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APPLICATION OF DIGITAL MAPPING (GIS) TO DELINEATE FLOODPLAINS IN LOWER GUINEA, REPUBLIC OF GUINEA

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Abstract

Every year during the winter season, several regions of Guinea (Conakry) are damaged, and losses due to flooding are recorded. This problem is the result of an increase of the sea waters level firstly, and the flooding of coastal rivers on the other hand. So the measure of water levels and the mapping of flood areas using geographical information systems became essential for civil protection. The present article investigates the alternatives to delineate those areas, on the basis of the results of previous studies which offer a better knowledge and understanding of flood risk in the area of Maritime Guinea.

Key words: flood, GIS mapping, height of water

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