

# **Life Cycle Inventory**

Reviewer

**Qualifications** 

**Applicable to** 

**Verification Reports on** 

**Life Cycle Assessment for** 

**Environmental Product Declarations** 

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#### Introduction

This report was compiled about reviewer qualifications applicable to Life Cycle Inventory (LCI) verification reports for Life Cycle Assessment (LCA) used in environmental product declarations (EPDs).

#### **Aim**

The purpose was to document selection criteria of reviewer qualifications in verification of LCI developed by Ecquate Pty Ltd: The Evah Institute & or Global GreenTag International Pty Ltd & EPDs issue by either company.

#### Method

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

Table 1 Essential Requirements for Eligible EPD Reviewers

	Englishe El Diffeviewers
Topic knowledge	Criteria
Generally of environmental matters	Industry related
THE COLOR	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	Experienced >5 years 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	>1 LCA study involving assessment of multiple environmental impacts
14044:2006 Sect 6 requirements	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.
Li B illifoddood	Compliance with Relevant Environmental Legislation
7. In-depth International & Australasian EPD Programs	Globally recognised programs including 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 Handbook<sup>2</sup>. It shows the minimum LCI reviewer's qualifications score of 5 points & maximum LCI reviewer's qualifications score of 32 points.

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 3<sup>rd</sup> party certified ecolabels & to develop 3<sup>rd</sup> party certified Environmental Product Declarations (EPDs).

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<sup>&</sup>lt;sup>1</sup> 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. 1<sup>st</sup> 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

<sup>&</sup>lt;sup>2</sup> 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					
	Mandatani	Years' work <sup>3</sup>	3 years	3-4	5-8	9-14	>14	4	1			
	Mandatory	Number Reviews <sup>4</sup>	3 reviews	3-5	6-15	16-30	>30	4	1			
1. Verification &			Accredited 3rd	party revi	ewer for >1	EPD Sche	me	2				
Audit Practice	Ontional	Scores <sup>5</sup> for EPD	Attended cours	ses on en	vironmental	audits >40	hrs	1				
	Optional	Scheme, ISO14001 or other EMS	Chair >1 review	w panel fo	r LCA study	or Enviro	арр	1				
			Qualified traine	er in envir	onmental au	dit course		1				
	Mandatory	Marilata	Mandatani	Mandatan	Years' work <sup>6</sup>	3 years	3-4	5-8	9-14	>14	4	1
2. LCA		LCI datasets <sup>7</sup>	5*(10 LCI)	5-8	9-15	16-30	>30	4	1			
methodology & Practice work	0.151	LCA projecto 9 poporo	> 5 articles in peer-review journals or books					1				
	Optional	LCA projects & papers	Worked >3 research projects on issue/case study					1				
	Mandatory	Recent years <sup>9</sup>	3 years	3-5	6-10	11-20	>20	4	1			
3. Technology <sup>8</sup>		Formal Scientific	At least one PhD obtained					1				
or experience represented by	Ontinual	Qualification	≥1 Master thesis or equivalent completed					0.5				
LCI datasets	Optional	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				5	2.5	0.5			
Point Score			Overall Maxim	um Possik	ole			32	5			

<sup>&</sup>lt;sup>3</sup> Years of experience in the field of review & audit in the environmental field

<sup>&</sup>lt;sup>4</sup> Number of reviews as a reviewer, or ISO 14025 compliant verifications of EPDs, or LCI data sets

<sup>&</sup>lt;sup>5</sup> Additional scores are complementary & scores are maxima unless otherwise stated e.g. 1 point not 5 for peer-reviewed LCA papers

<sup>&</sup>lt;sup>6</sup> Years of experience in LCA work, starting from University Masters or Bachelor degree if Master thesis on LCA

<sup>&</sup>lt;sup>7</sup> Participant in LCI dataset development/modelling in LCI database as verified or documented. 10 data sets = 1 "experience

<sup>&</sup>lt;sup>8</sup> 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 may be used. Experience in sub-sector is valid for whole sector

<sup>&</sup>lt;sup>9</sup> Years of professional production, R&D or environmental work in private sector, technology or system of LCI under review LCA&EPDReviewerQualifications@Evah15July2025 page 4 of 16

# Jill Jing

Table 3 lists this LCI data reviewer's eligibility score of 12 out of a possible 32 points.

Table 3 Jill Jing LCI Reviewer Eligibility Score 2023

	Score Topic		metrics Minimum Experience Criteria			
	Score Topic	metrics			Score	
	Verification &	Year's work	>3 years at C	GHD & Global GreenTag International (GGTI)	1.0	
ory	Audit Practice	No. Reviews	>3 GGTI LCA	ARate & EPD Commissions review	1.0	
Mandatory	LCA method &	Year's work	2 years GGT	I in last 20 years & >1 years at GHD on GWP, NGER etc	1.0	
	Practice work	LCI recipes	>50 LCI recip	pes scoping reviewed	1.0	
	Activity	Years recently	>3 years GH	>3 years GHD & GGTI Scoping & Reviewing LCARate and EPD projects		
			Accredited 3r	d party reviewer for Global GreenTag Int. EPD Scheme	2.0	
	Verification & Environmental	EPD, EMS or ISO14001	Attended cou	urses on environmental audits >40 hrs	1.0	
	Audit Practice in last 20 years	Scheme	Chair >1 revi	ew panel for LCA study or Enviro app	0	
			Qualified trainer in environmental audit course			
	LCA method &	LCA projects &	> 5 articles in peer-review journals or books		0	
	Practice	papers <10 yrs old	>3 LCARate and EPD research projects on issue/case study			
=		Formal Scientific Qualification	At least one PhD obtained		0	
Optional				≥1 Master thesis or equivalent completed		
0	Technology or	Ex Private Sector ≥3 year		onal, scientific & technical: Professional groups, conferences posters, probono and government work	0	
	experience represented by	NACE Codes		Company & Project 0.5 point for each added industry sector up to 2.5		
	LCI datasets	C – Manufacturing		Scoping LCARate & EPDs of fitout products	0.5	
	Global GreenTag	Q – Health		Scoping and Assessing product Health Ratings		
	International	I – Accommodation	a & food	Knowledgeable of Green Star®, LEED® and BREEAM®	0.5	
		Q - Human health	& social work	Product Health & Modern Slavery Declarations	0.5	
		S - Other services		Wastewater and water engineering	0.5	
	Total	Point Score			12	

# **Yasmin Kelly**

Table 4 lists this LCI data reviewer's eligibility score of 12.5 out of a possible 32 points.

Table 4 Yasmin Kelly LCI Reviewer Eligibility Score 2023

	Score Topic	metrics	Minimum Ex	perience Criteria	Score	
	Verification &	Year's work	>3 years: 2 ii	>3 years: 2 in laboratory and 1 at Global GreenTag International (GGTI)		
atory	Audit Practice	No. Reviews	>3 reviews G	GGTI	1.0	
Mandatory	LCA method &	Year's work	>3 years: lab	oratory and at GGTI	1.0	
	Practice work	LCI recipes	>50 LCI recip	pes scoped and checked	1.0	
	Activity	Years recently	>3 years in la	>3 years in laboratory and GGTI		
			Accredited 3r	rd party reviewer for GGTI EPD Scheme	2.0	
	Verification & Environmental	EPD, EMS or ISO14001	Attended cou	urses on environmental audits >40 hrs	1.0	
	Audit Practice in last 20 years	Scheme	Chair >1 revi	ew panel for LCA study or Enviro app	0.0	
	laot 20 youro		Qualified trai	ner in environmental audit course	0.0	
	LCA method &	LCA projects &	> 5 articles in peer-review journals or books		0.0	
_	Practice	papers <10 yrs old	Worked >3 LCARate and EPD research projects on issue/case study		1.0	
		Formal Scientific Qualification	At least one PhD obtained		0.0	
_		Qualification	≥1 Master thesis or equivalent completed		0.0	
Optional		Ex Private Sector ≥3 year		onal, scientific & technical: Professional groups, conferences posters, probono and government work	1.0	
	Technology or experience	NACE Codes		Company & Project 0.5 point for each added industry sector up to 2.5		
	represented by LCI datasets	A - Farming, forestry & fishing		Scoping LCARate & EPDs of forest & wildlife products	0.5	
	Global GreenTag	C – Manufacturing		Scoping LCARate & EPDs of fitout products	0.5	
	International	F - Construction		Scoping LCARate & EPDs of building products	0.5	
		Q – Health		Scoping and Assessing product Health Ratings	0.5	
		N - Administrative a service	& support	Scoping and Assessing ecolabeling systems, and PCRs	0.5	
	Total	Point Score			12.5	

# **Bambang Riyadi Koproto**

Table 5 lists this LCI data reviewer's eligibility score of 16 out of a possible 32 points.

Table 5 Bambang Riyadi Koproto LCI Reviewer Eligibility Score 2023

			of fictional Engionity ocore 2020	_
	Score Topic	metrics	Minimum Experience Criteria	Score
-Z	Verification &	years' work	3 years at Global GreenTag International GGTI	1.0
dato	Audit Practice	No. Reviews	>20 reviews at GGTI of client LCI Data and EPD	3.0
Mandatory	LCA method &	Year's work	3 years Global GreenTag International in last 20 years <sup>10</sup>	1.0
_	Practice work	LCI recipes	> 20 recipes reviews at Global GreenTag International	3.0
	Activity	Years recently	3 years at Global GreenTag International	1.0
		_	Accredited 3rd party reviewer for Global GreenTag Int. EPD Scheme	1.0
	Verification &		Attended courses on environmental audits >40 hrs	1.0
	Environmental Audit Practice in	EPD, EMS or ISO14001 Scheme	Chair >1 review panel for LCA study or Enviro app. LCIA Certificate: MIT Professional Education, 2023	0.0
	last 20 years	Scrience	Qualified trainer in environmental audit course Lead Auditor EMS Certificate, Auditor Training Online, 2021	0.0
	LCA method &	LCA projects &	> 5 articles in peer-review journals or books	0.0
	Practice	papers <10 yrs old	Worked >3 LCARate and EPD research projects on issue/case study	1.0
		Formal Scientific	At least one PhD obtained	0.0
Optional		Qualification	<ol> <li>Master of Environmental Management (Majoring in Environmental Management in Mining), The University of Queensland, Australia</li> <li>Bachelor of Biological Science, Pelita Harapan University, Indonesia</li> </ol>	0.5
	Technology or experience represented by LCI datasets	Ex Private Sector	<ul> <li>M - Professional, scientific &amp; technical: Certificates in</li> <li>PowerOn Advantage Cartography, General Electric, 2020</li> <li>Python Masterclass, Udemy, 2020</li> <li>ArcPy Python Developers ArcGIS-Pro workshop, Udemy, 2020</li> <li>Advanced Spatial Analysis for ArcGIS, Udemy, 202</li> <li>QGIS 3.0 for GIS professional, Udemy, 2020</li> <li>Georeference &amp; Digitize in QGIS3 certification, Udemy, 2020</li> <li>Spatial Data Analysis using QGIS &amp; R Course, Udemy, 2020</li> <li>MapInfo for Professional workshop, Udemy, 2020</li> <li>Python for Geospatial application online training, Udemy, 2020</li> <li>Web programming for GIS application, Udemy, 2020</li> <li>Complete Web Development Bootcamp, 2020</li> </ul>	1.0
		Private Sector		
	Global	NACE Codes	Company & Project 0.5 point for each added industry sector up to 2.5	
	GreenTag International	A - Agriculture, forestry & fishing	Land Suitability Analysis D'Aguilar National Park A7 Stamford Conservation Parks. SEQ Weed Distribution and Management of African Lovegrass and Parthenium re Agriculture	0.5
		C – Manufacturing	Scoping LCARate & EPDs of fitout products	0.5
		F - Construction	Scoping LCARate & EPDs of building products	0.5
		J - Information & communication	3D model of UQ St Lucia campus building for analysis. Flood Risk GIS mapping for the University of Queensland	0.5
		Q – Health	Scoping and Assessing product Health Ratings	0.5
	Total	Point Score		16

#### **Direshni Naiker**

Table 6 lists Direshni's LCI data reviewer eligibility score of 21 out of a possible 32 points.

Table 6 Direshni Naiker LCI Reviewer Eligibility Score 2022

	Score Topic	metrics	Minimum Experience Criteria		Score	
	Verification &	Year's work	9 years		3.0	
tory	Audit Practice in last 20 years No. Reviews		6 reviews		1.0	
Mandatory	LCA methodology &	Year's work in last 20 years	5 to 8 years	s, Carpet, Ecolabelling, Consulting, Evah	2.0	
	Practice work	LCI recipes	Artificial turf	f, carpet, Xypex concrete, Vertilux fabric	1.0	
	Technology or activity	Year in recent years	5 to 8 years	5 to 8 years, Carpet, Ecolabelling, Consulting, Evah		
			Accredited 3	3rd party reviewer for Evah and GGT EPD Scheme	2.0	
				ISO14001 Assessor. Peer reviewed 6 EPDs. nvironmental Management System; Environmental Strategy	1.0	
	Verification & Environmental Audit Practice	EPD, EMS or ISO14001 Scheme	<ul><li>Carbon F</li><li>Life Cycle</li><li>Life Cycle</li><li>Water Fo</li><li>Green Sta</li></ul>	Coursework:  Carbon Footprint Analyst LEMA–UK & SETA Registered.  Life Cycle Capability Maturity Modelling,  Life Cycle Analysis.  Water Footprinting, Product Environmental Footprint.  Green Star SA- Interiors and  Net Zero/Positive Courses. business Management		
Optional	LCA method & Practice	LCA projects & papers in last 10 years	<ul><li> Green Pro</li><li> Carbon F</li><li> Public sec</li><li> Public sec</li></ul>	LCA data collation for EPD 4/5 years; oduct and Green Building Projects; ootprinting x 3 textile industry projects. ctor: Construction industry Eco-labelling Project. ctor Course Facilitator on LCA, LCCMM & sustainability.	2.0	
				Belgotex carpets, water footprint, Van Dyk Carpets. Papers? Facilitating NCPC LCA course		
		Formal Scientific Qualification		iology and Environmental Science. BSc Honours Environmental	0.5	
	Technology or	Ex Private Sector≥ 3 year		at Belgotex, then as an independent consultant Gaia GRI Sustainability Reports	2.0	
	experience	NACE Codes		Company & Project		
	represented by	C – Manufacturing		Belgotex Van Dyk Carpets Carpet, Artificial Turf	0.5	
	LCI datasets	E – Water & waste		Carbon Footprint Water footprint	0.5	
		D - Electricity, gas	supply	ZA Power grid LCI development	0.5	
		F - Construction		Bird Haven LCI	0.5	
		O - Government		Established SA ecolabelling schema	0.5	
	Total	Point Score			21	

# **Murray Jones**

Table 7 lists Murray Jones LCI data reviewer eligibility score of 23.5 out of a maximum 32 points.

Table 7 Murray Jones LCI Reviewer Eligibility Score 2016

Tubic	•	es Loi neviewei				
	Score Topic	metrics	Minimum Experience Criteria		Score	
	Verification &	Year's work	Pty Ltd <sup>13</sup> , also PCR Moderat	ftware audit at CRC CI <sup>11</sup> , CSIRO <sup>12</sup> & Ecquate or for Global GreenTag EPD Program Ecolabelling, & ISO 140040, 14044 & 14067	3.0	
Mandatory	Audit Practice in last 20 years	Number of Reviews	LCA BAU product for The Ev	ware documented for CRC CI & Ecquate; of yah Institute, as PCR Moderator for Global r ISO 14025, 21930 & EN 15804 compliant	3.0	
	101	Year's work in last 20 years		elopment at CRC CI & CSIRO; LCA practice at dings & Business as Usual (BAU) products	4.0	
	LCA methodology & Practice work LCI recipe		building LCA in Greenhouse on BAU products including s	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		
	Technology or activity	Year in recent years	>6 <10 years participant in LCI >30 BAU product in Global GreenTag LCI databases			
	Verification &		Chaired >1 LCA BIM environmental app study review panel for CRC CI			
_	Environmental Audit Practice		Audits Evah LCA reports & EPDs. Audits of LCIA algorithm in software development. Audit of BIM LCA software malfunctions & user issues			
	104 11 10	LCA projects & papers in last 10 years	Experience>9 <14 Years in LCI database & LCIA Software development			
	LCA method & Practice		Participant in >3 LCADesign research projects & issues & Project on whole building greenhouse gas emissions & product LCA case studies			
		Ex Private Sector≥ 3 year	CRC CI & CSIRO, Taught >	100 LCADesign 1&2 days courses at ngong: J - Information & communication.	1.0	
nal		Company	LCA Study of	NACE Codes		
Optional		Foguato Dtv I td	Dormitory Buildings	P – Education O - Government,	0.5	
	Toohnology	Ecquate Pty Ltd	Hospital Buildings	Q – Health		
	Technology or experience		Global Aluminium	F - Construction	0.5	
	represented by	Evah Institute	National Concrete Market	B - Mining & quarrying		
	LCI datasets	∟van məllul <del>e</del>	Building Products	I – Accommodation,	0.5	
			National Building Sector	E – Water & waste, H: Transport & storage		
			BAU Products	C – Manufacturing	0.5	
		For Global	Victorian Power	D - Electricity, gas & air supply		
		GreenTag Pty Ltd	Fitout of Timber	A - Agriculture, forestry & fishing	0.5	
			National Steel Supply	B - Mining & quarrying		
	Total		Point Score		23.5	

<sup>&</sup>lt;sup>11</sup> Australian National Cooperative Research Centre for Construction Innovation

<sup>&</sup>lt;sup>12</sup> Australian Commonwealth Science & Industrial Research Organisation

<sup>&</sup>lt;sup>13</sup> LCA Software Licensee & developer of LCIA automated off Building Information Modelling (BIM) & LCI databases

# **Dr Sharmina Begum**

Table 8 lists Dr Sharmina Begum's LCI data reviewer eligibility score of 23.5 out of a possible 32 points.

Table 8 Dr Sharmina Begum LCI Reviewer Eligibility Score 2022

Tubic	Score Topic	metrics		Experience Criteria	Score
•	Verification &	Year's work	6 years	•	2.0
Mandatory	Audit Practice in last 20 years	No. Reviews	2 NGER	and NPI reviews, 1 industry review, one LCI review.	1.0
land	LCA method &	Years in last 20	6 years -	LCA and EPD for Brickworks products of Tasmania	2.0
≥	Practice work	LCI recipes	5-8 years	3	1.0
	Technology or activity Years recently >9years				3.0
	Verification & EPD, EMS of Environmental Audit Practice Scheme		<ul><li>NGER</li><li>Measu</li><li>Climate</li><li>Brickw</li><li>Investign</li></ul>	w & emission (Scope 1, 2 & 3) analyst and NPI reporting for brickwork's national plants ring Carbon footprint expectation Active inventory and PDS development orks USA plants & quarries Energy, Emission & Carbon worksheet gating carbon offsets and carbon credits for net zero emission and carbon neutral products of Brickworks	1.0
-	LCA method & Practice			d 3rd party reviewer for Evah & GGT EPD Schemes	2.0
		EPD, EMS or ISO14001 Scheme	Academic courses on environmental audits >40 hours		
			Chair review panel for Brickworks LCA of Energy, Emission & Carbon		
			Qualified trainer in environmental audit course		
		LCA projects &	Project work at Brickworks and in Bangladesh		
		paper last 10 yrs	>16 -30 I	_CI datasets	3.0
Optional		Formal Scientific Qualification	PhD Solid Waste technologies for energy recovery in Australia		1.0
0		Ex Private Sector≥ 3 year	Banglade	esh Institute of water modelling: inventory & d-base development	1.0
		NACE Codes		Company & Project	
	<b>+</b>	B - Mining & quarry	ying	Quarrying Austral Bricks -Inventory analyst	0.5
	Technology or experience	C – Manufacturing		Longford (TAS) brick product LCA and EPD	0.5
	represented by	D - Electricity, gas	supply	Gas use Brickworks – USA & Australia LCA and EPD	0.5
	LCI datasets	E – Water & waste		C-M Concrete Pty Ltd & Institute of water modelling investigation of Green Gully stormwater quality improvement device Corky's Carbon and Combustion P/L plant - experimental investigation and collect data from the waste to energy treatment plant to develop dataset and numerical model	0.5
		P – Education		Central Queensland University – Researcher & academic	0.5
	Total	Point Score			23.5

#### **Mathilde Vlieg**

Table 9 summarises Mathilde Vlieg's LCI data reviewer eligibility score of 27 out of a possible 32 points.

Table 9 Mathilde Vlieg LCI Reviewer Eligibility Score Jan 2016

Table		vileg LCI Reviewer Eligibility Score Jan 2016				
	Topic	metrics	Minimum Experience Criteria		Score 3.0	
	Verification & Audit Practice	Years' work	<ul> <li>&gt;9 years in last 10 in The Netherlands for clients &amp; in Australia at:</li> <li>Certifier Global GreenTagCertTM EPD Program Operator, ISO 14024 Type 1 Ecolabelling, &amp; ISO 140040, 14044 &amp; 14067 compliant LCA;</li> <li>The Evah Institute review of certifier &amp; 3rd party audited LCI allocation.</li> </ul>			
	in last 20			nole building LCA report for Ecquate	4.0	
tory	years	Number Reviews	• The Evah Institute LCI, LCIA &	ethods for EPDs & client LCI recipes PCR methods for ISO compliant EPDs. uilding & GWP LCA for Ecquate Pty Ltd	4.0	
Mandatory	LCA Years' work in last 20 & Practice work		<ul> <li>ecospecifier in Life Cycle Think</li> <li>Global GreenTag in LCA, Type 15804 compliant EPDs;</li> <li>Evah Institute: LCI, LCIA &amp; Life standards and method. Contrib OpenLCA OzLCI database &amp; Ir</li> </ul>	1 Ecolabeling and ISO 14025, 21930 & EN  Cycle Benefit Assessment plus PCR and EPD utor to LCI & LCIA software coding for	3.0	
		LCI recipes done	Developer >900 LCI recipes for p South African, VliegLCA global &	roduct & supply chains at The Evah Institute OpenLCA OzLCI databases.	4.0	
	Technology or	action	9 years' work in NL, ecospecifier,	Global GreenTag & The Evah Institute	2.0	
	\ 'C 'C 'C	EPD, EMS or ISO14001 Scheme	Accredited 3rd party reviewer for Global GreenTag & Evah EPD Scheme			
	Verification & Environmental Audit Practice		Attended courses on environmental audits >40 hrs at Global GreenTag			
			Chair >1 review panel for LCA study by Ecquate Dormitory Buildings LCA			
			Qualified trainer in environmental audit course guest trainer at QUT			
	LCA method & Practice	LCA projects & papers	Participant in >30 LCARate case studies @ The Evah Institute in last 8 years. Written papers & platform presentations of new forest LCA methods			
	Technology or experience	Formal Scientific Qualification	Master thesis in The Netherlands Institute in Australia on LCI datab	& internships at Global GreenTag & The Evah ase development. NACE: J - ICT	0.5	
Optional		Ex Private Sector ≥ 3 years	Cycle Benefit Assessment, LCA  Session Co-chair SETAC 2023  ALCAS, SETAC and FSLCI pal  Australasian OpenLCA freewar  QUT lectures and workshops, N  Dutch wood-build advice, Kistki	pers, posters and presentations; e facilitator; Coding OzLCI databases; Mentoring associates, ruk stool in social workshops; I - Professional, scientific & technical.	1.0	
	represented by LCI	Company	LCA Study of	NACE:	_	
	datasets in	Evah Institute	South Africa Coal	B - Mining & quarrying	0.5	
	NACE codes		South Africa Power Supply	D - Electricity, gas & air supply		
			South African Carpet	C – Manufacturing	0.5	
			Insulation	H - Transport & storage	0.5	
		VliegLCA	Australian Forestry 4 states	A - Agriculture, forestry & fishing	0.5	
		Consultant & Evah	Australian MDF 3 states	F - Construction	0.5	
		Associate for GGT	Compactus & Shelving	N - Administrative & support service	0.5	
			Ceiling Tiles	P – Education Q – Health O - Government	0.5	
			Hot & chill Water Urn	I : Accommodation & food service	0.5	
	T. (.)		Waste Diverter	E - Water; sewerage; waste	07	
	Total		Point Score		27	

# **Dr Nana Bortsie-Aryee**

Table 10 lists Dr Nana Bortsie-Aryee's LCI reviewer eligibility score of 27 from a maximum 32 points.

Table 10 Dr Nana Bortsie-Aryee LCI Reviewer Eligibility Score 2022

	Score Topic metrics Minimum Experience Criteria					
			Australia for Certifier General Ecolabelling, & ISO 140	GT EPD Program Operator, ISO 14024 Type 1 0040, 14044 & 14067 compliant LCA.	Score	
Mandatory	Verification & Audit Practice in last 20 years	Year's work >14 years	<ul><li>Germany Kocks Consu</li><li>German Institute: Appli</li></ul>	Bio Ltd, Water footprint of livestock farms; It water & environment in Africa, EU & Asia; ied Material Flow Management Projects Africa; ricultural Professorial Research Assistant	4.0	
lan		No. Reviews	16-30 reviews at GGT of client LCI recipes.			
2	LCA method &	Year's work	>14 years LCA work in US	SA, Europe, Africa & Australasia as above	4.0	
	Practice work in last 20 years	LCI recipes		:80 individual LCI recipes for product & supply or Global and National LCI database for GGT	1.0	
	Experience in LCA datasets	Recent years		n US and Australia, Global GreenTag	4.0	
	\/:Eti0	EDD EMO		wer for Global GreenTag EPD Scheme	2.0	
	Verification & Environmental	EPD, EMS or ISO14001	Attended courses on envi	ronmental audits >40 hrs	1.0	
	Audit Practice	Scheme	Chair >1 review panel for	LCA study at Global GreenTag	1.0	
			Qualified trainer in environ		0.0	
			Participant in >3 LCARate	e case studies @ GGT in last year.	1.0	
Optional	LCA method & Practice last 10yrs papers & projects		<ul> <li>Water footprint management-theory to reality. Water management and performance of New Zealand livestock agribusiness 2020 U Otago;</li> <li>Ecological Footprint: Pragmatic Approach to Understanding and Building Sustainable Cities, 2019, Sustainable Cities and Communities;</li> <li>How supply chain choices affect the life cycle impacts of medical products, 2018, JCP 182, 1095-1106;</li> <li>Resource synergies for on-farm water management: a study of New Zealand agribusinesses, 2018, Australasian J E M 25 (4), 398-419;</li> <li>The need for integrated life cycle sustainability analysis of biofuel supply chains, 2013, Biofuels-Economy, Env &amp; Sust;</li> <li>Environmental Assessment of a Forest Derived "Drop-in" Biofuel, 2013 Biofuels - Economy, Env &amp; Sust, 386 pp</li> </ul>		1.0	
Q		Formal Scientific	PhD U of Otago, New Zealand 2013/6			
	Technology or	Qualification	M. Eng. U Trier, Germany. M. Sc. RAP U, Japan Advanced Diploma Complexity & Sustainability (2012) U Potsdam, Germany; Cert Regional Material Flow, ICETT, Japan		0.5	
	experience represented by LCI datasets	Ex Private Sector≥ 3 year	<ul> <li>New Zealand Govt Award, Robert Bosch Stiftung Fellowship, NE States Research Award; SETAC &amp; IS for Industrial Ecology;</li> <li>USA U of Maine, forest-based economy,</li> <li>Applied Material Flow Management Africa; U Ghana,</li> <li>BSc in Agriculture 2004/7</li> </ul>		1.0	
	In Private Sector Australia	NACE Codes		Company & Project		
	& International	A - Farming, for		NZ livestock; USA forest; Ghana Agriculture	0.5	
	@ Global	C – Manufacturi	•	USA biofuel supply chain	0.5	
	GreenTag International	E – Water, sewe		On farm New Zealand, Africa, Europe & Asia	0.5	
	monadona		/e & support service	Managed Projects in Africa, Europe & Asia	0.5	
		O - Public admir		Material Flow Management projects in Africa	0.5	
		Q –Human heal	th & social	Water in Kosovo & Afghanistan conflict areas	0	
	Total	Point Score			27.0	

#### Shloka Ashar

Table 11 lists Shloka's LCI data reviewer eligibility score of 30 out of a possible 32 points.

Table 11 Shloka Ashar LCI Reviewer Eligibility Score 2016

Verification & Audit Practice in last 20 years   Vears' work   Number Reviews   Sears in last 10 as Verifier & Lead Auditor at Global GreenTag (GGT)   Product verification Program & standard operating procedures   Audit Practice in last 20 years   Number Reviews   Vears' work in last 20 years   Vears' work in last 20 years   Vears' work in last 10 years   Vears' work	Score
Audit Practice in last 20 years    Number Reviews	2.0
CCI recipes done   CCI recipes   C	4.0
CCI recipes done   CCI recipes   C	2.0
Recent years   CI > 300 product LCA Global, Australia, South Africa & Malaysia Complies, Assesses & Reviews ISO 14025 compliant PCR &EPDs	4.0
Verification & Environmental Audit Practice  EPD, ISO14001 or EMS Scheme  EPD, ISO14001 or EMS Scheme  Attended courses on environmental audits >40 hrs. Environmental Management Systems Lead Auditor SIA Global RABQSA Chair of LCA study review research team of Certified Ecolabellers qualified Certified Type 1 ecolabelling program in-house audit trainer  >5 < 8 Years' Experience in LCARate Reviewed >300 LCI recipe LCARate in Streamlined LCA Participant in >3 research projects on issues or case studies including: Biomass & Solar Project reports on water, energy & greenhouse emissions  2 Master thesis completed in Environmental Science; Master of Environmental Protection Sardar Patel University India & Master of Environmental Science & Technology Sardar Patel University  Ex Private Sector  Technology or experience represented by LCI datasets  Technology or experience represented by LCI datasets  EPD, ISO14001 Attended courses on environmental audits >40 hrs. Environmental Management Systems Lead Auditor SIA Global RABQSA Chair of LCA study review research team of Certified Ecolabellers qualified Certified Type 1 ecolabelling program in-house audit trainer  >5 < 8 Years' Experience in LCARate Reviewed >300 LCI recipe LCARate in Streamlined LCA Participant in >3 research projects on issues or case studies including: Biomass & Solar Project reports on water, energy & greenhouse emissions  2 Master thesis completed in Environmental Science; Master of Environmental Protection Sardar Patel University  Ex Private Sector  Ex Private Sector  Company  LCA Studies of  NACE Codes  Biomass & solar D - Electricity, gas & air supply  Buildings all types In Transport & storage, O - Government, P - Education,	2.0
Environmental Audit Practice  EPD, ISO14001 or EMS Scheme  EPD, ISO14001 or EMS Scheme  Management Systems Lead Auditor SIA Global RABQSA  Chair of LCA study review research team of Certified Ecolabellers  qualified Certified Type 1 ecolabelling program in-house audit trainer  >5 < 8 Years' Experience in LCARate  Reviewed >300 LCI recipe LCARate in Streamlined LCA  Participant in >3 research projects on issues or case studies including: Biomass & Solar Project reports on water, energy & greenhouse emissions  2 Master thesis completed in Environmental Science; Master of Environmental Protection Sardar Patel University India & Master of Environmental Science & Technology Sardar Patel University  Ex Private Sector  Technology or experience represented by LCI datasets  Technology or experience represented by LCI datasets  EPD, ISO14001  Management Systems Lead Auditor SIA Global RABQSA  Chair of LCA study review research team of Certified Ecolabellers  Abully review research projects in LCARate  Reviewed >300 LCI recipe LOARate  Reviewed >300 LCI recipe L	2.0
Audit Practice    Chair of LCA study review research team of Certified Ecolabellers	1.0
LCA method & Practice  LCA projects & papers in last 10 years  LCA method & Practice  LCA projects & papers in last 10 years  LCA projects & Participant in >3 research projects on issues or case studies including: Biomass & Solar Project reports on water, energy & greenhouse emissions  2 Master thesis completed in Environmental Science; Master of Environmental Protection Sardar Patel University India & Master of Environmental Science & Technology Sardar Patel University  Ex Private Sector  LCA Studies of NACE Codes  Abellon Clean Energy Ltd  Buildings all types  C - Manufacturing, F - Construction  Built Fitout all types including Offices  O - Government, P - Education,	1.0
CA method & Practice   CA projects & papers in last 10 years   Reviewed >300 LCI recipe LCARate in Streamlined LCA   Participant in >3 research projects on issues or case studies including: Biomass & Solar Project reports on water, energy & greenhouse emissions   2 Master thesis completed in Environmental Science; Master of Environmental Protection Sardar Patel University India & Master of Environmental Science & Technology Sardar Patel University	1.0
Practice    Papers in last 10 years   Papers in last 10 years	2.0
Practice  years  Participant in >3 research projects on issues or case studies including: Biomass & Solar Project reports on water, energy & greenhouse emissions  2 Master thesis completed in Environmental Science; Master of Environmental Protection Sardar Patel University India & Master of Environmental Science & Technology Sardar Patel University  Ex Private Sector  Ex Private Sector  Company  LCA Studies of Abellon Clean Energy Ltd  Buildings all types Including Offices  O - Government, P - Education, Including Offices  O - Government, P	4.0
Formal Scientific Qualification  Formal Scientific Qualification  Frotection Sardar Patel University India & Master of Environmental Science & Technology Sardar Patel University  Ex Private Sector  Ex Private Sector  Company  LCA Studies of NACE Codes  Abellon Clean Energy Ltd  Buildings all types  C - Manufacturing, F - Construction  Built Fitout all types including Offices  O - Government, P - Education,	1.0
Technology or experience represented by LCI datasets    Company   LCA Studies of   NACE Codes	0.5
Technology or experience represented by LCI datasets    Company   LCA Studies of   NACE Codes	1.0
Energy Ltd  Energy Ltd  Energy Ltd  Buildings all types  C – Manufacturing, F - Construction  Built Fitout all types  including Offices  O - Government, P – Education,	
represented by LCI datasets  Buildings all types C – Manufacturing, F - Construction  Built Fitout all types including Offices D - Government, P – Education,	0.5
including Offices O - Government, P – Education,	0.5
	0.5
GreenTag Pty Ltd  LCI Australia, South Africa, global all primary sectors  A - Agriculture, forestry & fishing, B - Mining & quarrying, E - Water; sewerage; waste,	0.5
Personal Care & Cleaning I – Accommodation, Pharmaceuticals Q - Human for all asset types health, R – Arts, entertainment,	0.5
Total Point Score	30

# **David Baggs**

Table 12 lists David Baggs' LCI data reviewer eligibility score of 31 out of a possible 32 points.

Table 12 David Baggs LCI Reviewers Eligibility Score 2017

	Score Topic	metrics	Minimum E	xperience Criteria	Score	
Mandatory	Verification & Audit Practice in	Year's work	>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.		4.0	
	last 20 years	No. Reviews	>30 Reviews of LCARate, LCA & EPDs. Developed GGT: Externally verified compliant ISO 170665 Conformance Assessment Body & GGT ISO 9001 certified Quality Management System LCA R&D Program.		4.0	
	LCA methodology &	Year's work in last 20 years	>14 years e.g as principal or co-developer of GGT LCARate; ISO 14024 Type Ecolabelling program standards; ISO 140040, 14044 & 14067 compliant LCA program standards & EPD Program Operator General Program Rules		4.0	
	Practice work	LCI recipes	Commissioned, reviewed & or signed >300 product LCARate reports on BAU & Best Available Technology building, fitout, personal care & cleaning products			
	Experience represented by LCA datasets	Recent years	>20 years across building industry LCI datasets, including participation in: LCI >300 product LCA Global, Australia, Sth Africa & Malaysia, plus Developing model ISO 14025, 21930 & EN 15804 compliant PCR &EPD.			
	Verification &	EPD, EMS or	Accredited 3rd party GGT EPD Scheme reviewer. Australasian EPD Program Inaugural Chair. Aided International EPD Program Rules review & adoption.		2.0	
	Environmental	ISO14001	Attended courses on environmental audits >40 hrs		1.0	
	Audit Practice	Scheme	Chair of >1 LCA study review panel or environmental app			
			Audit course Trainer. Exemplar Global Qualified Lead Auditor		1.0	
	LCA method & Practice	last 10yrs	>12 articles in peer-review journals; 9 Chapters on LCA/EPD/ Life Cycle Thinking in Books, >85 Articles, 32 LCT Education Course Modules		1.0	
		papers & projects	Participant in >3 research projects on issues or case studies including: Government Advisory Reports on water, energy & greenhouse emissions, Architectural Project reports on water, energy & greenhouse emissions & Estidama Pearl Rating Scheme Whole Building LCA Rating Project.		1.0	
		Formal Scientific Qualification	Formal Scientific ≥1 Master thesis equivalent completed in Architectural		0.5	
	Technology or experience represented by LCI datasets			sional, scientific & technical ≥ 3 years e.g as President Australian ety 2013-2014 & Vice President 2011-2013	1.0	
<u>a</u>		NACE Codes	·	Company & Project		
Optional		A - Farming, forestry etc		Global forest product board & paper. Farm biomass	0.5	
ğ		B - Mining & quarrying		Global minerals & aggregates for building		
		C – Manufacturing		Fitout Product for S Africa & Australasia		
		D - Electricity, gas supply		Global, National & State power & fuel supply		
		E – Water & waste		Australian & S Africa water & waste systems	0.5	
	In Private Sector Australia & International @ Global GreenTag International	F - Construction		International Buildings; Bushfire Shelter & Earth Covered Homes	-	
		G - Repair motor vehicles		Hybrid car repair & vintage car restoration		
		H: Transport & storage		Insulation freight & packing in China & Australia	0.5	
		I – Accommodation,		Fitout, cleaning, greasetrap & garbage diversion		
		J: ICT		Global database development for LCA Software		
		M: Professional, Scientific		New method development for Carbon sinks		
		O: Government & defence		National & State Buildings and Facilities		
		P – Education		School, TAFE & University Fitout		
		Q – Health		Personal Care, Disinfection & Hospital Products		
		R – Arts, entertainment		2000 Olympics Sports Venues & Buildings		
	Total	Point Score			31	

# **Delwyn Jones**

Table 13 summarises Delwyn Jones' LCI data reviewer score of 31 points out of the maximum 32 points.

Table 13 Delwyn Jones LCI Reviewer Eligibility Score 2021

Wandatory V. E.	Score Topic Verification & Audit Practice LCA method & Practice work Technology or activity  Verification & Environmental Audit Practice	metrics Years' work No. Review Years' work LCI recipes Recent years  EPD, ISO14001 or EMS Scheme	Industry, Government & CASE studies >21yr environmental review & site audit >100 LCARate >30 reviews of ISO1400 compliant EPDs & LCAs Public & Private Government Principal Scientist & private specialist in LCA >21 Years since 199y >8,000 recipes done building LCI database developer 20 years' experience 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. 1 year Auditor of EMS & LCA for NSW Govt Supply ISO14001 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 <sup>rd</sup> party reviewer for Global GreenTag (GGT) certified EPD & PCR Schemes 15 years Guest Lecturer in environmental audit & LCT courses at 4 Universities	Score 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
Mandatory To B	Audit Practice  LCA method & Practice work  Technology or activity  Verification & Environmental	Years' work LCI recipes Recent years EPD, ISO14001 or	Government Principal Scientist & private specialist in LCA >21 Years since 199y >8,000 recipes done building LCI database developer 20 years' experience 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.  1 year Auditor of EMS & LCA for NSW Govt Supply ISO14001 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 3rd party reviewer for Global GreenTag (GGT) certified EPD & PCR Schemes	4 4 4 2	
Mandatory L	Practice work  Fechnology or activity  Verification & Environmental	LCI recipes  Recent years  EPD, ISO14001 or	>8,000 recipes done building LCI database developer 20 years' experience 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.  1 year Auditor of EMS & LCA for NSW Govt Supply ISO14001 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 3rd party reviewer for Global GreenTag (GGT) certified EPD & PCR Schemes	4 4 2	
Mandatory L	Practice work  Fechnology or activity  Verification & Environmental	Recent years  EPD, ISO14001 or	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.  1 year Auditor of EMS & LCA for NSW Govt Supply ISO14001 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 <sup>rd</sup> party reviewer for Global GreenTag (GGT) certified EPD & PCR Schemes	2	
V	Verification & Environmental	Recent years  EPD, ISO14001 or	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.  1 year Auditor of EMS & LCA for NSW Govt Supply ISO14001 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 <sup>rd</sup> party reviewer for Global GreenTag (GGT) certified EPD & PCR Schemes	2	
E	Environmental	ISO14001 or	year Auditor of EMS & LCA for NSW Govt Supply ISO14001     year Auditor for NSW Govt Olympics 2000 Development ISO14001 LCA     years verify EMS, building & procurement QLD Govt Public Works     year verify ecolabelling: Australasian Procurement & Construction Council     years 3 <sup>rd</sup> party reviewer for Global GreenTag (GGT) certified EPD & PCR Schemes		
				4	
	Audit Practice	EWS Scrience	15 years Guest Lecturer in environmental audit & LCT courses at 4 Universities	1	
			,	1	
			5 yr Chair GGT PCR review panel & 4 yr BHP Research Chair ISO14001 E&OHMS	1	
			5 years University course lecturer in year 4 built environment & LCT verification		
	LCA method & Practice	LCA projects & papers	>5 articles written for & published in peer-review journals >5 Chapters written & published in peer-review books & National Guideline		
			>3 Government & CSIRO research projects on issues or case studies	1	
		Qualification	≥1 Master's thesis equivalent completed at the University of Wollongong	0.5	
		Public	>20-year Global Academic, Professional Body & Government LCA practitioner	1	
	Technology or experience represented by LCI datasets in NACE codes		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.  BHPI Global refractory, metal & inductor industry inventor & author: Aluminium.	0.5	
		Private Sector	Copper, Ceramics, Zinc, Lead, Brass, Steel, Iron, Electromagnetic Levitation, Radio frequency		
e: re L(			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 & tinplate industry @ Al&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	
Optional			CRCI Software developed for building LCA with Stanford U USA, Salford U UK, CSTB France, Finland, Slavenburg, 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	
T	Total		Pont Score	31	

#### **Results**

In the following sections qualifications are tabled for each of the following people to act as LCI reviewers.

Table 14 lists practitioners scores out of a maximum of 32 possible points and contact details.

Table 14 LCI Data Reviewer contact and track record details

Professional	Score/32	Email Contact	https://www.linkedin.com/in/
Jill Jing 12.0		certification5@globalgreentag.com	guannan-jing-73888435/?originalSubdomain=au
Yasmin Kelly 12.5		certification9@globalgreentag.com	/yasminkelly/
Bambang Koproto 16.0		certification3@globalgreentag.com	bambangkoproto/?originalSubdomain=id
Direshni Naiker 21.0		direshni.naiker@gmail.com	direshni-naiker-2b3b8538/?originalSubdomain=za
Murray Jones 23.5		murrayjones@ecquate.com	murrayj/
Dr Sharmina Begum 23.5		sharmina628@gmail.com	https://scholar.google.com.au/citations?user=rmwn7B AAAAAJ&hl=en
Dr Nana Bortsie-Aryee	27.0	certification@globalgreentag.com	awuah-bortsie-aryee-phd-43065019/?locale=es_ES
Mathilde Vlieg 27.0 mathilde@		mathilde@evah.com.au	mathildevlieg/
Shloka Ashar 30.0		shloka@evah.com.au	shloka-ashar-89878223
Delwyn Jones 31.0		delwyn@evah.com.au	delwyn-jones-42473a29
David Baggs 31.0 d		david.baggs@globalgreentag.com	ecolabelling-green-product-certification-transparency/?trk=public_profile

#### **Discussion of Results**

Qualifications & experience of the following people were compared. All were found to exceed the minimum ILCD Handbook prerequisites for LCI data reviewers. All exceeded the lowest minimum score of 5 points.

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

- All Reviewers listed in this report,
- PCR Moderator: Ecquate Pty Ltd 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 & scores declared on the World Wide Web.

#### Conclusions

All persons nominated herein are each considered eligible to be commissioned to submit verifier reports on the LCA used to develop 3<sup>rd</sup> party certified EPDs.

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

To facilitate program & system transparency the name, score & qualifications of Jill Jing, Yasmin Kelly, Bambang Riyadi Koproto, Direshni Naiker, Murray Jones, Dr Sharmina Begum, Mathilde Vlieg, Dr Nana Bortsie-Aryee, Shloka Ashar, David Baggs and Delwyn Jones are to be posted & declared on the World Wide Web.

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