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Master thesis at Building Technology

Title

Construction, renovation and demolition waste in the Swedish construction sector

Background

A key objective in many countries is to decouple the generation of waste from economic growth. It has been the case for many years that the amount of waste produced increases with economic prosperity. One reason for this is that the cost of materials reduces in comparison with the cost of labour, so it becomes 'cheaper' to waste materials rather than invest more time in using materials efficiently. However, the cost of waste is typically underestimated in both economic and environmental terms. Waste reduction is also difficult to measure, in order to make compelling business cases to change practices or products. In most countries, construction waste accounts for a significant proportion of the overall wastes arising. Although it is still the case that many countries lack good data in this area which is a key step in knowing where to prioritise waste reduction.

Aim/Purpose

The aim of the Master thesis is to depict the current situation regarding Construction, renovation and demolition (CRD) waste in Sweden. More in detail it should be understood what the current trends are and what is affecting the waste generation.

Method

After a decent literature study the following work may be carried out:

- Provide a differentiated overview of the CRD waste in Sweden
- Identifying the main trends for buildings and infrastructures
- Gathering information on the national accounting method and possible differences on a European level
- Interpretation of the results achieved

Supervisor

Prof Holger Wallbaum, Division of Building Technology, Chalmers University of Technology, Tel: 031-7721994, e-mail: holger.wallbaum@chalmers.se

Examiner

Prof Holger Wallbaum