



POLITECNICO
DI TORINO

Honors thesis

COURSE OF ARCHITECTURE FOR THE SUSTAINABILITY DESIGN

Abstract

**An integrated project of an accommodation system for a
responsible tourism near Inle Lake in Myanmar**

Tutor

Francesca De Filippi
Alessio Dionigi Battistella

by

Maria Magdalena Ulian
Ionut Marius Beta

Graduation session
July 2019

This thesis studies in deep a design intervention of a complex of facilities with low environmental impact in the Inle Lake region (Myanmar). Such buildings will be useful to the communities that inhabit the lake for welcoming the increasingly overwhelming and growing waves of tourists in the area, which on the one hand present themselves as possible sources of economic progress, on the other hand turn out to be accomplices of a possible natural disaster.

The research is part of an international cooperation project called EPIC (*“Economic Promotion of Inle Communities”*) which, through the enhancement of the cultural and natural heritage of the Inle Lake region, aims to generate economic development that involves the local populations and guarantees the greatest possible monetary repercussions in the local market.

The study is divided into two main parts: one of context and process analysis, the other of design. The first phase is characterized by a study on the national and regional scale of the Burmese culture, history, economy and society, always keeping the phenomenon of international and domestic tourism and its economic, environmental and social consequences under observation.

Subsequently, the rules and initiatives already implemented by the state in cooperation with the NGOs involved operating throughout the Burmese territory were carefully analyzed. This study showed the will of the Government to make the most of the potential of growing tourism, giving priority to the protection of cultural and environmental heritage. It becomes important to understand how necessary it is, especially in rural contexts, to include communities in these dynamics and how, by adopting actions such as CBT (*Community Based Tourism*), we can achieve responsible and sustainable tourism for the populations that live in the destinations of visit.

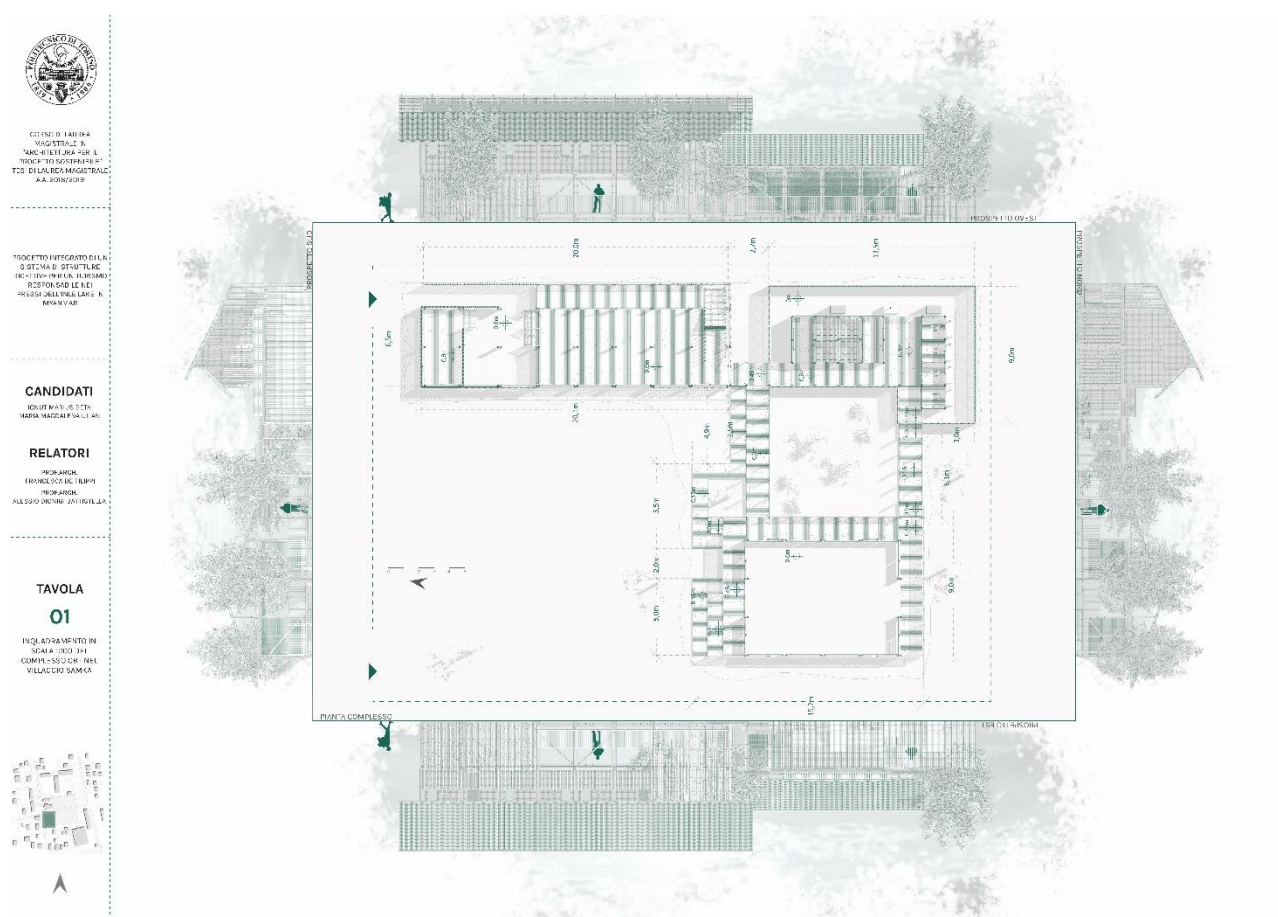
The next phase involves the transition to a support analysis for project operations. The studies of the climatic and morphological conditions, of the settlements and of the architectural traditions and finally of the territorial strategies were necessary for the definition of the best technological and compositional solutions.

In light of the information received from the field, from the analysis of the sources found and in a compatible manner to the conditions and limitations of the context, the thesis has achieved the set objectives. Not only has the scientific literature already lacking been extended with a paper on Responsible Tourism in Myanmar, but a sustainable design of accommodation facilities in the village of Samka was also achieved using local materials such as bamboo and a self-construction manual was developed that allows local communities to independently build the required facilities.



Dimitar Karanikolov, Inle Lake - villaggio galleggiante

Fonte: <https://www.behance.net/karanikolov>



Maria Magdalena Ulian, Ionut Marius Beta, Inquadramento del complesso CBT nel villaggio Samka

Fonte: progetto d'autore



Maria Magdalena Ulian, Ionut Marius Beta, Il complesso CBT nel villaggio Samka
Fonte: progetto d'autore

For further information please contact:

Maria Magdalena Ulian - maria.ulian23.mmu@gmail.com

Ionut Marius Beta – mario.beta@hotmail.it