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## RAPID ACQUISITION OF ENVIRONMENTAL INFORMATION AFTER ACCIDENTS WITH HAZARDOUS CARGO THROUGH REMOTE SENSING BY UAV

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**Keywords:** Remote Sensing, Environmental Impacts, Highway Transportation, Hazardous Cargoes

**Abstract.** The aim of the study was to present procedures of using remote sensing by UAV to aid in the rapid evaluation and monitoring of environmental impacts caused by accidents involving transport of dangerous cargoes on highways. From the data collected and the UAV model defined, it was developed a methodology of operating a UAV to generate the potential benefits identified in the application. A Mini UAV or Close Range class was considered appropriate. It was created the procedures for imaging, the emergency activation of an UAV, the generation parameters of the images and forms of environmental information extraction. The study does not eliminate the necessity of testing the technology for this application, but indicates the possibility of generating more detailed and faster information.

[Conference Paper](#) (PDF, 366 KB)

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