1. Record Nr. UNINA9910674384603321 BIM-Based Life Cycle Sustainability Assessment for Buildings / / edited Titolo by Antonio Garcia-Martinez Pubbl/distr/stampa Basel:,: MDPI - Multidisciplinary Digital Publishing Institute,, 2022 Descrizione fisica 1 online resource (190 pages) Disciplina 720.47 Soggetti Sustainable buildings - Design and construction Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia BIM-Based Life Cycle Sustainability Assessment for Buildings -- Social Nota di contenuto Housing Life Cycle Management: Workflow for the Enhancement of Digital Management Based on Building Information Modelling (BIM) --BIM and Automation in Complex Building Assessment -- Reverse Logistics Performance Indicators for the Construction Sector: A Building Project Case -- Integrating BIM-Based LCA and Building Sustainability Assessment -- Development of Building Information Modeling Template for Environmental Impact Assessment -- BIM-Based Life Cycle Assessment of Buildings-An Investigation of Industry Practice and Needs -- The Role of the Interface and Interface Management in the Optimization of BIM Multi-Model Applications: A Review --Investigating Approaches of Integrating BIM, IoT, and Facility Management for Renovating Existing Buildings: A Review. In recent years, the progress of digitization in the architecture and Sommario/riassunto construction sectors has produced enormous advances in the automation of analysis and evaluation processes. This is the case with environmental analysis systems, such as the life cycle analysis. Methodology practitioners have found a fundamental ally in the building information modeling platforms, which allow tasks that conventionally consume large amounts of energy and time to be carried out more automatically and efficiently. In this publication, the reader will find some of the latest advances in this area.