BUILDING INTEGRATED ASSESSMENT TOOL FOR DAMAGE CAUSED BY OIL SPILL ON VIETNAM'S COAST

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ABSTRACT. Vietnam's seas is focused of oil and gas fields currently operating with high intensity. Exploration and exploitation take place on many seas of the country, so risk of oil spills is highly. In fact, from 1997, Vietnam has more than 50 oil spill accidents, on average each year more than three accidents and the majority of accidents are not compensated. It shows the necessary to have a reliable simulation tools for supporting the rescue and can quickly assess the damage, provided the basis for damage caused by incidents.

Outstanding results of this paper is built the tools SOSPCET (Simplified Oil Spill Prediction and Cost Estimation Tool), combined model Mike 21/3 SA with damage assessment model to support the managers quickly identify the contaminated areas to take right decisions when problems occur and estimate the damage caused by the incident. This is the basis for the decision to impose sanctions and compensation.