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## RISK ASSESSMENT OF MARINE OIL SPILLS

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### **Abstract**

The aim of the work proposed herewith is to present the steps of risk assessment methodology and its importance for the risk management. Risk assessment is a complex process involving hazard identification, its consequences and likelihood that those consequences may occur. The methodology considered is based on the critical analyze of the data available concerning the marine accidents. The severe marine accidents produced as a result of collisions, contact, grounding, structural failure, fire and explosions, affect aquatic and coastal ecosystems and on-shore human social activities, the crew life and ship itself. The consequences and likelihood of each risk determines level of risk. On this basis, risk management adopts control and reduction measures of risks, so that they become ALARP. As a result of economical evaluation the most efficient reduction measures of risks from cost-benefit report are selected and implemented.

**Key words:** hazard identification, oil tankers, risk assessment, risk pollution, risk reduction measures

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