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New CIB Publication

W115 – Construction Materials Stewardship

**Barriers for Deconstruction and Reuse/
Recycling of Construction Materials**



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This report has been produced by CIB Working Commission W115 "Construction Materials Stewardship". The mission of Working Commission W115 is to drastically reduce the deployment and consumption of new non-renewable construction materials, to replace non-renewable materials with renewable ones whenever possible, to achieve equilibrium in the demand and supply of renewable materials and ultimately to restore the renewable resource base, and carry out these tasks in ways to maximize positive financial, social and environmental and ecological sustainability effects, impacts and outcomes.

This report is the fifth product of W115 and provides an overview of barriers for deconstruction and reuse/recycling of construction materials across the world through a series of country reports from Canada, Germany, Japan, Netherlands, New Zealand, Norway, Singapore and United State of America.

Themes

A common theme from the national reports was that education could play a significant role in persuading owners, architects, and contractors to design for deconstruction and likewise encourage the reuse of materials from demolished buildings. In most regions the specifications for structural components limit the use of recycled or reclaimed material without extensive testing to verify their integrity.

A predominant concept from all of the countries is that without legislative action to create an artificial economic driver, the current market for deconstructed material is difficult to remain economically feasible. Only in remote situations in which the scarcity of raw materials



Additional Information

The report is free downloadable [here](#).

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You can find more information on the activities of CIB W115 [here](#).