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## PROTECTING UNESCO WORLD HERITAGE PROPERTIES'S ILLUSTRATED RECORDING AND DOCUMENTATION IN RISK MANAGEMENT

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**Abstract.** Risk management – as it has been defined – involves the decision-making process of assessing the risk of damage to cultural heritage and to reach the balance between gaining and losing opportunities. This paper presents a "heritage information" platform developed using low-cost recording, documentation and visualization techniques to serve as container for assessments resulting from the application of a risk management methodology. The paper focuses on the Petra Archaeological Park, in particular those that permit digitally and cost effective to prevent and manage risks. Furthermore, this paper will reflect on the issue of property's boundaries by illustrating a methodology developed during the project at the lack of boundaries and buffer zone for the protection of the Petra World Heritage Site.

This paper is based on on-going field project from a multidisciplinary team of experts from the Raymond Lemaire International Centre for Conservation (University of Leuven), UNESCO Amman, Petra World Heritage Site Authority (PDTRA), and Jordan's Department of Antiquities (DoA), as well as, experience from the field. The documentation approach included in this contribution is part of an on-going effort to mitigate (active and preventive) risks on the Petra Archaeological Park (Jordan) performed using non-intrusive techniques, which involve simple global navigation satellite system (GNSS) and structured visual inspection, as well as, a heritage information framework based on Geographic Information Systems. The approach takes into consideration the comparison of vulnerability to prioritize monuments at risk based on their importance of significance and magnitude.

to plan more in-depth assessment for those highly significant monuments or areas  
as outcome of this project.

[Conference Paper](#) (PDF, 4532 KB)

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