## Fish telemetry - an update

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The use of fish telemetry has increased substantially over the last few decades, and in many ways it has revolutionized our knowledge of ecology, physiology and the behaviour of free-swimming fish. Despite this, more effort is required for improving and validating tagging methods and procedures, to enhance the welfare of the tagged fish and optimise the quality of the scientific data collected. In the present paper, the strengths and limitations of fish telemetry are discussed from a welfare point of view, with some critical future research needs being identified.