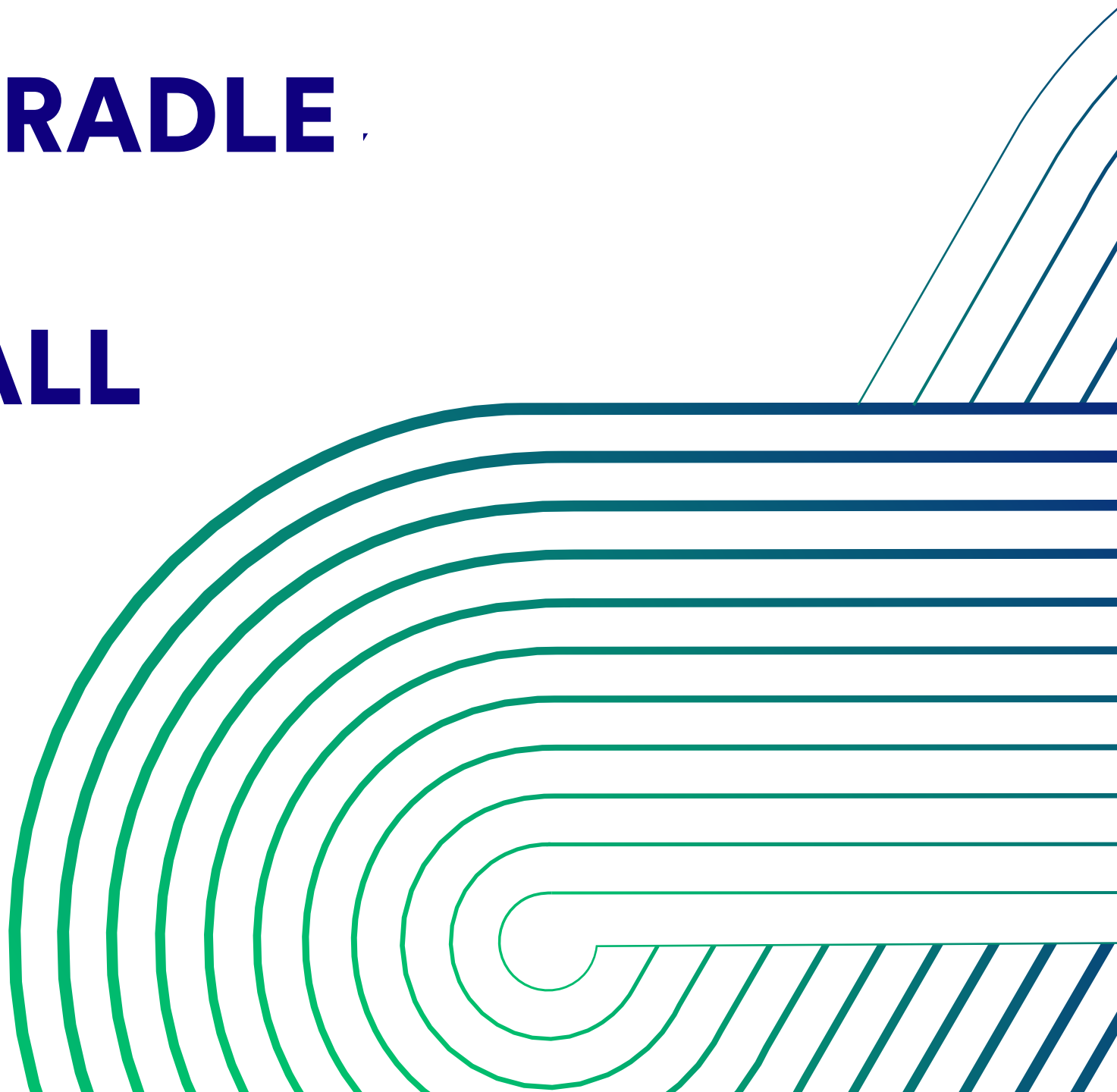


CRADLE TO CRADLE CERTIFIED ASSESSOR CALL

14 December 2021

cradle to cradle
products
innovation
institute



AGENDA

- Institute updates
- Certification updates
 - General updates and reminders
 - Version 4.0 RSL Declarations
 - Version 3.1 ASF updates
- Guiding principles for Assessors
- Assessor community engagement
- Q&A

INSTITUTE UPDATES



Sebastian Häfele

Certification Director

KEY INSTITUTE ACHIEVEMENTS 2021

Release of C2C Certified Product Standard Version 4.0

Release of Version 4.0 user guidance

Internal scoping study for impact reporting framework

Selection and start of on-boarding of new C2C Certified assessors

Growth of C2C Community and number of certifications

Introduction of Community fee and related benefits

Deepened user group engagements

Virtual annual events: Circular Shift Amsterdam & NY

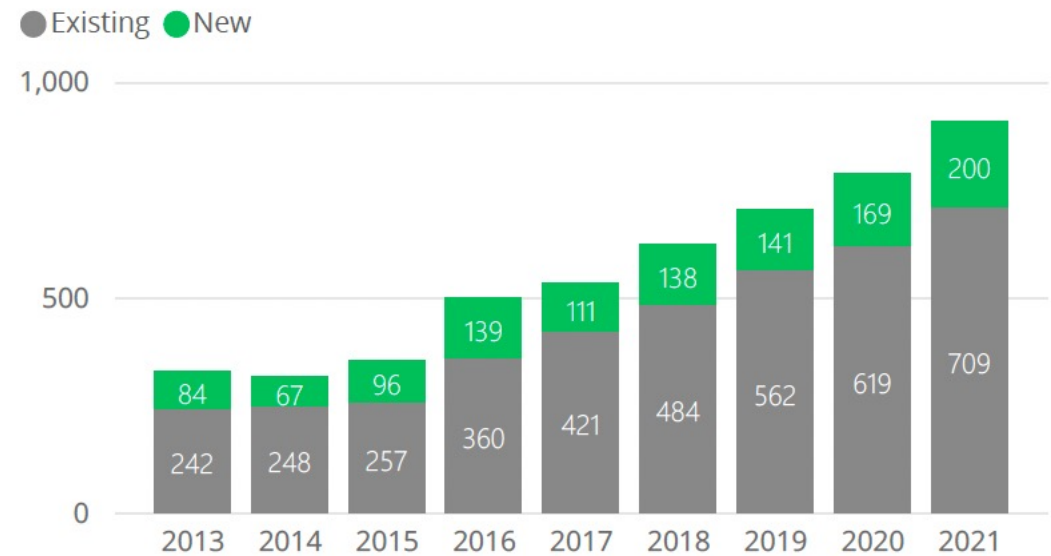
Roll-out of new Institute brand identity

Investment in technical and marketing staff resources

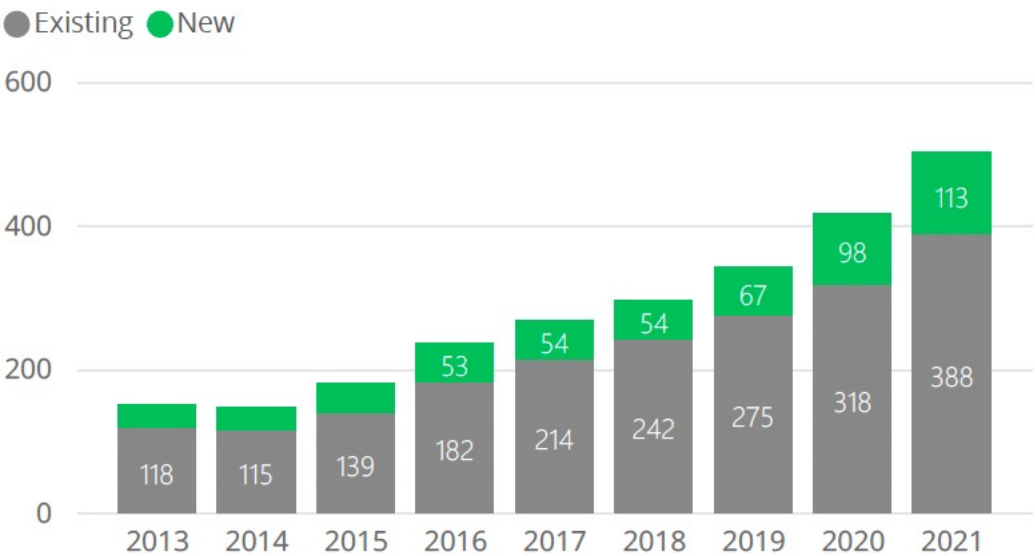
CONTINUED PROGRAM GROWTH

STATUS: OCTOBER 2021

GROWTH IN TOTAL CERTIFICATIONS



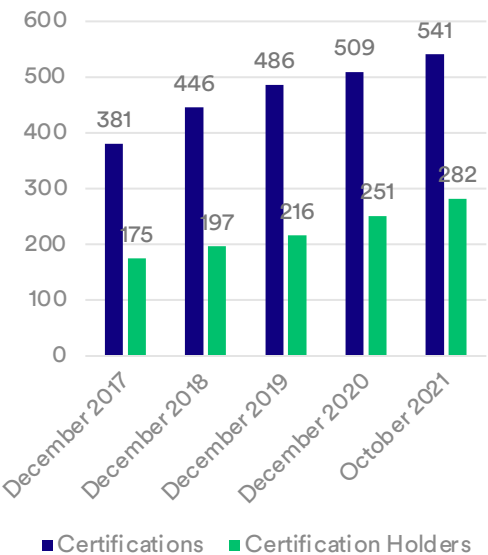
GROWTH IN TOTAL CERTIFICATION HOLDERS



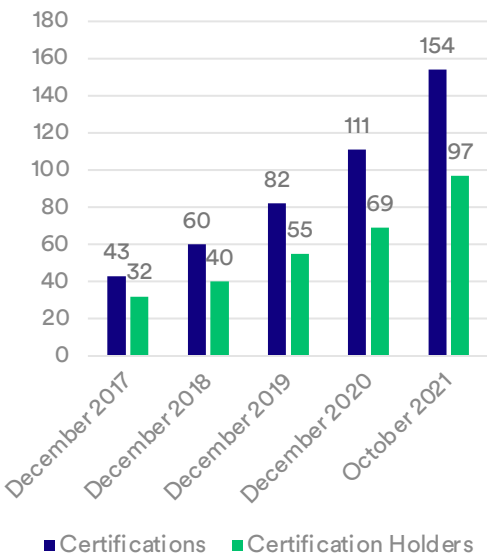
GROWTH IN KEY SECTORS

2017 – 2021 (5 YEARS)
STATUS: OCTOBER 2021

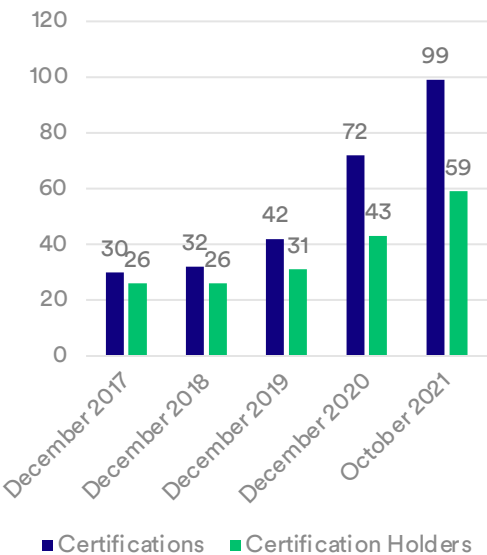
BUILT ENVIRONMENT & FURNISHINGS



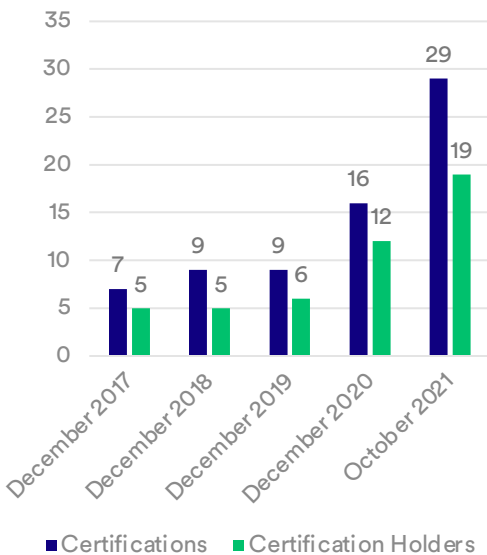
TEXTILES, APPAREL & FOOTWEAR



PACKAGING, PRINT & PAPER



BEAUTY & PERSONAL CARE



C2CP II STRATEGIC PLAN 2020 – 2022

CORE FOCUS AREAS

1.
**ACCELERATING
SCALE AND
IMPACT**

2.
**ACTIVATING OUR
GLOBAL
COMMUNITY**

3.
**BUILDING
ORGANIZATIONAL
EXCELLENCE**

PRIORITIES FOR 2022

- Continued evolution of Cradle to Cradle Certified Products Program
 - Roadmaps to the future
 - Sector specific guidance documents
 - Enhanced technical templates, methodologies and assessments forms
 - Reporting formats and impact assessment
 - White papers
 - Online training courses
 - Recognition in / of defined industry schemes and public policies
- Development of technology platform for scaling certification process and material health assessments

PRIORITIES FOR 2022

- Expansion of user groups and cross-sectorial/value chain exchange formats
- Evolution of C2C Certified assessor model and setup of credentials for consultant network
- Launch of new Institute website, product registry and Community intranet
- Consumer baseline study and development of digital campaign
- Growth of Cradle to Cradle Community and international staff team
- Setup of best-in-class Institute governance structure

KEY SECTOR FOCUS FOR 2022

TO GROW

- Built environment & furniture
- Apparel, textiles & footwear
- Cosmetics & personal care
- Cleaning & household products
- Packaging & print

TO BUILD

- Electronics
- Automotive
- Kids toys

CERTIFICATION PROGRAM UPDATES

Susan Klosterhaus

VERSION 4.0 PILOT PROGRAM

c2ccertified.org/products/registry

Interior Design & Furniture Silver V4.0 Pilot



EcoWorx® Tile Carpets
SHAW INDUSTRIES GROUP, INC.

EcoWorx® Tile Carpets are carpet tiles for commercial applications, featuring the EcoWorx® Tile backing...

Electronics Bronze V4.0 Pilot



Beosound Level
BANG & OLUFSEN A/S

Beosound Level is a portable WiFi speaker that is designed to deliver superior sound. The modular design is as...

Packaging & Paper Bronze V4.0 Pilot



Packaging for Semaglutide 2.4 mg
NOVO NORDISK A/S

The packaging material for Semaglutide 2.4 mg, including the carton box and partition board.

Interior Design & Furniture Silver V4.0 (Draft 1)



Rockfon Acoustic Solutions - Silver
ROCKFON, MEMBER OF ROCKWOOL GROUP

Acoustic ceiling and wall products made from stone wool. They are designed to be resistant to mold,

Building Supply & Materials Gold V4.0 (Draft 1)



Generation FUTURO
FLUMROC AG

The Generation FUTURO stone wool insulation products of Flumroc are manufactured with a natural binder. A...

C2CPH-RECOGNIZED PROGRAMS

- Requirements and process in the Version 4.0 User Guidance (Appendix 2)
- Defined requirements for a program, standard, or testing method to receive recognition in Version 4.0
- Application form available on Version 4.0 page of the C2CPH website
- Direct inquiries to C2CPH; We will reach out to interested programs
- C2CPH will also target relevant programs and invite them to apply

UPDATED C2CPH CERTIFICATION AGREEMENT

- Changes made in response to recent feedback from new applicants
- New agreement is now being used with new applicant companies
- No action from assessors is needed
- Please send any inquiries from applicant companies to C2CPH

MATERIAL HEALTH ASSESSOR ATTESTATION FORM

- **Effective 1 December 2021**, a completed and signed Material Health Assessor Attestation Form must be submitted to C2CPH with each Assessment Summary Form (ASF) in cases where the lead Assessment Body is not authorized to conduct Material Health assessments and therefore did not conduct the Material Health assessment for the product.
- This new form was developed to ensure that all Material Health assessments are in conformance with the requirements of ISO/IEC 17021-1 and 17065, the standard, and the assessment methodologies.
- Attestation form is available on the Assessor Resources page

ASSESSOR VERSION 4.0 FORMS & TEMPLATES

- In 2022, C2CPH will be developing additional forms and templates as needed for the collection of Version 4.0 assessment data
- Please let us know if any additional forms are needed so that we can create these
- Assessors may develop and use their own forms if they are pre-approved by C2CPH prior to use
- Please send all draft forms to certification@c2ccertified.org for our review and approval

OTHER REMINDERS

- Covid-19 site visit policy extended through **31 March 2022**
- C2CPH will have limited processing of requests and submissions to the certification inbox during the December holidays, and **certification operations will be on hold between 24 December and 2 January.**

VERSION 4.0 ASSESSOR TRAINING

- Development on-going; estimated completion end of Q1 and Q2 2022
- Will complete Material Health training first, then other categories
- Using new online training platform, will be accessible 'on-demand' to all assessor staff
- Please send questions to the C2CPH certification team as needed

ASSESSOR PERFORMANCE

- AB audits will continue in Q3/Q4 of 2022 (virtual option to be considered)
- C2CP II will be updating AB Accreditation Policy and Assessment Manual to clearly communicate expectations and performance metrics
- Will provide the performance results to each AB lead 1-2 times per year
 - Relative performance of each project manager/assessor
 - Relative performance of the AB compared to other ABs (only aggregated/anonymized data will be shared with other ABs)
- Share aggregated/anonymized data at assessor meetings

VERSION 4.0 RSL DECLARATION UPDATE

Chris Helt

RSL DECLARATIONS ISSUE UPDATE

In Version 4.0, a new compliance pathway will be allowed using **full material disclosure attestation**. Details to be added to Version 4.0 User Guidance:

- All companies sign attestation for BoMs indicating that the list is complete and represents all intentional inputs and known chemicals.
- **MH Assessors to review BoM, confirm RSL compliance*, and sign RSL declarations**, using company's attested full material disclosure.
- *In lieu of full material disclosure*, the original compliance pathway of company-signed RSL declarations can be used.

Updates:

- Version 4 Guidance update.
- Attestation language to be added to BoM.
- RSL lookup tool to be added to BoM.

* *MH assessor will be required to review and check for RSL compliance in all cases*

VERSION 3.1 ASSESSMENT SUMMARY FORM UPDATES

Esther Julier

VERSION 3.1 ASF UPDATES

- Updates have been made to both the full ASF and Material Health Certificate ASF
- Available on the [Assessor Resources](#) page since early November
- Additions made for reporting on use of the Material Health Assessment Methodology updates
- Other additions and improvements made throughout with the aims of
 - Avoiding the need to ask common audit questions
 - Reminding about certain methodology requirements that are less commonly encountered because they are only applicable to certain material or product types

VERSION 3.1 ASF UPDATES

Material Health Assessment Methodology updates

New lines in the Material Health and Water Stewardship sections to indicate that the updates to the Material Health Assessment Methodology have been employed.

- Material Health, Section 5.4.2 Assessment Table
- Water Stewardship, Section 8.7 Results of Effluent Chemicals Characterization and Assessment



The Updates to the Material Health Assessment Methodology (2020) have been employed (*required for applications received on or after January 1, 2022 for Version 3.1 applications*).

VERSION 3.1 ASF UPDATES

Specialized Material Health Assessment Methodologies

New and expanded sections for confirming that the requirements of the biological, geological, polymer, and recycled content assessment methodologies have been applied as required. Including:

- Lines for indicating what Recycled Content Assessment Methodology has been employed – Version 3.1 (2017) or Version 4.0 (2020). (Reminder: either may be applied under Version 3.1)
- Lines for confirming that analytical test results demonstrate compliance with required limits. The limits themselves are newly listed in several cases.
- A place to note the subject to review limit that was applied for monomers – 1000 ppm or 100 ppm (Reminder: either may be applied for Version 3.1 although there are still limitations on the exposure assessment for monomers when applying under Version 3.1).

VERSION 3.1 ASF UPDATES

Specialized Material Health Assessment Methodologies

5.3 Banned List Compliance (Basic)

5.3.3 Geological Materials

Check the boxes if the following statements are true.

☐

The product contains one or more geological materials. The geological material(s) have been tested as required per the Geological Materials Assessment Methodology. The following limits have been achieved: Arsenic (47 ppm), cadmium (17 ppm), chromium VI (0.2 ppm), lead (160 ppm), mercury (94 ppm). *Note: these are leaching limits.*

Test report(s) are attached. The filename is: [...].



Additional explanation (if needed): [...]

☐

Required for indoor use products containing bitumen, tar, and/or other complex/variable fossil-derived distillation residues. VOC emissions testing per standard section 3.9 has been conducted. Test reports are attached. The filename is: [...].

Note: this testing is required in all cases at the Basic level, although it may not be relevant to banned list compliance.

VERSION 3.1 ASF UPDATES

Specialized Material Health Assessment Methodologies

5.6 Determining Absence of CMR Substances (Silver)

5.6.1 Geological Materials (Silver)

Required for indoor use products that contain rock or stone-based material (e.g., granite) or industrial by-products defined as geological materials (e.g., coal fly ash, phosphogypsum, blast furnace slag). Material(s) have been evaluated for the presence of radium, thorium, and potassium 40 (K40).

☐

Material type(s): [...]

The activity concentration index (I) is: [...]

Test results file name: [...]

Literature review file name (if relevant): [...]

Required for materials that contain bitumen, tar, and/or other complex/variable fossil-derived distillation residues. Material(s) have been tested for the polycyclic aromatic hydrocarbons (PAHs) covered by REACH Annex XVII Article 50 at a minimum. The sum concentration of tested PAHs is < 100 ppm.

☐

Required for indoor use products containing bitumen, tar, and/or other complex/variable fossil-derived distillation residues. The product has undergone VOC emissions testing per standard section 3.9. CMR substances have not been emitted above the detection limit, or detected CMRs are below $(0.01) \times [\text{the lower of the TLV or MAK value}]$.

☐

VERSION 3.1 ASF UPDATES

Other reminders and improvements added throughout

- Reminder to provide a signed Material Health Assessor Attestation Form
- Clarifying language change; 'Spec Sheet' is now referred to as 'List of Certified Products'
- Reminder to apply the calculation methods for wet-applied products and liquid formulations when calculating the Material Reutilization score for these product types
- Expanded set of questions regarding the Innovative Social Project
- New brand colors implemented

VERSION 3.1 ASF UPDATES

- Please begin using these forms immediately in your assessments
- Reminder: The ASFs were not, and still are not, totally comprehensive; there will still be a need to refer to the V3.1 Standard, V3.1 Guidance, and the Material Health Assessment Methodologies

GUIDING PRINCIPLES FOR ASSESSORS

Institute values & culture

Positive impact lies at the core of every decision we make and action we take.

The values that guide us:

- **Excellence**
- **Integrity**
- **Inclusion**
- **Collaboration**
- **Innovation**

Assessor Community principles

- **Demonstrate professional integrity.** Enact fair, transparent and ethical business practices at all times.
- **Prioritize scientific excellence.** Maintain technical competency and always adhere to the highest levels of technical and scientific rigor.
- **Foster collaboration.** Partner with the Institute and the assessor community using a solutions-oriented mindset to maximize the value and impact of Cradle to Cradle Certified.

Assessor Community principles

- **Champion inclusion.** Actively cultivate an inclusive, engaged workforce and wider community that prioritizes equity and invites, supports, and respects all forms of diversity.
- **Share a future-positive spirit.** Inspire and accelerate positive transformation through the exchange of ideas, knowledge and successes.

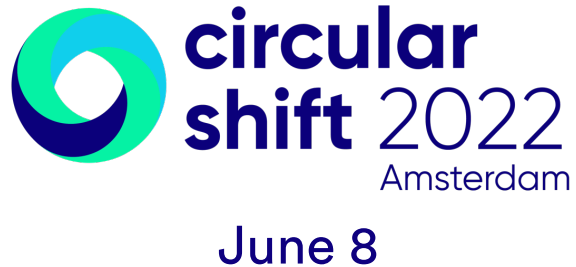
ASSESSOR COMMUNITY ENGAGEMENT 2022

ENGAGEMENT FORMATS 2022

- Monthly emails
- Quarterly Assessor Calls (90 minutes)
4:30-6pm CET | 10:30am-12pm ET | 7:30-9am PT
 - Q1 – Wednesday, 2 March
 - Q2 – Wednesday, 11 May
 - Q3 – Wednesday, 14 September
 - Q4 – Wednesday 7 December
- Bilateral market development calls – 2 times per year
- (in-person) Assessor Meeting – 9 June to align with Circular Shift on 8 June

INSTITUTE EVENTS 2022

Annual events



Regional gatherings & workshops in 2022

- United States
- Canada
- Brazil
- Europe: Germany, Austria, Netherlands, UK, Italy, France, Spain, Denmark
- Australia
- South & East Asia

Q&A

cradle to cradle
products
innovation
institute



THANK YOU

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