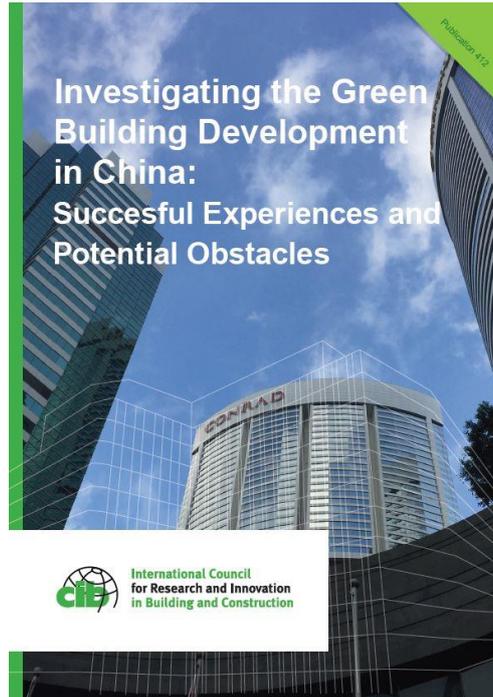




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CIB Sebestyén Future Leaders Award

Investigating the Green Building Development in China: Successful Experiences and Potential Obstacles



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Introduction

Under the support of CIB Sebestyén Future Leaders Award 2013, the HKPolyU Student Chapter of CIB authored the newest CIB publication - Investigating the Green Building Development in China: Successful Experiences and Potential Obstacles and can be downloaded for free [here](#).

Background

In recent years, the concept of "green building" has been getting more and more popular. In Shenzhen, it is required by the government that the newly built building projects must satisfy the minimum green building requirements. In order to improve the development of green building in China, it is of essence to understand the current situation of green buildings, and it is significant to explore the potential obstacles ahead and summarize previous success experiences.

Research objectives

The aim of this study is to investigate the current situation of green building development in China and gain insights from the investigation. Four specific research objectives are supposed be achieved:

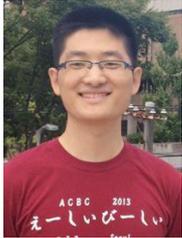
- To review and understand the development progress of green buildings in China.
- To evaluate the similarities and differences of China's green building evaluation standards with the standards in other countries.
- To investigate the obstacles which may hinder the development of green building in China.
- To explore the success experiences from successful implemented projects.

Major findings

The Estimation Standard of Green Building (ESGB), which is the major green building rating system in China, has been investigated from its assessment procedure and main contents. In addition, six prevailing green building rating systems, such as

BREEAM, LEED, GBTool, CASEBEE, NABERS, and GBI, were selected and made comparisons with the China's green building rating system (i.e., ESGB). Twenty-four potential obstacles were identified from literature and evaluated by the practitioners from the China's construction industry. The questionnaire survey results showed that "lack of effective green building development and management modes", "economic benefit is not obvious in a short term", and "lack of effective supervision from government" were the top three obstacles.

Contact details



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Information

General information about the CIB Sebestyén Future Leaders Award can be found in the Student Chapter section on the CIB website, click [here](#). This includes an overview of past winners and the outcomes of their projects.

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