

**Regenerative Tourism: Re-invention of Social Order through the
Establishment of a Mobile Network**

By

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ABSTRACT

Urban metabolism is the conservation and expansion process of a specific system through the evaluation of energy intake and the waste generated within an environment. The analysis that is derived from this evaluation will demonstrate and suggest methods in which urban sustainability can be approached. Sustainable development is an ever-growing notion that is challenged in Nairobi by rapidly increasing population rates, the illegal construction of infrastructure, and consequently the deterioration of natural resources.

By controlling the urban expansion and implementing a modular, responsive ecotourism network on top of the existing city plan, we can begin to limit and manipulate the transition zone between the built and the natural environment. The scale and application of the network will be a direct response to the energy intake and outtake of specific sites in Nairobi, which in turn will stimulate a more sustainable urban growth model/system.

Through strategic establishment of active nodes based on sensory and experiential parameters that respond to land regeneration rates, the improved ecotourism network can address issues of conservation and localize the tourism job market. Consequently, the goal is not necessarily to increase the number of tourists, but to maximize the tourist experience, while at the same time minimizing its footprint.