Purpose: The purpose of the study is to develop a methodological approach for project management to integrate sustainability and resilience planning in property maintenance as an incremental strategy for upgrading existing properties to meet new standards for sustainable and climate resilient buildings.

Background: Current maintenance practice is focused on the technical standard of buildings, with little consideration of sustainability and resilience. There is a need to develop tools for incorporating sustainable resilience into maintenance planning.

Approach: The study is primarily theoretical, developing the concept of sustainable resilience for changing weather conditions.

Results: The paper suggests a decision support methodology that quantifies sustainable resilience for the analytical stages of property maintenance planning.

Practical Implications: The methodology is generic and expected users are FM organisations with responsibility of property maintenance, and consultants offering property management planning as a service.

Research limitations: The methodology is conceptual and has not been tested. However the concept is to be further developed in dialogue between the authors, the Danish local authority Gentofte Properties and other potential users.

Originality/value: The paper suggests a new methodology to explicitly integrate sustainability and resilience planning in property maintenance planning.

General information
Publication status: Published
Organisations: Department of Civil Engineering, Section for Indoor Environment, Department of Management Engineering, Production and Service Management, Centre for Facilities Management
Contributors: Cox, R. A., Nielsen, S. B.
Pages: 329-339
Publication date: 2014

Host publication information
Title of host publication: Proceedings of CIB Facilities Management Conference 2014
Publisher: Polyteknisk Boghandel og Forlag
Editor: Jensen, P. A.
ISBN (Electronic): 9788750210696
Electronic versions:
CIB_FM_2014_PROCEEDINGS_final.pdf
Source: PublicationPreSubmission
Source ID: 93593616
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review