

Abstract

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ENVIRONMENTAL and CONTEXTUAL INTEGRATION OF WATERFRONTS (EVALUATING THE INTEGRITY OF ALEXANDRIA WATERFRONT, EGYPT)

Waterfronts are unique places and finite resources embodying the special history and character of each community. The growing diversity of uses of urban waterfronts lands indicates the presence of complex and powerful demands on the scarce waterfront resource. Consequently, these structures have created formidable physical and visual barriers between city dwellers and naturally appealing waterfront sites and view, as well as other environmental consequences, and thus separating the water edge from the city. After the development of Alexandria's Corniche in 1998, the lack of physical, functional and ecological features does not allow the city residents to engage with their waterfront. Hence this research aims to suggest a method for the city to reclaim back its waterfront by suggesting a theory for contextual and environmental integration of the waterfront with the city. The research will start with a theoretical analysis of the theory. The findings of this analysis are informative for how the waterfront could be redeveloped towards a more sustainable environment with a more comprehensive approach. Finally, the research will set general recommendations with a conceptual design ideas for the development of the Corniche of Alexandria as an approach towards sustainability. Keywords: waterfront development context environment integration