

Global GreenTag^{Cert™}

Certification Program

EPD PROGRAM: REVIEWER QUALIFICATIONS
FOR VERIFICATION REPORTS - PUBLIC v1.0



GLOBAL
GREEN TAG
INTERNATIONAL^{PTY LTD}

green product certification
trust brands

**Life Cycle Inventory
Reviewer
Qualifications**

Applicable to

Verification Reports

for

**The Global GreenTag
Environmental Product Declaration (EPD)
Program**

prepared for

Global GreenTag International Pty Ltd

by

The Evah Institute

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Introduction

This report was compiled by the Evah Institute on behalf of Global GreenTag about reviewer qualifications applicable to Life Cycle Inventory (LCI) verification reports for Life Cycle Assessment (LCA) used in environmental product declarations (EPDs) issued under the Global GreenTag EPD Program.

Aim

The purpose was to document selection criteria of reviewer qualifications in verification of LCI developed by Ecquate Pty Ltd, The Evah Institute and/or Global GreenTag International Pty Ltd or Global GreenTag Pty Ltd and EPDs issued by any of these entities.

Method

Table 1 lists prerequisites for LCI data reviewers from the International Reference Life Cycle Data System (ILCD) Handbook developed by Institute for Environment and Sustainability in the European Commission Joint Research Centre (JRC) in co-operation with the Directorate-General for the Environment¹.

Table 1 Essential Requirements for Eligible EPD Reviewers

Topic knowledge	Criteria
1. Generally of environmental matters	Industry related
	Product-related
2. Good on process & product	Infrastructure & Industrial Operation &/or Manufacture Building Product
	Property Development Expertise & or Asset Management Experience
3. in depth of ISO 14040 LCA	>5 years experience in ISO 14040 LCA method series related practice
4. In-depth on standards relevant to	ISO 14025:2006 & EN15804:2012+A1:2013
	Environmental labelling & EPD declarations
5. Undertaken ≥3 independent 3rd party LCA reviews compliant ISO 14044:2006 Sect 6 requirements	>1 LCA study involving assessment of multiple environmental impacts
	Shown by evidence of critical independent review of in/ external studies
	In panel review according to ISO 14044 Section 6.2 & 6.3
6. Overall regulatory framework in EPD introduced	Refer General Program Instructions, Section 5.7.3.
	Compliance with Relevant Environmental Legislation
7. In-depth International & Australasian EPD Programs	The International EPD® System
	Australasian EPD Program General Program Instructions
8. Auditing management systems	Following ISO 19011 Guidelines criteria for auditor skills & competences

Table 2 lists the eligibility scoring system also extracted from the ILCD Handbook². It shows the minimum LCI reviewer's qualifications score is 5 points and the maximum LCI reviewer's qualifications score is 32 points.

¹ European Commission - Joint Research Centre - Institute for Environment & Sustainability: International Reference Life Cycle Data System (ILCD) Handbook - Reviewer qualification for Life Cycle Inventory data sets. 1st Ed March 2010 EUR 24379 EN Luxembourg Publications Office of the European Union; 2010 page 10 http://eplca.jrc.ec.europa.eu/?page_id=86

² ILCD Handbook: First edition 3 Reviewer qualification for Life Cycle Inventory data sets page 10

Table 2 LCI Data Reviewer Qualifications Scoring System

Topic		Experience Criteria	Barrier to	score				Max	Min
Metrics	Scoring	minimum	Pass entry	1	2	3	4	score	score
1. Verification & Audit Practice	Mandatory	Years work ³	3 years	3-4	5-8	9-14	>14	4	1
		Number Reviews ⁴	3 reviews	3-5	6-15	16-30	>30	4	1
	Optional	Scores ⁵ for EPD Scheme, ISO14001 or other EMS	Accredited 3rd party reviewer for >1 EPD Scheme				2		
			Attended courses on environmental audits >40 hrs				1		
			Chair >1 review panel for LCA study or Enviro app				1		
Qualified trainer in environmental audit course				1					
2. LCA methodology & Practice work	Mandatory	Years work ⁶	3 years	3-4	5-8	9-14	>14	4	1
		LCI datasets ⁷	5*(10 LCI)	5-8	9-15	16-30	>30	4	1
	Optional	LCA projects & papers	> 5 articles in peer-review journals or books				1		
			Worked >3 research projects on issue/case study				1		
3. Technology ⁸ or experience represented by LCI datasets	Mandatory	Recent years ⁹	3 years	3-5	6-10	11-20	>20	4	1
	Optional	Formal Scientific Qualification	At least one PhD obtained				1		
			≥1 Master thesis or equivalent completed				0.5		
		Ex Private Sector	≥ 3 years experience in professional work				1.0		
	In Private Sector	0.5 point for each added industry sector up to 5				2.5	0.5		
Point Score			Overall Maximum Possible				32	5	

These two preceding qualification tables were compared to professional attributes of professionals currently involved in LCA related work in global supply chain assessment of submissions for attainment of 3rd party certified ecolabels and to develop 3rd party certified Environmental Product Declarations (EPDs).

Results

In the following sections qualifications are tabled for each of the following people to act as LCI reviewers. Table 3 lists practitioners contact details.

Table 3 LCI Data Reviewers Qualification Scores

Professional	Email Contact	https://www.linkedin.com/in/
Mathilde Vlieg	mathildevlieg@gmail.com	mathildevlieg/
Murray Jones	murrayjones@internode.on.net	murrayj/
Shloka Ashar	shloka2803@gmail.com	shloka-parikh-89878223/
David Baggs	david.baggs@globalGreenTag.com	davidbaggs/
Delwyn Jones	delwyn@evah.com.au	delwyn-jones-42473a29/

3 Years of experience in the field of review & audit in the environmental field

4 Number of reviews as a reviewer, or ISO 14025 compliant verifications of EPDs, or LCI data sets

5 Additional scores are complementary & scores are maxima unless otherwise stated e.g. 1 point not 5 for peer-reviewed LCA papers

6 Years of experience in LCA work, starting from University Masters or Bachelor degree if Master thesis on LCA

7 Participant in LCI dataset development/modelling in LCI database as verified or documented. 10 data sets = 1 "experience

8 Qualification of technologies or activities knowledge is according to NACE code classes (Regulation (EC) No 1893/2006 of the European Parliament & of the Council of 20 December 2006. Equivalent classifications apply. Experience in sub-sector valid for sector

9 Years of professional production, R&D or environmental work in private sector, technology or system of LCI under review

Mathilde Vlieg

Table 4 summarises Mathilde Vlieg's LCI data reviewer eligibility score of 19 out of 32 points.

Table 4 Mathilde Vlieg LCI Reviewers Eligibility Score Jan 2016

	Score Topic	metrics	Minimum Experience Criteria	Score	
Mandatory	Verification & Audit Practice in last 20 years	Years work ¹⁰	3 years in last 10 in The Netherlands for clients & in Australia at: <ul style="list-style-type: none"> • Certifier Global GreenTagCert™ EPD Program Operator, ISO 14024 Type 1 Ecolabelling, & ISO 140040, 14044 & 14067 compliant LCA; • The Evah Institute review of certifier & 3rd party audited LCI allocation. • VliegLCA 3rd party reviewer whole building LCA report for Ecquate 	1.0	
		Number Reviews ¹¹	>30 reviews in Australia at: <ul style="list-style-type: none"> • Global GreenTag of PCRs & methodology for EPDs & client LCI recipes • The Evah Institute LCI, LCIA & PCR methods for ISO compliant EPDs. • VliegLCA reviewer of 7 story building & greenhouse LCA for Ecquate¹². 	4.0	
	LCA methodology & Practice work	Years work in last 20	3 years from The Netherlands for clients & in Australia working at: <ul style="list-style-type: none"> • Ecospecifier in Life Cycle Thinking (LCT); • Global GreenTag in LCA, Type 1 Ecolabelling and ISO 14025, 21930 & EN 15804 compliant EPDs; • Evah Institute: LCI, LCIA & Life Cycle Benefit Assessment plus PCR and EPD standards and method. Contributor to LCI & LCIA software coding for LCADesignStudio incubator for SME & Intern training • VliegLCA on methodology for building & greenhouse gas modelling. 	1.0	
		LCI recipes done	Compiler >300 individual LCI recipes for product & supply chains as primary: <ul style="list-style-type: none"> • developer of the South African LCI database at The Evah Institute & • developer of the VliegLCA global LCI database 	4.0	
	Technology or action	Recent year	3 years work in NL, Ecospecifier, Global GreenTag & The Evah Institute	1.0	
Optional	Verification & Environmental Audit	EPD, EMS or ISO14001	Accredited 3rd party reviewer for Global GreenTag & Evah EPD Scheme	2.0	
			Audits Dormitory Buildings LCA reports & EPDs.	1.0	
	LCA method & Practice	LCA projects & papers	Participant in >3 LCARate case studies @ The Evah Institute in last 3 years. Written Papers & platform presentations of New Forest LCA Methodology	1.0	
	Technology ¹³ or experience represented by LCI datasets	Formal Scientific Qualification	Master thesis in The Netherlands & internships at Global GreenTag & The Evah Institute in Australia on LCI database development. NACE: J - ICT	0.5	
			Ex Private Sector ≥ 3 years	e. g. Kistkruk stool in social workshops. Australasian OpenLCA facilitator & recoded LCI population; co-develop Life Cycle Benefit Assessment, LCADesignStudio NACE: M - Professional, scientific & technical.	1.0
		Evah Institute	South Africa Coal	B - Mining & quarrying	0.5
			South Africa Power Supply	D - Electricity, gas & air supply	
		VliegLCA Consultant & Evah Associate for GGT	South African Carpet	C – Manufacturing	0.5
			Insulation	H - Transport & storage	
			Australian Forestry 4 states	A - Agriculture, forestry & fishing	0.5
			Australian MDF 3 states	F - Construction	
		Compactus & Shelving	N - Administrative & support service	0.5	
		Ceiling Tiles	P – Education Q – Health O - Government		
	Hot & chill Water Urn	I : Accommodation & food service	0.5		
	Waste Diverter	E - Water; sewerage; waste,			
Total		Point Score	19		

¹⁰ Years of experience in the field of review & audit in the environmental field

¹¹ Number of reviews of ISO 14025 compliant LCI data sets

¹² LCI database & LCA method developer, Division of Ecquate Software developer LCIA automated off Building Information Model (BIM)

¹³ Qualification of technologies or activities knowledge is according to NACE code classes

Murray Jones

Table 5 lists Murray Jones LCI data reviewer eligibility score of 20.5 out of a maximum 32 points.

Table 5 Murray Jones LCI Reviewers Eligibility Score 2016

Score Topic	metrics	Minimum Experience Criteria	Score		
Mandatory	Verification & Audit Practice in last 20 years	Years work ¹⁴	>9 <14 years in BIM LCA software audit at CRC CI ¹⁵ , CSIRO ¹⁶ & Ecquate Pty Ltd ¹⁷ , also PCR Moderator for Global GreenTag EPD Program Operator, ISO 14024 Type 1 Ecolabelling, & ISO 140040, 14044 & 14067 compliant LCA	3.0	
		Number Reviews ¹⁸	>6 <15 reviews of LCA software documented for CRC CI & Ecquate; of LCA BAU product for The Evah Institute, as PCR Moderator for Global GreenTag Program Operator ISO 14025, 21930 & EN 15804 compliant EPDs	2.0	
	LCA methodology & Practice work	Years work in last 20 ¹⁹	9 to 14 years LCA software development at CRC CI & CSIRO; LCA practice at Ecquate & Evah on LCA Buildings & Business as Usual (BAU) products	3.0	
		LCI recipes done ²⁰	50-80 building product LCI modelled at Ecquate with Evah for whole building LCA in Greenhouse Emission Reports Compiled >30 LCA reports on BAU products including scoping, supply chain mapping for all key LCI recipes. All are recorded in LCI databases the system operator has evidence of them	2.0	
	Technology or activity	Recent year ²¹	>6 <10 years participant in LCI >30 BAU product in Global GreenTag LCI databases	2.0	
Optional	Verification & Environmental Audit Practice	EPD, EMS or ISO14001 Scheme	Chaired >1 LCA BIM environmental app study review panel for CRC CI	1.0	
			Audits Evah LCA reports & EPDs. Audits LCIA algorithm in software development. Audit of BIM LCA software malfunctions & user issues	1.0	
	LCA method & Practice	LCA projects & papers in last 10 years	>5 <8 Years Experience in LCI database & LCIA Software development	2.0	
			Participant in >3 LCADesign research projects & issues & Project on whole building greenhouse gas emissions & product LCA case studies	1.0	
	Technology ²² or experience represented by LCI datasets	Ex Private Sector ≥ 3 year	CRC CI & CSIRO, Taught >100 LCADesign 1&2 days courses at Universities of NSW & Wollongong: J - Information & communication. ALCAS member.	1.0	
		Ecquate Pty Ltd LCA of	Dormitory Buildings	P – Education O - Government,	0.5
			Hospital Buildings	Q – Health	
		Evah Institute LCA of	Global Aluminium	F - Construction	0.5
			National Concrete Market	B - Mining & quarrying	0.5
			Building Products	I – Accommodation,	
		For Global GreenTag Pty Ltd, LCA of	National Building Sector	E – Water & waste, H: Transport & storage	0.5
			BAU Products	C – Manufacturing	
Victorian Power	D - Electricity, gas & air supply				
	Fitout of Timber	A - Agriculture, forestry & fishing	0.5		
	National Steel Supply	B - Mining & quarrying			
Total		Point Score	20.5		

¹⁴ Years of experience in the field of review & audit in the environmental field

¹⁵ Australian National Cooperative Research Centre for Construction Innovation

¹⁶ Australian Commonwealth Science & Industrial Research Organisation

¹⁷ LCA Software Licensee & developer of LCIA automated off Building Information Modelling (BIM) & LCI databases

¹⁸ Number of reviews as a reviewer, or ISO 14025 compliant verifications of EPDs, or LCI data sets

¹⁹ Years of experience in LCA work, starting from University Masters or Bachelor degree if Master thesis on LCA.

²⁰ Participant in LCI dataset development documented in private database. 10 sets = 1 “experience”. The system operator has evidence.

²¹ Years of professional experience in the private sector, technology or system of LCI unit process dataset to be reviewed.

²² Qualification of technologies or activities knowledge is according to NACE code classes

Shloka Ashar

Table 6 lists Shloka's LCI data reviewer eligibility score of 30 out of a possible 32 points.

Table 6 Shloka Ashar LCI Reviewers Eligibility Score 2016

	Score Topic	metrics	Minimum Experience Criteria		
	Mandatory	Verification & Audit Practice in last 20 years	Years work ²³	>5 <8 years in last 10 as Verifier & Lead Auditor at Global GreenTag (GGT) Product verification Program & standard operating procedures	2.0
Number Reviews ²⁴			>30 LCARate, Streamlined LCA & EPD Reviews, Manages team in GGT: Externally verified compliant ISO 170665 Conformance Assessment Body	4.0	
LCA methodology & Practice work		Years work in last 10 years	>9 years e.g manages team using GGT LCARate; ISO 14024 Type 1 Ecolabelling program standards; ISO 140040, 14044 & 14067 compliant LCA program standards & applies EPD Program Operator General Program Rules	2.0	
		LCI recipes done	Reviewed & signed >300 product LCARate reports e.g Best Available Technology (BAT) & ecolabelled building, fitout, personal & cleaning products	4.0	
Technology or activity		Recent years	>6 <10 years in LCI dataset Global GreenTag ecolabelling e.g participant in: LCI >300 product LCA Global, Australia, Sth Africa & Malaysia Complies, Assesses & Reviews ISO 14025 compliant PCR & EPDs	2.0	
Optional	Verification & Environmental Audit Practice	EPD, ISO14001 or EMS Scheme	Accredited 3rd party reviewer for GGT EPD Scheme. Applies Program Rules	2.0	
			Attended courses on environmental audits >40 hrs. Environmental Management Systems Lead Auditor SIA Global RABQSA	1.0	
			Chair of LCA study review research team of Certified Ecolabellers	1.0	
			qualified Certified Type 1 ecolabelling program in-house audit trainer	1.0	
	LCA method & Practice	LCA projects & papers in last 10 years	>5 <8 Years Experience in LCARate	2.0	
			Reviewed >300 LCI recipe LCARate in Streamlined LCA	4.0	
			Participant in >3 research projects on issues or case studies including: Biomass & Solar Project reports on water, energy & greenhouse emissions	1.0	
	Technology or experience represented by LCI datasets ²⁵	Formal Scientific Qualification	2 Master thesis completed in Environmental Science; Master of Environmental Protection Sardar Patel University India & Master of Environmental Science & Technology Sardar Patel University		0.5
			Ex Private Sector	≥ 3 years: Joint Government Industry Funded Clean energy Projects for Greenhouse gas under Kyoto Protocol; Social Resilience Projects.	
		Abellon Clean Energy Ltd	Greenhouse Gas	Pharmaceuticals Q - Human health Biomass & solar D - Electricity, gas & air supply	0.5
		Global GreenTag Pty Ltd	Buildings all types	C – Manufacturing, F - Construction	0.5
			Built Fitout all types including Offices	H - Transport & storage, O - Government, P – Education, N - Administrative & support service	0.5
			LCI Australia, Sth Africa, global all primary sectors	A - Agriculture, forestry & fishing, B - Mining & quarrying, E - Water; sewerage; waste,	0.5
			Personal Care & Cleaning for all asset types	I – Accommodation, Q – Health, R – Arts, entertainment,	0.5
Total		Point Score	30		

23 Years of experience in the field of review & audit in the environmental field

24 Number of reviews as a reviewer, or ISO 14025 compliant verifications of EPDs, or LCI data sets

25 Qualification of technologies or activities knowledge is according to NACE code classes. Experience in sub-sector is valid for sector.

David Baggs

Table 7 lists David Baggs' LCI data reviewer eligibility score of 29 out of a possible 32 points.

Table 7 David Baggs LCI Reviewers Eligibility Score 2016

	Score Topic	metrics	Minimum Experience Criteria	Score		
Mandatory	Verification & Audit Practice in last 20 years	Years work	>9 <14 years Audits at Ecospecifier & Global GreenTag (GGT) developed GGT: Product component verification & Supply Chain Audit Program & Product verification & Supply Chain Audit standard operating procedures	3		
		Number Reviews	>30 Reviews of LCARate, Streamlined LCA & EPDs. Developed GGT: Externally verified compliant ISO 170665 Conformance Assessment Body GGT ISO 9001 certified Quality Management System LCA R&D Program	4		
	LCA methodology & Practice work	Years work in last 10 years	>9 years e.g as principal or co developer of GGT LCARate; ISO 14024 Type 1 Ecolabelling program standards; ISO 140040, 14044 & 14067 compliant LCA program standards & EPD Program Operator General Program Rules	3		
		LCI recipes done	Commissioned, reviewed or signed >300 product LCARate reports including: BAU & Best Available Technology building, fitout, personal care & cleaning products	4		
	Technology or activity	Recent years	>20 years across building industry LCI datasets ²⁶ . for example participant in: LCI >300 product LCA Global, Australia, Sth Africa & Malaysia Developing model ISO 14025, 21930 & EN 15804 compliant PCR &EPD	4		
Optional	Verification & Environmental Audit Practice	EPD, ISO14001 or EMS Scheme	Accredited 3rd party reviewer for GGT EPD Scheme. Australasian EPD Program Inaugural Chair. Assisted review & adoption of International EPD Program Rules	2		
			Attended courses on environmental audits >40 hrs	1		
			Chair of >1 LCA study review panel or environmental app	1		
			Audit course Trainer. Exemplar Global Qualified Lead Auditor	1		
	LCA method & Practice	LCA projects & papers	>12 articles in past 9 years in peer-review journals; 9 LCA/EPD/LCT Chapters in Book, >85 Articles, 32 LCT Education Course Modules	1		
			Participant in >3 research projects on issues or case studies including: Architectural Project reports on water, energy & greenhouse emissions Government Advisory Reports on water, energy & greenhouse emissions Estidama Pearl Rating Scheme Whole Building LCA Rating Project	1		
	Technology ²⁷ or experience represented by LCI datasets	Qualification	Formal Scientific Qualification: ≥1 Master thesis equivalent completed in Architectural & Building Science. Internationally Recognised Expertise		0.5	
		Public service	≥ 3 years public service e.g as President Australian LCA Society 2013-2014 & Vice President 2011-2013 M: Professional, scientific & technical;		1	
		Private Sector	Buildings	F: Construction International, O: Government & defence		0.5
			2000 Olympics	R: Arts, entertainment & recreation		0.5
			GGT LCI Global S Africa, Australia	A: Agriculture, forestry & fishing, B: Mines/quarries, D: Power, gas & air; E: Water; sewer; waste, H: Transport & storage		0.5
			GGT Fitout	C: Manufacturing; J: ICT; P: Education		0.5
			GGT Cleaning& Personal Care	I: Accommodation & food service, Q: Human health & social work		0.5
Total		Point Score	29			

²⁶ Participant in LCI dataset development/modelling documented in private database (1 experience = 10 recipes).

²⁷ Qualification of technologies or activities knowledge is according to NACE code classes.

Delwyn Jones

Table 8 summarises Delwyn Jones' LCI data reviewer score of 31 points from a maximum 32 points.

	Score Topic	metrics	Experience Criteria in last 20 years	Score
	Mandatory	Verification & Audit Practice	Years work	Industry, Government & CASE studies >21yr environmental review & site audit
No. Review			>100 LCARate >30 reviews of ISO1400 compliant EPDs & LCAs Public & Private	4
LCA method & Practice work		Years work	Government Principal Scientist & private specialist in LCA >21 Years since 199y	4
		LCI recipes	>8,000 recipes done building LCI database developer 20 years experience	4
Technology or activity	Recent years	40 years Scientific advisor on built environment Property issues including: 14yrs Principal LCA Consultant @ Olympics & construction industry. >20 years senior scientist resolving environmental issues: industry & market.	4	
Optional	Verification & Environmental Audit Practice	EPD, ISO14001 or EMS Scheme	1 year Auditor of EMS & LCA for NSW Govt Supply ISO14001	2
			1 year Auditor for NSW Govt Olympics 2000 Development ISO14001 LCA	
			10 years verify EMS, building & procurement QLD Govt Public Works	
			1 year verify ecolabelling: Australasian Procurement & Construction Council	
			4 years 3 rd party reviewer for Global GreenTag (GGT) certified EPD & PCR Schemes	
	LCA method & Practice	LCA projects & papers	>5 articles written for & published in peer-review journals	1
			>5 Chapters written & published in peer-review books & National Guideline	
			>3 Government & CSIRO research projects on issues or case studies	
			5 yr Chair GGT PCR review panel & 4 yr BHP Research Chair ISO14001 E&OHMS	
			5 years University course lecturer in year 4 built environment & LCT verification	
	Technology ²⁸ or experience represented by LCI datasets	Public	≥1 Master's thesis equivalent completed at the University of Wollongong	0.5
			>20 year Global Academic, Professional Body & Government LCA practitioner	1
		Private Sector	Global building sector @ BHPI, NSWDPW, CRC CI, CSIRO & Evah: Steels, polymers, refractories, cements, concrete, enamels, ceramics, alkalis, acids, water treatment, waste treatment, scrap recovery, power supply & control, IT, coal industry, freight.	0.5
			BHPI Global refractory, metal & inductor industry inventor & author: Aluminium. Copper, Ceramics, Zinc, Lead, Brass, Steel, Iron, Electromagnetic Levitation, Radio frequency	
			Global polymer & metal coating R&D analysis, inventor & author @ BHPI: all elements, solids, non conductors, powders, metals, ceramics, fibres, fractures, microstructure. Author global material GDOES handbook & quantification algorithm: surface elemental environmental & forensic analysis of contaminants, substrates, enamels, complex organic & metallic coatings, gas phase contaminants plus metals & river shells.	0.5
Pacific Rim food technology, canning & tinsplate industry @ AI&S: Vegetables, fruit, meat, beer, soft drink, ice cream, corrosion resistance & shelf life.			0.5	
State Public Works LCA Developer, State Supply, Sydney 2000 Olympics LCA Auditor. Public Works Asset Capital Works & National Fitout & Procurement Guideline & Policy.			0.5	
CRCI Software developed for building LCA with Stanford U USA, Salford U UK, CSTB France, Finland, Slavenburg Holland, Dutch, German, Californian supply chain LCI. CSIRO CRCI Federal Govt funded software development for Commercial building LCA with Australian, Queensland, New South Wales & Victorian Supply chain LCI.			0.5	
Total		Pont Score	31	

²⁸ Qualification of technologies or activities knowledge is according to NACE code classes.

Discussion of Results

Qualifications and experience of the following people were compared. All were found to exceed the minimum ILCD Handbook prerequisites for LCI data reviewers.

Out of a maximum of 32 possible points:

- Mathilde Vlieg scored 19.0,
- Murray Jones scored 20.5,
- Shloka Ashar scored 30.0,
- David Baggs scored 29.0,
- Delwyn Jones scored 31.0.

The lowest score exceeded the minimum score of 5 points by a factor of 3. All other scores were over 4 times greater than the minimum.

The following parties have reviewed the required evidence and accepted the validity of these scores:

- Program Operator: Global GreenTag International Pty Ltd,
- PCR Moderator: Ecquate Pty Ltd and
- LCI and LCA Methodology Developer: The Evah Institute.

All persons nominated herein as reviewers have reviewed evidence required and accepted the veracity of these scores.

Therefore their names are to be posted and scores declared on the World Wide Web.

Conclusions

Mathilde Vlieg, Murray Jones, Shloka Ashar, David Baggs, Delwyn Jones are each considered eligible to be commissioned to submit verifier reports on the LCA used to develop 3rd party certified EPDs.

Recommendations

Each is eligible to submit verifier reports on the LCA used to develop 3rd party certified EPDs.

To facilitate program and system transparency the name, score and resume of Mathilde Vlieg, Murray Jones, Shloka Ashar, David Baggs and Delwyn Jones are to be posted and declared on the World Wide Web.

Stakeholders may then examine them and respond to all concerned and interested parties as deemed fit.

Appendix NACE code classes.

A - Agriculture, forestry & fishing

B - Mining & quarrying

C - Manufacturing

D - Electricity, gas, steam & air conditioning supply

E - Water supply; sewerage; waste management & remediation

F - Construction

G - Wholesale & retail trade; repair of motor vehicles & cycles

H - Transport & storage

I - Accommodation & food service

J - Information & communication

K - Financial & insurance

L - Real estate

M - Professional, scientific & technical

N - Administrative & support service

O - Public administration & defence;

P – Education

Q - Human health & social work

R - Arts, entertainment & recreation

S - Other services

T - Households as employers; goods & services for own use