



**NRC-CNRC**

Institute for  
Research in  
Construction

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## *Supplementary Cementing Materials (SCMs) Website in support of the Climate Change Agenda*

### *Objectives*

To develop and disseminate information promoting the benefits of using SCMs in concrete and mortar, and to establish networks of stakeholders to share their knowledge and experience with SCMs.

### *Background*

Supplementary cementing materials (SCMs) are typically waste materials from industrial processes and include fly ash, ground granulated blast furnace slag and silica fume. NRCan's Supplementary Cementing Materials Program in support of The Government of Canada's Action Plan 2000 on Climate Change promotes the increased use of supplementary cementing materials to replace portland cement in concrete and mortar for building construction, concrete pipes and other applications. Because the cement manufacturing process produces large amounts of greenhouse gases whereas SCMs do not, increasing the use of SCMs will reduce both the amount of CO<sub>2</sub> produced and the landfill burden. The SCMs program aims at reducing emissions generated by from the production of concrete by 0.45 million tonnes per year by 2010.

### *Statement of Work*

A bilingual Web site was built with a means of registering people and projects working with SCMs in order to calculate reductions in greenhouse gas emissions attributable to the use of SCMs. A network of experts is available to answer questions online.

### *Outcomes*

A Web site (<http://www.scm.gc.ca/>) that addresses climate change issues and helps determine the market potential for SCMs through online questionnaires, registration and a CO<sub>2</sub> monitoring program.

### *Partners*

Natural Resources Canada (NRCan) and the International Centre for Sustainable Development of Cement and Concrete (ICON/CANMET)

### *Start/Completion Dates*

This project began in August 2002 and was completed in 2006.

### *Contact*

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For more information, see [http://irc.nrc-cnrc.gc.ca/bes/cmst/scm\\_e.html](http://irc.nrc-cnrc.gc.ca/bes/cmst/scm_e.html)

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