

The ANDROID case study; Venice and its territory: a general overview

Indirli, M., ENEA, Italy, maurizio.indirli@enea.it

Knezic, S., University of Split, Croatia, snjezana.knezic@gmail.com

P. Borg, R., University of Malta, Malta, ruben.p.borg@gmail.com

Kaluarachchi, Y., Kingston University, UK, y.kaluarachchi@kingston.ac.uk

Ranguelov, B., Mining and Geology University, Bulgaria, branguelov@gmail.com

Romagnoli, F., Riga Technical University, Institute of Energy Systems and Environment, Latvia, francesco.romagnoli@rtu.lv

Rochas, C., Riga Technical University, Institute of Energy Systems and Environment, Latvia, claudio.rochas@rtu.lv

The Work Package 7 (Research Futures & Special Interest Groups) of the ANDROID project, within a specific working group, selected Venice and its territory as an emblematic case study of a region that could be affected by cross-border disastrous events. The paper provides a general overview on the topic, trying to organise the large amount of available scientific literature in some strategic cores, identifying undoubted milestones, open questions and future research needs, following a holistic approach to risk assessment. This case study is carried out not only as an engaging exercise, but with the purpose to provide a reference point for scientists and teachers interested to translate multifaceted knowledge into specific solutions. In fact, the paper is strongly linked as a whole to other three ones (presented at the 4th International Conference on Building resilience by WP7 group participants), which deepen respectively hazard, vulnerability/resilience, and mitigation about the site taken into consideration. Furthermore, the City of Venice takes part to the UNISDR Program "Making Cities Resilient", and planned a robust intervention, consisting in the realisation of mobile dikes located at the openings of the lagoon (MOSE project, almost terminated), which has been strongly debated since the beginning, due to possible negative consequences on the environment. At last, the paper analyses drawbacks and benefits of the above said intervention, and suggests further proposals for the global safeguard of Venice and its lagoon.

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