative technologies, including advanced air injection systems and new runner designs. A cross-cutting objective of the project is to identify and assess the relationship between the expected changes driven by these technological developments and their potential net positive impact on river ecosystems, through the provision of ecosystem services and associated societal benefits, as demonstrated through case studies.

This webinar aims to foster discussion between the technical team working on the assessment of changes in ecosystem services and members of academia involved in related EU projects. The goal is to capture leading-edge knowledge and showcase SHERPA's findings through a dedicated case study.

Agenda

Welcome and Introduction

Speakers' presentations

- Alberto Lucas García, PhD - Biodiversity Lead AECOM
- Marta Arenas Romasanta - Senior environmental and social impact advisor AECOM
- Representative from academia TBC

Discussion: Questions & Perspectives from Stakeholders

For more information:

LinkedIn: SHERPA, new solutions for hydropower plants

Website: sherpahydro.eu