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Concrete Sustainability Council (CSC)



**A responsible sourcing certification
for concrete**

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**World Business Council for Sustainable
Development (WBCSD)**



Realização



Associação
Brasileira de
Cimento Portland



The founding members

Vertically integrated companies



Associations in the concrete supply chain



CEO led initiative



Certification and training institutes



Objectives

Implement a certification system for responsibly sourced concrete to:

- 1. Help improve concrete's sustainable / responsible performance**
- 2. Improve transparency of the concrete sector**
- 3. Receive recognition in green building rating systems**
- 4. Get recognition in green procurement government policies**
- 5. Improve the public opinion of both the concrete product and the sector**
- 6. Improve the business case for responsible / sustainable concrete**

Market drivers

- Green Public Procurement Guidelines
 - UK Government sets target that 25% of construction products be sustainably sourced
- Green Rating Systems (LEED) introducing points for RSS encouraging development
- Contractors and developers looking for responsibly sourced products
- Other industries / materials have RSS:



What it is

A Responsible Sourcing Certification System?

- Creates transparency on the production of concrete and concrete products regarding environmental and social aspects
- Promotes responsible sourcing of concrete
- Improves resource efficiency & social contribution of concrete production
- Fosters stakeholder engagement

www.concretesustainabilitycouncil.org

Process

2013

CSI taskforce
CSI support

2014

MoU, project
started

Committees
formed

Wiki page /
website etc.

1st draft of the
scheme

5 projects gave
feedback

2015

First founding
members

Toolbox
implemented

2nd draft of the
scheme

12 projects give
feedback

Alignment proces
with building
rating schemes

Certification
system developed

115 quick scans
performed

2016

8 projects give
feedback

3rd draft of the
scheme

Governance set
up

External
stakeholder
process

CSC organization

STEERING COMMITTEE

Project Coordinator
1 representative of each Founding Member

TASKS

**Project management, governance, budgeting, draft approval
Coordination of stakeholder engagement**

Industry
Science
NGOs

COMMUNICATION COMMITTEE

TASKS

**Logo, visual identity
External communications**

TECHNICAL COMMITTEE

TASKS

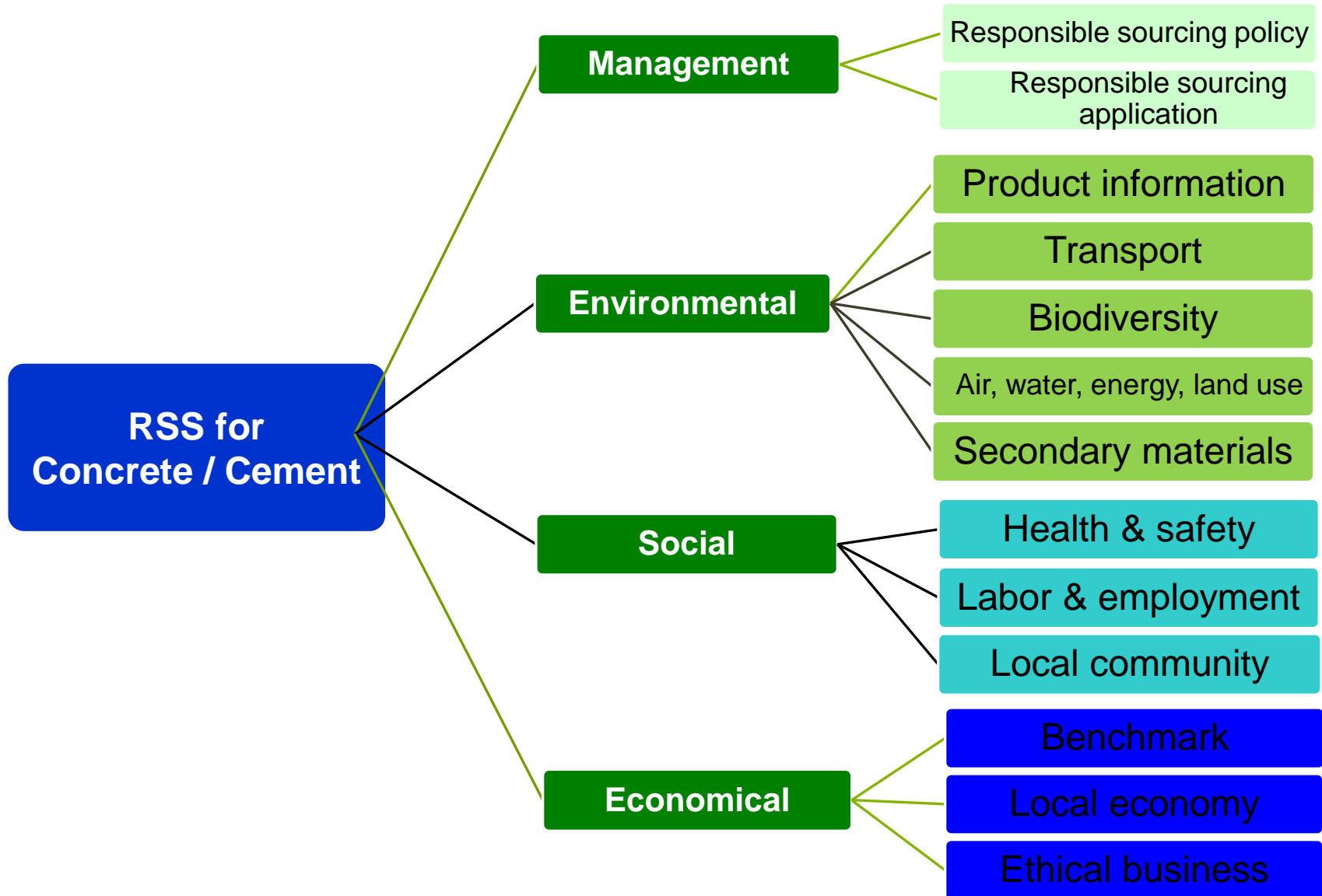
**Standard setting
Certification process
Registration process for
external certifiers**

REGIONAL COMMITTEES (Not yet established)

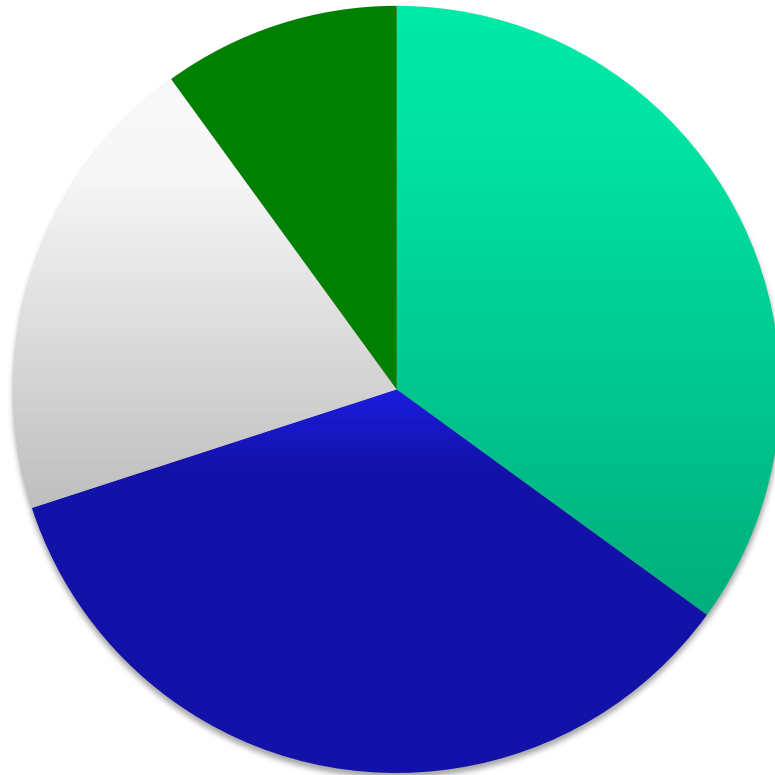
Potential TASKS

**Adaptation of global
framework to regional
conditions
Support supervision of
certification**

Content of the system




Category weighting



	Management	35%
	Environmental	35%
	Social	20%
	Economical	10%





Web-based tool

www.concretesustainabilitycouncil.com




Sustainable Concrete Toolbox





[Home](#)

 **Quickscan**
rough estimate ambition
  **Ambition**
compare ambitions
  **Pre assessment**
self-assessment
  **Assessment**
validated by assessor

Welcome to the Sustainable Concrete Toolbox

Welcome on the responsible sourcing toolbox for concrete. How responsibly sourced is your concrete? What are your responsible sourcing ambitions? This Toolbox enables you to analyse the environmental and social performance of your concrete and determine your ambition. Use the Quickscan for a quick impression, the AmbitionTool to determine your ambition, the Pre AssessmentTool to prepare you for a qualification and a certificate that you can get with the AssessmentTool.



	 Quickscan rough estimate ambition	 Ambition compare ambitions	 Pre assessment self-assessment	 Assessment validated by assessor
Description:	Make an estimation of your Concrete's Performance on Responsible Sourcing, for free and easily with the Quickscan Tool.	Set up and compare three different scenarios and determine your ambition for Responsible Sourcing.	Calculate the responsible sourcing performance and ambition of your concrete by yourself accurately.	Prepare the certification and submit this assessment to be validated by a Sustainable Concrete Scheme Assessor.
Required knowledge:	None	Sustainable Concrete Scheme Expert	Sustainable Concrete Scheme Expert	Sustainable Concrete Scheme Expert/Assessor
Detail level:	Credits	Criteria	Criteria requirements	Evidence
Accuracy:	Deviation 0-10%	Deviation 0-5%	Deviation 0%	Deviation 0%
Reporting type:	None	Ambitions matrix	PDF report	Final report and Sustainable Concrete Scheme certificate
	Start now	Start now	Start now	Start now

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Free quick scan

concretesustainabilitycouncil.com/quickscan/128/take?category=13

proporciona pruebas de que la organización y / o productos certificados, obtienen al menos el 70% de los materiales, de valor financiero, de proveedores que operan un sistema de abastecimiento responsable.	proporciona pruebas de que la organización y / o productos certificados, obtienen al menos el 80% de los materiales, de valor financiero, de proveedores que operan un sistema de abastecimiento responsable.	proporciona pruebas de que la organización y / o productos certificados, obtienen al menos el 90% de los materiales, de valor financiero, de proveedores que operan un sistema de abastecimiento responsable.
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M6: ¿Participa su organización en la evaluación comparativa de la industria?

☒ Su organización participa en la evaluación comparativa de la industria internacional/local/regional en al menos 3 temas incluidos en este esquema.

☐ Su organización participa en la evaluación comparativa de la industria internacional/local/regional en al menos 4 temas incluidos en este esquema.

☐ Su organización participa en la evaluación comparativa de la industria internacional/local/regional en al menos 5 temas incluidos en este esquema.

☐ La organización ha iniciado o participado en la iniciación de la evaluación comparativa en uno de los temas enumerados.

[Previous Category](#) [Next Category](#) [To category overview](#)

Quickscan

Categoría	Puntuación
Pre-requisitos	0
Dirección	40
Ambiental	0
Social	0
Económico	0

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Pilots carried out worldwide



→ 25 concrete producers provided feedback

Aggregate Industries (US)

Argos (Colombia)

Berks Products (US)

Bosch Beton (The Netherlands)

CalPortland (US)

Cementerie National (Lebanon)

Cemento Progreso (Guatemala)

Cemex (US)

Cemex (Mexico)

Concrete Supply Co. (US)

CRH / Cementbouw (Ireland & NL)

Hanson (Australia)

Italcementi (Italy, two pilots)

Interbeton (Belgium)

IYCC (Costa Rica)

Kirkpatrick Concrete (National Cement) (US)

Lehigh Hanson (US)

Makati Development Corporation (Philippines)

Mebin (The Netherlands)

Ocean Concrete (Canada)

SCG (Thailand)

Small / medium sized companies (Colombia)

Taiheiyo (Japan)

Titan America (US)

Tech Ready Mix(US)

U.S. Concrete (US)

Certification structure

*Validate independence
and sustainability claims*



**Accreditation
institute**

Accreditation



*Develop and maintain
international standard*



**Scheme
operator**

Audit & Training support



*Audit, training, helpdesk
Issue certificates*



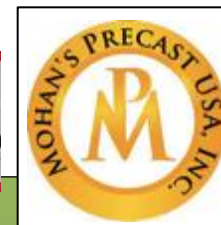
**Certification
Institute**

Validate claims for points



Auditor

Provide evidence



Customer

Existing stakeholder consultation activities

- Content of the scheme developed so far based on CSI best practices
- Environmental stakeholder consultation managed by
- Content and governance also discussed with BRE, USGBC DGNB, etc.



The launch

- Our aim is to launch a version 1.0 of the scheme after finishing the external stakeholder process
- Do real projects → will potentially result in a v1.1 of v2.0
- Start formal approval within certification schemes





Thank you very much!

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