

Towards Developing Social Assessment Tool for Siwan Ecolodge Case Study: Babenshal Ecolodge

Authors : Amr Ali Bayoumi, Ola Ali Bayoumi

Abstract : The aim of this research is enhancing one of the main aspects (Social Aspect) for developing an eco-lodge in Siwa oasis in Egyptian Western Desert. According to credible weightings built in this research through formal and informal questionnaires, the researcher detected one of the highest credible aspects, 'Social Aspect': through which it carries the maximum priorities among the total environmental and economic categories. From here, the researcher suggested the usage of ethnographic design approach and Space Syntax as observational and computational methods for developing future Eco-lodge in Siwa Oasis. These methods are used to study social spaces of Babenshal eco-lodge as a case study. This hybrid method is considered as a beginning of building Social Assessment Tool (SAT) for ecological tourism buildings located in Siwa as a case of Egyptian Western desert community. Towards livable social spaces, the proposed SAT was planned to be the optimum measurable weightings for social aspect's priorities of future Siwan eco-lodge(s). Finally, recommendations are proposed for enhancing SAT to be more correlated with sensitive desert biome (Siwa Oasis) to be adapted with the continuous social and environmental changes of the oasis.

Keywords : ecolodge, social aspect, space syntax, Siwa Oasis

Conference Title : ICACAD 2021 : International Conference on Architectural Computation and Architectural Design

Conference Location : Istanbul, Türkiye

Conference Dates : January 28-29, 2021