

## **Active sonar and the marine environment**

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### **Abstract**

A study of the effects of active sonar transmissions on fish and marine mammals in Norwegian waters has been launched, following ordering of new frigates by the Royal Norwegian Navy (RNoN). The objective of the study is to produce a set of recommended rules for naval sonar operations in Norwegian waters based on scientific grounds. The project includes studies of physiological and behavioral effects of sonar signals on fish and marine mammals, as well as development of a decision aid system to assure responsible operation of naval sonars within Norwegian waters.