

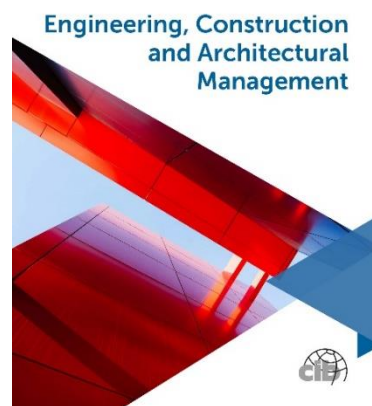


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**CIB Encouraged Journal
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ECAM, Engineering, Construction and Architectural Management**



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The true value of construction and the built environment to the economy

We are pleased to announce the publication of a Special Issue of the CIB Encouraged Journal Engineering, Construction and Architectural Management: The true value of construction and the built environment to the economy.

This Special Issue has been produced in conjunction with CIB Working Commission W055 - Construction Industry Economics, with its aim of supporting and developing the perception of the role of the industry in the economy, and Task Group TG81 - Global Construction Data.

There has been a long-standing view that the construction industry as a whole is under-achieving and the industry, in many countries, is seen as one of the least productive sectors in the economy. A prerequisite for discussion and analysis of the sector's value has to be the production of appropriate information to enable the development of models for the sector.

The traditional perception of the contribution of the construction industry to the economy is based on the methodologies employed for the definition and

measurement of construction activity according to international standards. However, perception of the sector's performance is often quite negative and there has been a long-standing view that the construction industry as a whole is under-achieving with one of the lowest rates of productivity in the economy.

National statistics organisations tasked with the publication of official statistics on the construction sector constantly reassess their methodology and the limitations of their data collection.

The issues dealt with by the international group of authors of the papers deal with such questions as:

- How valid and useful are the current definitions and measures?
- What are the alternative approaches to the measurement of construction activity?
- Are current measures fit for purpose for assessing the industry's efficiency and productivity?
- How comparable are construction statistics internationally?



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Such issues are reflected in the focus of the papers in this Special Issue. While each of the papers is obviously free-standing, there are obvious linkages between the papers.

The aim of this special issue is to investigate recent advances in the development of digital engineering, computing, and simulation for the AEC industry so that the traditional experience-based decision-making process can be usefully improved to a data-driven one.

Topics

- Assessing the true value of construction and the built environment to the economy
By: Les Ruddock, Stephen Gruneberg, Steven Ruddock
- Reframing construction within the built environment sector
By: Gerard de Valence
- Measuring construction for social, economic and environmental assessment
By: Bahriye Ilhan, Banu
- Wealth measurement and the role of built asset investment: an empirical comparison
By: Les Ruddock, Steven Ruddock
- The implications of the construction industry to national wealth
Richard Glenn Fulford
- Construction productivity revisited: towards measuring performance of construction output
By: Kim Haugbølle, Jacob Norvig Larsen, Jørgen Nielsen
- Estimating the built environment stock in Cape Verde
By: Jorge Pedro Lopes, Rui Alexandre Oliveira, Maria Isabel Abreu
- Improving efficiency in roading projects: a New Zealand study
By: Saeed Haji Karimian, Jasper Mbachu, Temitope Egbelakin, Wajiha Shahzad
- Investment valuation model for sustainable infrastructure systems: Mezzanine debt for water projects
By: Juan David Gonzalez-Ruiz, Alejandro Arboleda, Sergio Botero, Javier Rojo

Editors

Les Ruddock , Stephen Gruneberg and Steven Ruddock

Publication

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