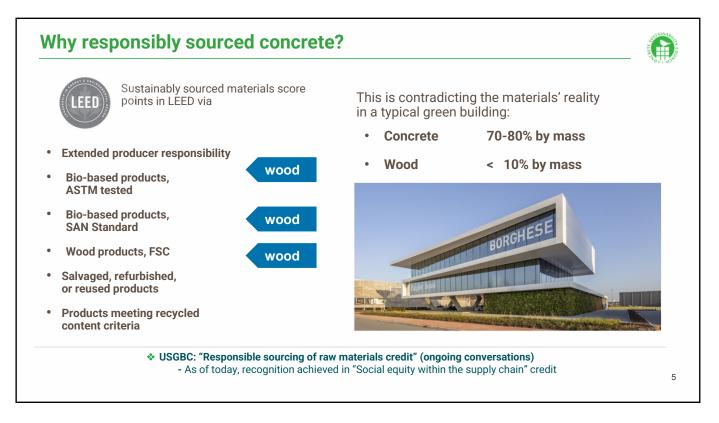
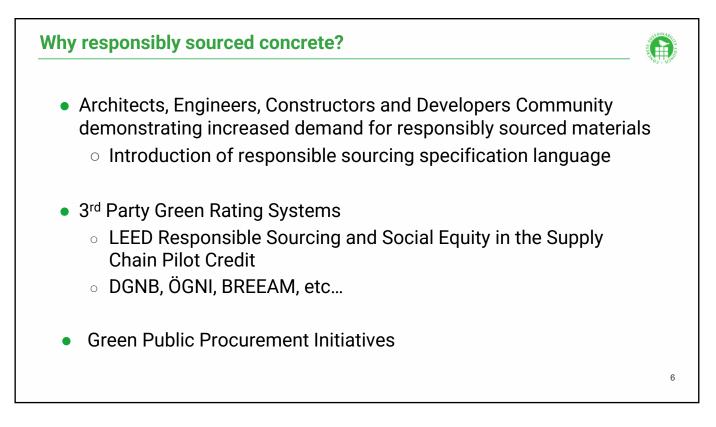


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# Why CSC?

#### Aim

CSC enables the concrete industry and its main suppliers - i.e. cement and aggregate industry to communicate and demonstrate the responsible sourcing credentials of its products



#### **Credibility and Influence**

CSC is independent and the certification process review is performed by independent certification bodies. CSC promotes knowledge sharing, outreach and awareness rising.

#### **Responsible sourced** concrete

Responsible sourcing is an issue in procurement, and increasingly in construction material procurement

### Collaboration



CSC is supported by competent and strong partners around de world, namely industry associations, certification bodies, concrete, cement and aggregates producers

- ... founded in November 2016
- ... the first & only certification system for
  - concrete established world-wide
- ... 'FSC for concrete'

### **Industry Focus**

Organized by industry, CSC certification provides concrete producers with the opportunity to gain an in-depth understanding of their sustainability performance, including its supply chain and take action

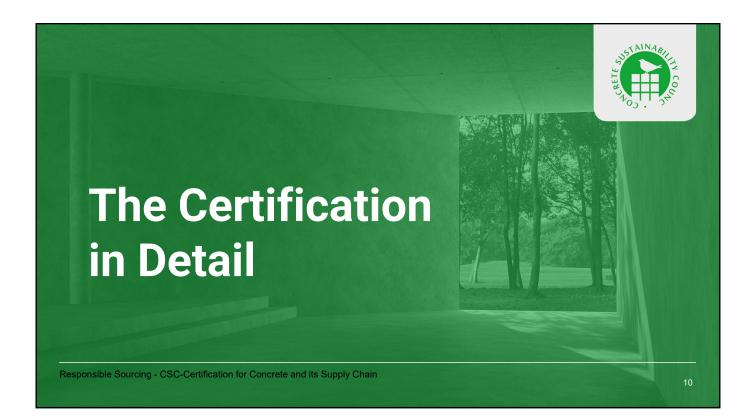
#### **Reward System making concrete** more sustainable



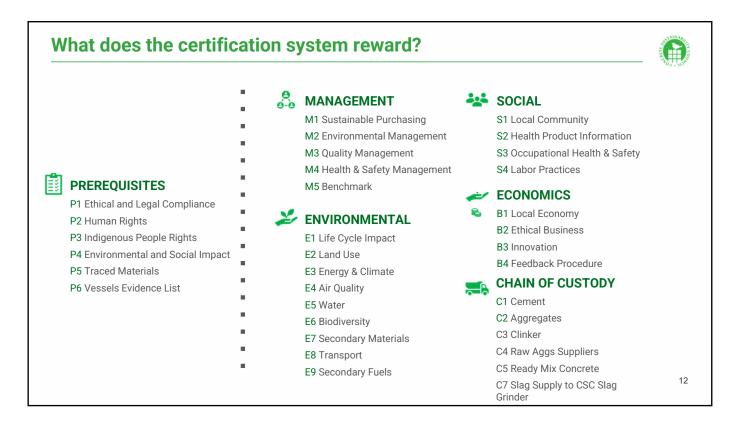
- CO2 emission reduction
- Fair business practice & compliance
- Enhancing biodiversity
- Excellence in occupational health & safety
- Moving towards circularity using water in a responsible manner
- Enhanced responsibility in the supply chain

8

Associations	Producers	Certifiers
U.S NRMCA	Buzzi Unicem	
Germany OBTB	CRH	
Netherlands etonhuis	Heidelberg Materials	USA/ Switzerland
Belgium	<del>с)</del> ноlсім	Netherlands
Italy	TITAN	KIWa∑ Germany ∨dz. 7
Global		
Europe EUROPEAN CONCRETE Middle East <u>Grey Matters</u>		Spain Arplus <sup>e</sup>

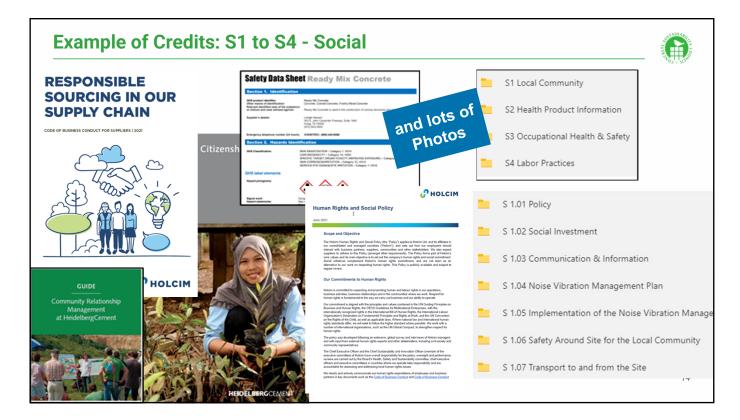






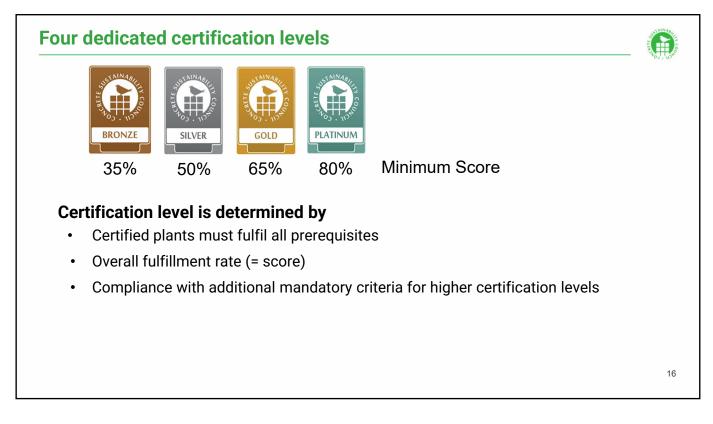
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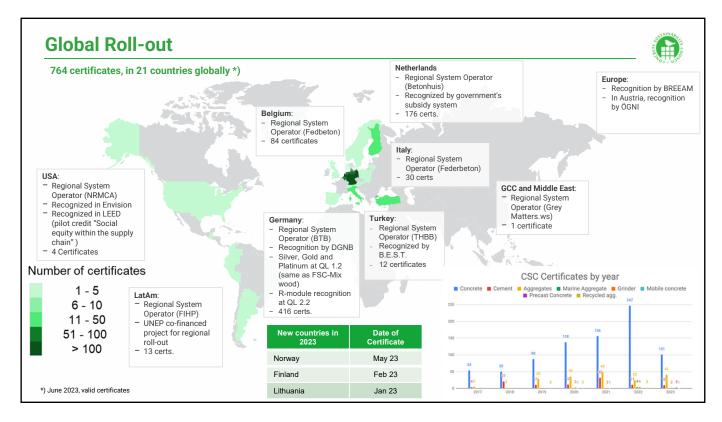
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Athena Sustainable Materials	www.athenasmi.org	CADMAN MATERIALS INC. DW/RDMDP/A, INCOLCT/DELAVATION Ma.2054M - Samter Part	CADMAN HEIDELBERGCEMENT Group	<b>-</b>	E 1.01 Sectoral Environmental Product Declaration
pirint.		This Environmental Product Declaration (EPO) reports the impacts for 1 m <sup>3</sup> of ready mixed connote mix, meeting the following specifications. • ASTM CAR Teach/Meed Connets	ENVIRONMENTAL IMPACTS Declared Product:	-	E 1.02 Implementation of Life Cycle Asessment LCA
A Cradle-to-Gate Life Cycle Assess Concrete Manufactured by NRMC		Ao 10 Cyb Readynhaid Colorbia (MBPIS Code 30111505: Ready Mix Concrete CBA 23.1x222: Concrete Materials and Methods of Concrete Concrete/Concrete Materials and Methods of Concrete Constitution CBI Division 03-30-00: Cast-In-Place Concrete	Mix 3CI5548 - Seath Plant Description 550 PB/3/4* 6* 5L AR Compressive strength: 3500 PB/st 28 days Declared Unit: 1 m <sup>3</sup> of concrete	= 0	E 1.03 Release of Environmental Product Declarations
This project report and its results are used to su average Environmental Product Declaration for		COMPANY Cadrain Materials Inc. 7554 3559-box NE Retined, WA 80502	Galard Warning Matchild (lg CD_c1c)     281       Gause Depletion Primetal (lg CD_c11cc)     1.4024       Additudue Primetal (lg CD_c1c)     1.4024       Balangebackies Primetal (lg CD_c1c)     4.37       Balangebackies Primetal (lg CD_cc)     3.41       Balangebackies Primetal (lg CD_cc)     3.41	=	E 1.04 EP Reporting of Product Specific Carbon Emiss
Comissioner: National Ready Mixed Co EPD Program Operator: NSF Internat	increte Association (NRMCA)	PLANT South Paul South, Vanpan Way S. South, Van Stri M EPO PROGRAM OPERATOR ASTIN Instructional VOB are Hysiked Date Wash Constructions, PA 19428	Assis Departs, unclear (r); 0:     EXE4       Assis Departs, unclear (r); 0:     Lss       Demotypication (human (r))     LSS       Operation (human (r))     LSS       Additional dial attriation (http://css.second.org/second.pli)	•	NRMCA industry wide EPD and participation confirmatic
Prepared by: The Athena Sustainable N	faseriais Institute	PCR for Concenter, NBF Hermational, Aug Buth-category PCR review was conducted by Independent verification of the declaration, a Third party writter Thomas P. Oknia () gorina() For additional e	enneder Ducksonfort in Elizifeig Products saves as the same PCR 2021 of 2 means and the advicatiography PCR Thomas P. Okar - Handler Extrange Consultants extending to 80 1400 2008. In Hennel 24 extend Advice analogy comp-In-backet of Edings Consultants adviced analogy comp-In-backet of Edings Consultants	•	Mix specific verified (Type II EPD and link to Program Operator and EC3 tool for more EPDs
November 2019 Updated February 20, 2020		Manufacture Representative: Erika Mac Software Tool CarbonCLARITY	ene (file a belong)t crightenenen) has (file a belong)t criedation Earlt (caport)(trininearlt.com) Statt August 1 Statt Au		



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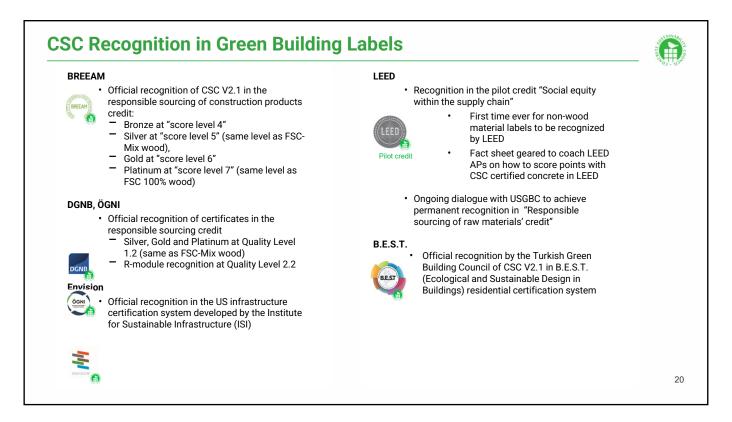


#### **LEED** recognition Ongoing conversations for recognition in "Responsible sourcing of raw materials credit" SOCIAL EQUITY WITHIN THE SUPPLY CHAIN LEED PILOT CREDIT Pilot Credit "Social Equity in the A. 12 .... Supply Chain" ation Cred SOCIAL EQUITY V 0000 First time ever for non-wood material labels to be recognized by LEED • Fact sheet geared to coach LEED APs on how to score points with CSC certified concrete in LEED 2 1 3 0 Wes Sullens, Director in the LEED team, said: "With this new Pilot Credit, we are further enhancing the LEED system towards responsible sourcing of 4 construction materials. It is key that material stewardship systems such as the Concrete Sustainability Council offer customers a clear guidance on the green profile of construction products and solutions." **a** :: 18

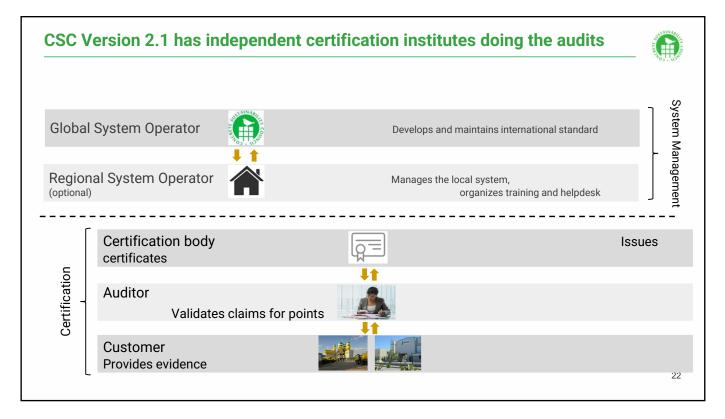
## **ENVISION recognition**

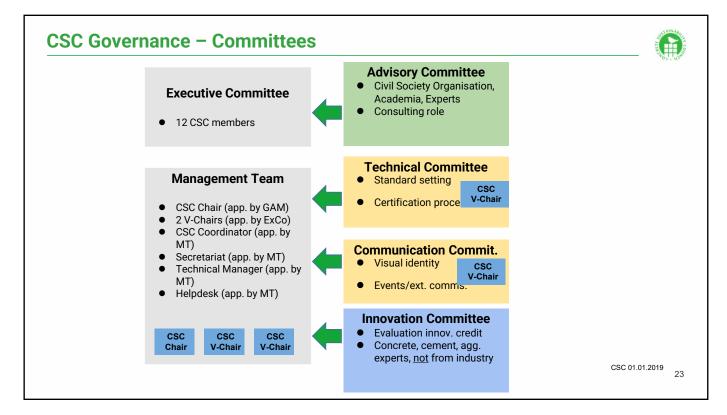
Recognized for contributing to requirements on credit RA1.1 (Support Sustainable Procurement Practices). Ongoing conversation for recognition on RA1.2 (Used Recycled Materials) with the R-module and in CR1.2 (Reduce Greenhouse Gas Emissions) with the CO2-module.

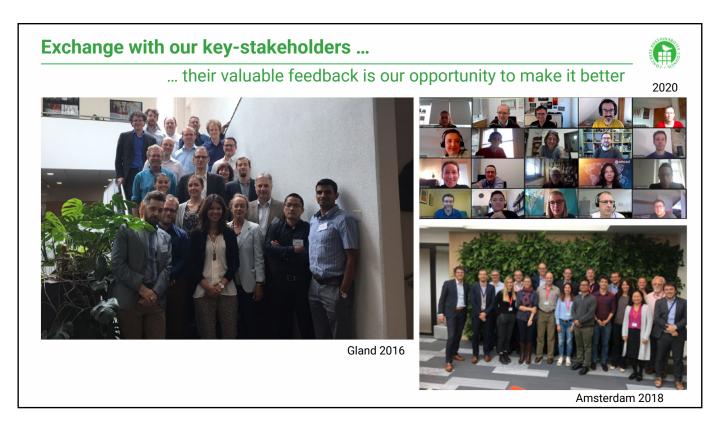














# **Benefits of the CSC Certification**

- $\Rightarrow$  For the **Concrete sector and its supply chain**, this includes
  - Promoting concrete as <u>the sustainable construction</u> <u>material</u> of choice
  - Pro-actively shaping the public perception of the concrete industry to secure the overall market share of concrete in construction
  - Conveying of a firm <u>positive</u> positioning against other building materials: Mainly wood (generally perceived as THE MOST SUSTAINABLE CONSTRUCTION MATERIAL) and steel

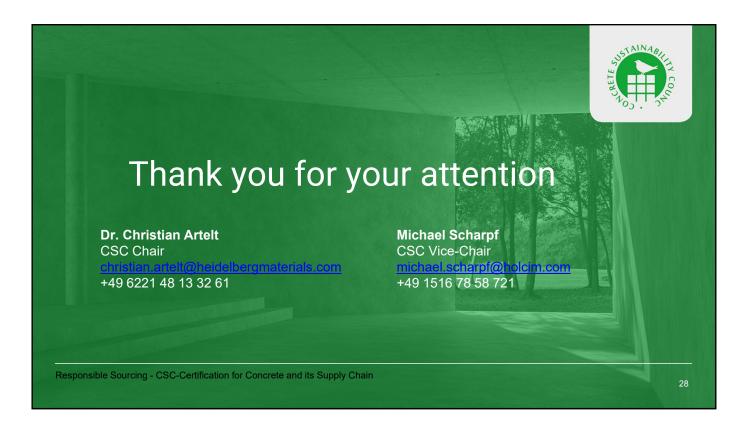


## Benefits of the CSC Certification

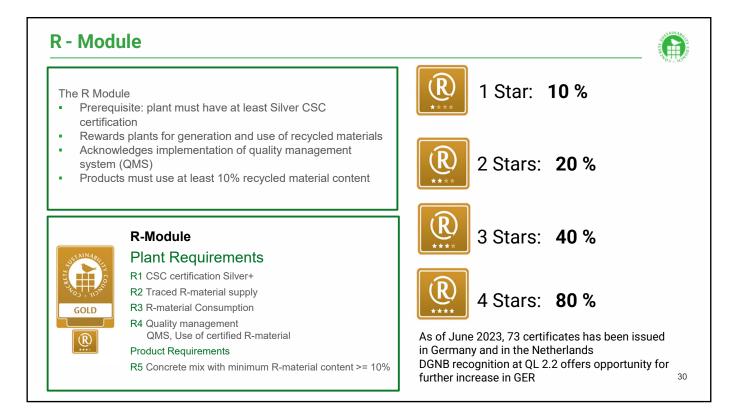
- Opportunity to differentiate and to perform in LEED and in Public Procurement:
  - CSC certification is increasingly gaining recognition in Green Labels such as LEED (buildings) or Envision (infrastructure)

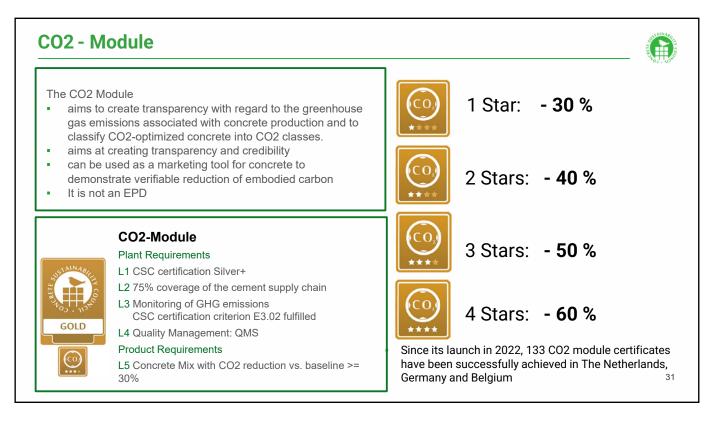


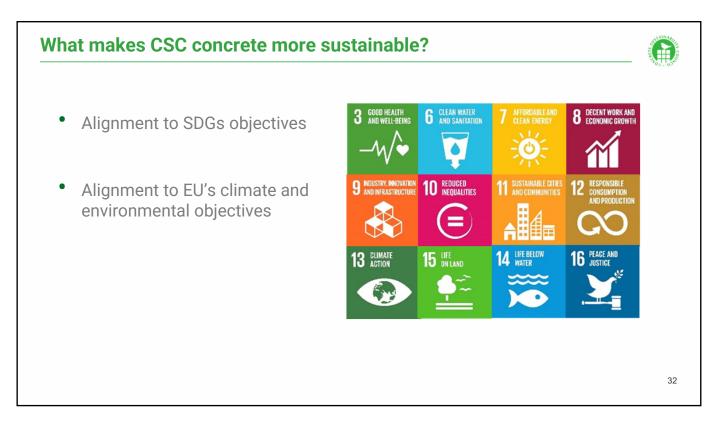




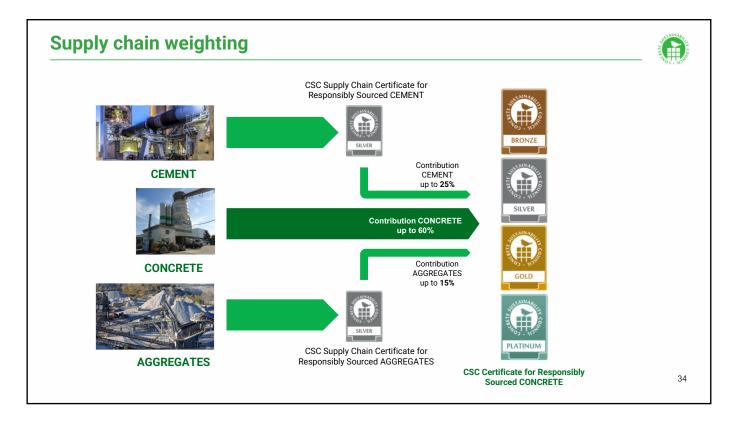












## 2023 Concrete Innovations www.concreteinnovations.com

	BES 6001 Framework Standard for Responsible Sourcing	All (Issue 3)	n/a	5 (Baseline score <sup>3</sup> )
		All (Issue 4)	n/a	6
ρ		All (Issue 4)	The following have been achieved/scored: 4.3.1.3 (two points for 4.3.1)	7
ummarising RSCS ev Concrete Sustainabil	2	3	Plus one or more of the following: 4.3.2.4 (three points for 4.3.2), 4.3.3.4 (three points for 4.3.3), 4.2.4.4, or	
			4.4.9.2 (at least one point for 4.4.9).	
	CARES Sustainable Constructional Steel Scheme	All	n/a	5
	Concrete Sustainability Council	Certified concrete (bronze level)	n/a	4
	(CSC)	Certified concrete (silver level)	n/a	5
		Certified concrete (gold level)	n/a	6
		Certified concrete (platinum level)	n/a	7
	Eco Reinforcement Responsible Sourcing Standard, Steel Products for the Reinforcement of Concrete	All	n/a	5
	FSC	'FSC 100%'	n/a	7
		'FSC Mix' 'FSC Recycled'	n/a	5
	PEFC	'PEFC Certified - 100% PEFC Origin'	n/a	7
		'PEFC Certified' 'PEFC Recycled'	n/a	5