Global Ecobrick Alliance

Regenerativity Report

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Regenerativity Report Template v2.0

by the Global Ecobrick Alliance

An Accounting of CO2, Plastic and Biodiversity Impacts for Public Disclosure.

This is a fully voluntary ecological accounting report that summarizes the grey and green impacts of the Global Ecobrick Alliance over the period of January 1st 2020 and December 31st 2020. Regenerativity Reports are a means for for-Earth enterprises to track and disclose their ecological commitment and contribution to the green of local and global ecosystems.

Regenerative Reporting embodies the principles of Earthen Ethics in raising the ecological awareness of all those involved in the scope of the enterprise.

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The Global Ecobrick Alliance

The Global Ecobrick Alliance is an Earth Enterprise focused on maintaining the technological and conceptual infrastructure of the global plastic transition movement. The GEA is composed of over 400 trainers around the world who lead ecobrick trainings, raise awareness about the perils of plastic and promote plastic sequestration. The enterprise has bases in Gianyar, Indonesia and Newforest, UK.

www.ecobricks.org/about

For Earth-Enterprise

By tracking and accounting for their ecological impacts, and by disclosing them herein, this enterprise formally expresses it's commitment to for-Earth benefit over it's own proprietary profit.

Key Green Indicators

This is a overview of the Enterprises key green indicators (KGI) over the last year. KGI are calculated using the coefficients and calculations found in the subsequent sheets of this report.

Biodiversity

An enterprise's support of essential to it's for-Earth mandate.

2020 open/closed space — **29% open to biodiversity**

ⓘ To account and track its support of biodiversity, the ratio of its net space's human-only vs. diversity-open space is tracked.

2020 Species Supported — **25 species supported**

ⓘ A further indicator of an enterprises support of biodiversity is the number of species it supports.

2020 Trees supported — **5 trees supported**

ⓘ The number of trees supported in an enterprise's sapce is also a tracked KGI.

2019 to 2020 Diversification rate — **60% rate of diversification**

ⓘ A final primary KGI is the per annum change in an enterprise's count of species supported. An increase in this rate is a requisite for green.

Plastic

Plastic as a physical representation of the petro-capital economy is KGI of an enterprise for-Earth mandate.

Additive Plastic Impacts — **Plastic / year**

ⓘ The tracking and disclosure of an enterprises additive plastic impacts in terms of production and consumption is a fundamental KGI.

2020 Plastic Consumption

Bali Home base	11 Kg plastic
UK Home base	Report pending
Total Consumed	**11 Kg plastic**

2020 Plastic Production

Bali Operations	12 Kg plastic

UK operations	Report pending
2020 Services	203 Kg plastic
2020 Products	7 Kg plastic
Total Produced	223 Kg plastic
Total	+ 234 Kg plastic

ⓘ The total amount of plastic generated by the enterprise over the course of the last year.

Subtractive Plastic Impacts

Plastic / year

ⓘ The tracking and disclosure of an enterprises subtractive plastic impacts in terms of sequestration and offsetting is a fundamental KGI.

Direct Sequestration	355 Kg plastic
Recycling credit	4 Kg plastic
Catalyzed sequestration	10,895 Kg plastic
Total	**11,254 kg plastic**

ⓘ The total amount of plastic removed from the biosphere in the past year that the enterprise can take credit for.

2020 Net Plastic Impact

-11,020 kg plastic

ⓘ The total additive plastic impact of the enterprise is subtracted for the green to get the year's net impact.

Plastic Transition Score

4818%

ⓘ This KGI is generated by dividing the total additive plastic impact of the enterprise, by it's subtractive impact.

ⓘ The Plastic Transition Score KGI is a percentage of zero waste. Learn more at www.ecobricks.org/transition

Carbon

Plastic as a physical representation of the petro-capital economy is KGI of an enterprise for-Earth mandate.

Additive CO2 Impacts

CO2e/kg/year

ⓘ The tracking and disclosure of an enterprises additive carbon impacts is a fundamental KGI of its for-Earth mandate.

Scope 1 and 2

Transportation	4,998 Kg CO2
Plastic	41 Kg CO2
Electricity & Gas	220 Kg CO2
Devices & Servers	31 Kg CO2
Products	11 Kg CO2

Services	7,402 Kg CO2
Total	**+5,290 Kg CO2**

ⓘ Total amount of CO2 added to the atmosphere by the enterprise over the last year.

Subtractive CO2 Impacts

CO2e/kg/year

ⓘ The tracking and disclosure of an enterprise's subtractive carbon impacts is a fundamental KGI of its for-Earth mandate.

Scope 1 and 2

Home Base Food Forest	-250 Kg CO2
Plastic Sequestration CO2e	-982 Kg CO2
Plastic Sequestration Catalyzed CO2e	-33,774 Kg CO2
Total	**-35,006 Kg CO2**

ⓘ Total amount of CO2 subtracted into sequestration by the enterprise over the last year.

Total CO2 impact for 2020

-29,716 Kg CO2

ⓘ Net CO2 impact of the enterprise over the last year. Negative numbers means net-subtraction.

Carbon Transition Score

662%

ⓘ This KGI is generated by dividing the total additive plastic impact of the enterprise, by it's subtractive impact.

Biodiversity Impact

Key to the fulfilling an enterprise's for-Earth mandate is tracking and accounting for the life and the biodiversity that it supports. Here the enterprise discloses it's grey to green space ratios and its support of species.

2020 Enterprise Owned Spaces	Human only	Open to all	Openess
Gianyar, Indonesia (total space 224 m2)	157 m2	67 m2	29%
New Foresk, UK	data pending	data pending	
Openness to Biodiversity			29%

ⓘ This is how much of the enterprise's space is open to biodiversification

Full Enterprise Space Reporting Reference www.russs.net/forest

ⓘ Enterprises must provide a reference to life-list to documenting their support of biodiversity

2020 Species Support	No. in 2019	No. in 2020	Change
Animals	2	5	40%
Insects	3	4	75%
Plants	6	12	50%
Trees	3	4	75%
Total	14	25	60%

Full Enterprise Species Documentation Reference www.russs.net/forest

ⓘ Enterprises must provide a reference to life-list to documenting their support of biodiversity

2020 Trees Supported	Bali Count	UK count
Jackfruit	1	data pending
Avocado	1	data pending
Bringin	2	data pending
Moringa	1	data pending
Total trees	5	data pending

ⓘ Tree tally is used elsewhere in the report for CO2 subtractive calculations

Plastic Coefficients

Plastic is a key green indicator of an enterprises transition to regenerativity. When accounting for the greeness of an enterprise, it is essential to account for additive and subtractive plastic impacts. The calculations in this document use the follow CO2 equivalency coefficients. See each coefficients reference to determine it's source or rational behind it's estimation.

Additive Plastic Impacts

Bali GEA Base	0.900	kg plastic per month
Reference	Russell & Ani's 2020 Household Plastic Impact Assessment https://www.gobrik.com/#disclosure/plastic-impacts/5b8c2adb22ddfb2591bf5f9d/	
Meals out	0.150	kg plastic per meal
Reference	Small motor bike – UK Dept. of Busines, Energy and Industrial Strategy, Greenhouse Gas Reporting: Conversion Factors 2020	
Coffee	0.001	kg CO2e per cup
Reference	Small motor bike – UK Dept. of Busines, Energy and Industrial Strategy, Greenhouse Gas Reporting: Conversion Factors 2020	
Laptop	0.5	kg CO2e per laptop lifetime
Reference	80/20 Vegetarian / Meat diet - Environmental impacts of food production, Our World in Data 2020	
Smart Phone	0.4	kg plastic per phone lifetime
Reference	Examining the Carbon Footprint of Devices, Microsoft, Sustainable Software, 2020	
Domestic Air Travel	0.550	kg plastic per ticket
Reference	2020 Global Ecobrick Alliance estimate	
International Air Travel	0.750	kg plastic per ticket
Reference	2020 Global Ecobrick Alliance estimate	
Liquid Propane Gas	0.002	kg CO2e per Litre
Reference	2020 Global Ecobrick Alliance estimate	

Subtractive Plastic Impact Coefficients

Recycling	0.09	kg secured per kg recycled
Reference	https://advances.sciencemag.org/content/3/7/e1700782	
AES Plastic	3.1	kg CO2e per kg AES
Reference	www.ecobricks.org/aes	
1 Brikcoins	0.10	kg AES
Reference	www.ecobricks.org/aes	

Additive Plastic Impacts

An enterprises additive plastic impacts fall into two categories-- plastic production and consumption. Plastic produced is that which is passed on by the enterprise to others (i.e. through product packaging or the product itself). Plastic consumed that which is used internally by the staff or operations of the enterprise (i.e. plastic that accumulates in office/home. Enterprise monitoring of plastic purchases (i.e. of raw plastic materials) is essential for estimating the total produced. Enterprise tracking of the monthly weight of plastic placed inside in-house recycling and waste bins is essential for monitoring total plastic consumed.

Bali GEA Base

The GEA main location is the household home office of Russell and Ani in Bali, Indonesia. A full breakdown and disclosure of their home enterprise can be found at: www.russs.net/earthen

2020 Plastic Consumption	months	kg plastic	Total
Measured monthly consumption	12	0.900	10.800 kg
Total			**10.800 kg**

2020 Plastic Production	per month	kg /month	Total Year
Meals out	5	0.150	9.000 kg
Coffees out	15	0.001	0.180 kg
Propane	2	0.002	0.048 kg
Other 2020 Impacts	**Items/year**	**kg plastic**	
Laptops	0.13	0.500	0.065 kg
Phones	0.60	0.400	0.240 kg
Plastic from domestic air travel	2	0.550	1.100 kg
Plastic from international air travel	2	0.750	1.500 kg
Total			**12.133 kg**

Total 2020 Additive Plastic Impacts 22.9 kg plastic

Subtractive Plastic Impacts

Subtractive plastic impacts fall into three main categories: plastic that is ecobricked/sequestered by the staff and operations of the enterprise. Plastic offsett credits that have been purchased by the enterprise. And plastic sequestration that has been catalyzed by the enterprise through its community engagement.

2020 Bali Base Subtractive Plastic Impacts	Plastic/kg/year
Household ecobricking	4.7
Household Brikcoin Offsetting	323.0
Household Cash Offsetting	27.0
Total	354.7 kg AES

The official household AES plastic certification can be found at: https://www.gobrik.com/#disclosure/plastic-impacts/5b8c2adb22ddfb2591bf5f9d/

2020 Bali Base Recycling Impacts	Estimated Rate	Recycled per year
Consumption recycling	30%	3.2
Production recycling	10%	1.2
Total		4.5 kg AES

The official household AES plastic certification can be found at: https://www.gobrik.com/#disclosure/plastic-impacts/5b8c2adb22ddfb2591bf5f9d/

2020 Brikcoin Blockchain Catalization of Plastic Sequestra	Plastic/kg/year

The GEA maintains the GoBrik app and through it the Brikcoin manual blockchain which play a direct role in the sequestration of plastic out of the biosphere. The work of the GEA fulfils all the principle of an Earthen Enterprise thus entitling the work to be claimed as deep green.

Authenticated Plastic Sequestration	10,894.9

See https://gobrik.com/#previous-year-impact

Plastic Ecobricked by GEA trainers

We are omitting tabulating these imapacts in our calculations for 2020 as not all GEA trainers have completed their estimate of their additive plastic impacts. Listing these impacts without the corresponding additive impacts of our trainers would thus be inaccurrate. This section is included however as we intend to incorporate this accounting in our 2021 reporting.

Plastic Ecobricked by GEA trainers	734.3
Cash Plastic Offsetting by GEA tainers	36.0
Cash Plastic Offsetting by GEA tainers	443.7
Total Impact	1,214.0

Total 2020 Subtractive Plastic Impacts 11,254 Kg plastic

Carbon Coefficients

An essential component of an Enterprise's ecological accounting is the tracking of the carbon dioxide impacts over the course of the year. Every aspect of an enterprise has a carbon impact. To the best of our ability we use the most established and generally accepted carbon equivalency coefficients. See each coefficients reference to determine it's source or rational behind it's estimation.

Additive Carbon Impacts

ⓘ These are impacts that add CO2 to the atmosphere at a given rate per unit.

Electricity	0.460 kg CO2e per kilowatt hour
Reference	2020 Reference, Paiton Energy, Coal Fire Power Plant providing power for Bali, Indonesia
Domestic Air Travel	0.153 kg CO2e per kilometer
Reference	Air travel, short-hall, UK Dept. of Business, Energy and Industrial Strategy, Greenhouse Gas Reporting: Conversion Factors 2020
International Air Travel	0.138 kg CO2e per kilometer
Reference	Air travel, International, UK Dept. of Busines, Energy and Industrial Strategy, Greenhouse Gas Reporting: Conversion Factors 2020
Transportation (Scooter)	0.083 kg CO2e per kilometer
Reference	Small motor bike – UK Dept. of Busines, Energy and Industrial Strategy, Greenhouse Gas Reporting: Conversion Factors 2020
Transportation (Car)	0.204 kg CO2e per kilometer
Reference	Large car – UK Dept. of Busines, Energy and Industrial Strategy, Greenhouse Gas Reporting: Conversion Factors 2020
Plastic Use	3.120 kg CO2e per kg of plastic used
Reference	Material Usage, Average Plastics – UK Dept. of Busines, Energy and Industrial Strategy, Greenhouse Gas Reporting: Conversion Factors 2020
Local Food	0.400 kg CO2e per kg of food purchased
Reference	80/20 Vegetarian / Meat diet - Environmental impacts of food production, Our World in Data 2020
Super Market Food	2.500 kg CO2e per kg of food purchased
Reference	80/20 Vegetarian / Meat diet - Environmental impacts of food production, Our World in Data 2020
Garden Grown Food	0.000 kg CO2e per kg of food purchased
Reference	80/20 Vegetarian / Meat diet - Environmental impacts of food production, Our World in Data 2020
Laptop	152.0 kg CO2e per laptop lifetime
Reference	80/20 Vegetarian / Meat diet - Environmental impacts of food production, Our World in Data 2020
Smart Phone	152.0 kg CO2e per phone lifetime
Reference	Examining the Carbon Footprint of Devices, Microsoft, Sustainable Software, 2020
Servers	0.00079 kg CO2e per view
Reference	https://websitecarbon.com/
Liquid Propane Gas	0.45400 kg CO2e per Litre
Reference	https://ecoscore.be/en/info/ecoscore/co2

Zoom Meeting	1.130	Kg of CO2e per 1 hour Zoom meeting per person
Reference	https://www.utilitybidder.co.uk/business-electricity/zoom-emissions/	
Acrylic Paint	2.716	Kg of CO2e per 1L acrylic paint
Reference	https://www.newlifepaints.com/carbon-impact-of-waste-paint-the-stats	
Internet data transfer	0.046	Kg of CO2e per 1GB of data transferred
Reference	(0.1kWh/GB) Pihkola et al., 2018 https://www.mdpi.com/2071-1050/10/7/2494	

Subtractive Carbon Impacts

ⓘ These are impacts that subtract CO2 out of atmosphere into sequestration.

Trees	-50.0	kg CO2e per year
Reference	https://greenearthappeal.org/co2-verification/	
AES Plastic	-3.1	kg CO2e per kg AES
Reference	www.ecobricks.org/aes	
1 Brikcoin	-0.31	kg CO2e per kg AES
Reference	Products and services sold in Brikcoins qualify for a CO2e equivalency according to the GEA	
Bamboo	-0.51	kg CO2e per kg AES
Reference	https://worldbamboo.net/wbcx/Keynotes/KeynotevanderLugt.pdf	
Rattan	-0.01	kg CO2e per kg AES
Reference	https://files.mandala.team/s/MA5Sz5jZdbdzNDZ	

Additive CO2 Impacts

Additive impacts are the processes of an enterprise that generate CO2. Also referred to as a grey carbon impacts, their determination is based on enterprise data for the year multiplied by the relevant coefficient. Tallies are automatically calculated using the coefficients on the previous sheet.

Domestic Air Transportation	Kms	kg CO2e / km	tickets	Total kg
Jarkarta to Bali	1190	0.153	2	364.1
Total			2	**364 kg CO2**

International Air Transportation	Kms	Kg CO2e / km	tickets	Total
Ottawa to Jakarta	15638	0.138	2	4316.1
Total			2	**4,316 kg CO2**

Local Transportation	Avg Km per day	kg CO2e / km	days	Total
Scooter Transportation	13	0.083	225	242.1
Car Transportation	37	0.204	10	75.5
Total				**318 kg CO2**

Plastic CO2 Impact	Kg of plastic	kg CO2e / kg	months	Total
Household Plastic Consumption	0.9	3.1	12	33.7
Household Plastic Generation	0.2	3.1	12	7.5
Total				**41 kg CO2**

Food	Kg of food	Kg CO2e / kg	months	Total
Grown food	20.0	0.0	12	0.0
Locally Bought food	20.0	0.4	12	96.0
Supermarket food (imported)	15.0	2.5	12	450.0
Total				**546 kg CO2**

Electricity	kw/hr/month	kg CO2e / kw hr	months	Total
Indonesia Electricity	30.0	0.460	12	165.6
Total				**166 kg CO2**

Gas	Liters/month	kg CO2e / L	months	Total
Natural gas	10.0	0.454	12	54.5
Total				**54 kg CO2**

Devices	Net CO2e kg	Units	Years used	Year impact
Laptops	152.0	3	23	19.8
Phones	55.0	3	5	11.0
Total				**31 kg CO2**

Servers	Visitors / month	CO2e/kg/visit	months	Total
ⓘ CO2 per view determined using https://www.websitecarbon.com				
Ecobricks.org	20000	0.00061	12	146.4
NextCloud File Server	300	0.00100	12	3.6
GoBrik.com	6000	0.00134	12	96.5
Mattermost Server	200	0.00183	12	4.4
Total				**251 kg CO2**

Total Additive Carbon Impact in 2020	6,087 Kg CO2

Subtractive CO2 Impacts

An enterprise's subtractive carbon impacts lead to the removal of carbon from the atmosphere and it's sequestration. Also referred to as green carbon impacts these can be biological (such as the work of tree), human powered (such as plastic sequestration) or they can be equivalent subtraction credits purchased from a deep green enterprise dedicated to sequestration activities.

Home Garden Trees	Trees	CO2e/kg/year
Coconut	1	-50.0
Jackfruit	1	-50.0
Moringa	1	-50.0
Banyan	2	-50.0
Avocado	1	-50.0
Total		**-250 kg CO2**

An extensive accounting of our home garden and trees can be found at www.russs.net/forest

Plastic Sequestration CO2e	Kg AES plastic	Kg CO2e / kg	Total
Ecobricking	4.7	-3.1	9.610
AES Cash Offsetting	27.0	-3.1	9.610
AES BRK Offsetting	323.0	-3.1	-1001.300
Total			**-982 kg CO2**

An full documentation of our plastic sequestration can be found at www.gobrik.com/#disclose

Catalyzed Plastic Sequestratin	Kg AES plastic	Kg CO2e / kg	Total
Brikcoin Blockchain	10894.9	-3.1	-33,774 Kg CO2

An full documentation of the brikchain's 2020 impact can be found at www.gobrik.com/#brikchain

Total Carbon Subtractive Impacts in 2020 -35,006 kg CO2

Products Addendum

An additional breakdown of the Enterprises per service ecological impacts. These impacts are then used in the main enterprise calculations. All coeffecients marked with an (*) are declared on the plastic and carbon coeffecient pages.

EarthWands

EarthWands are bamboo packing sticks that are produced by the GEA and sold by trainers as means to raise funds for the ecobricking movement. A full breakdown of the EarthWand product impact report can be found at www.ecobricks.org/earthwand

Plastic (per 1000 units)	Units required	Unit weight		Total
Expoxy glue	1	0.050 kg		0.050
Plastic pens	3	0.100 kg		0.300
Glue bottles	5	0.100 kg		0.500
Shipping packaging	10	0.300 kg		3.000
Subtotal (plastic per 1000 earthwands)				**3.850 kg**
Number of units sold in 2020			x	1200
Total Plastic Generated				4.6 kg

CO2

Electricity for practicums by trainers for 150 min		kw/hrs	kg/kw/hr*	Total
The cutting, drilling and sanding of EarthWands requires electricity.		45.000	0.460	8.0 kg
Local Shipping		**kg/kwhr**	**sessions**	
Electricity for practicums by trainers for 150 min		0.460	7	2.5 kg
Server Data Transfer	**Orders**	**Data Order**	**CO2e/GB***	
Estimated 0.01GB data transfer per order	1200	0.001	0.046	0.1 kg
Plastic material impact		**Plastic**	**kg/kg***	
The CO2 impact of the plastic used		4.6 kg	3.120	14.4 kg
Bamboo material Impact	**orders**	**weight**	**Kg CO2 per kg***	

The CO2 impact of the bamboo grown for the product	1200	0.05	-0.510	-30.6 kg
Plastic material impact		**weight**	**Kg CO2 per kg***	
The CO2 impact of the product's rottan	1200	0.010	-0.010	-0.1 kg
Bamboo material Impact	Stands	kgCO2/stand/year		
EarthWand CO2 Impact in 2020	**2.0**			-5.8 kg

Ecobrickable Stickers

The Global Ecobrick Alliance produces and sells 'Ecobrickable Designator' stickers. These stickers are printed on a combination of paper and platic. One sheet contains 140 stickers. In 2020 we produced and distributed 2500 stickers by adding them to EarthWand orders.

Plastic (per 1000 units)	Sheets	kg per sheet		Total
Sticker under-paper	7	0.021 kg		0.147
Stickers	1000	0.001 kg		1.000
Shipping packaging		n/a		
Subtotal (plastic per 1000)				**1.147 kg**
Number of stickers produced			x	2500
Total Plastic Generated				2.9 kg

CO2

Electricity		**kw/hrs**	**kg/kwhr**	**Total**
Printing and design revision		5.000	0.460	8.0 kg
Plastic material impact		**Plastic**	**kg/kg***	
The cutting, drilling and sanding of EarthWands requires electricity.		2.868	3.120	8.9 kg
Server Data Transfer	**Orders**	**Data Order**	**CO2e/GB**	
Estimated 0.01GB data transfer per Kit download	121	0.010	0.046	0.1 kg
Total Sticker Impact in 2020				17.0 kg

Total Product CO2 Generation	11 kg CO2
Total Product Plastic Generation	7.5 kg plastic

Services Addendum

An additional breakdown of the Enterprises per service ecological impacts. These impacts are then used in the main enterprise calculations. All coefficients marked with an (*) are declared on the plastic and carbon coefficient pages.

2020 Trainer of Trainers (Online)

Online Training of Trainer Ecobrick workshops are led via zoom by GEA master trainers. In 2020 we shifted to online ToT over onsite. We led 12 in 2020 with an average of 7 participants (and 3 trainers) for four 2 hr sessions. See www.ecobricks.org/trainings for a profile of this service.

Plastic	Units required	Plastic per unit	Participants	Total
Scissors	1	0.050 kg	7	0.4 kg
Scissors and a cutting tool are required for the workshop				
PET Bottle	1	0.007 kg	7	0.0 kg
At least one PET bottle is required for the workshop. Usually these are sourced from the trainers area.				
Silicone	1	0.500 kg	7	3.5 kg
One tube of silicone sealant is required (HDPE tube)				
Subtotal				3.9 kg
10 ToT Online workshops in 2020			x	10
Total for all 2020 workshops				**39.0 kg plastic**

CO2

Zoom Bandwidth	kg/person/hr*	Participants	Hours	Total
7 participants / 3 trainers / 2hrs / 4 sessions	1.130	10	8.0	90 kg CO2
Participant Practicums	**kg/kwhr**	**sessions**	**Hours**	
Electricity for practicums by trainers for 150 min	0.460	7	2.5	8 kg CO2
Plastic material impact	**total plastic**	**kg plastic/ kg CO2***		
The plastic consumed by the service has its own CO2e impact	39.0	3.120		122 kg CO2
Subtotal				**220 kg CO2**
10 ToT Online workshops in 2020			x	10

2020 ToT Total	2201.0

2020 Starter Workshops (Online)

Online Ecobrick workshops are led via zoom by GEA trainers to introduce ecobricks. In 2020 we had 180 workshops online with an average of 15 participatns. See www.ecobricks.org/trainings for a profile of this service.

Plastic	Units required	Plastic per unit	Av. Participants	Total
Scissors	1	0.050 kg	15	0.8 kg
Scissors and a cutting tool are required for the workshop				
PET Bottle	1	0.007 kg	15	0.1 kg
At least one PET bottle is required for the workshop. Usually these are sourced from the trainers area.				
Subtotal				**0.9 kg**
180 ToT Online workshops in 2020			x	**180**
Total for all 2020 workshops				**153.9 kg plastic**

CO2

Zoom Bandwidth	kg/person/hr*	Participants	Hours	Total
Avg. 7 participants + 3 trainers for 120min	1.130	15	1.5	25 kg CO2
Plastic material impact	**total plastic**	**kg plastic/ kg CO2***		
The plastic consumed by the service has its own CO2e impact	0.9	3.120		154 kg CO2
Subtotal				25 kg CO2
Number of Online starter workshops in 2020:			x	**180**
2020 Starter Workshops				4,577 kg CO2

2020 Starter Workshops (Onsite)

Onsite Ecobrick workshops are led in person by GEA trainers to introduce ecobricks to a group. These workshops were cut to a minimum during 2020. See www.ecobricks.org/trainings for a profile of this service.

Plastic	Units required	Plastic per unit	Av. Participants	Total
Scissors	1	0.050 kg	15	0.8 kg
Scissors and a cutting tool are required for the workshop				
PET Bottle	1	0.007 kg	15	0.1 kg
Banner and signs				
Snacks and lunch plastic	2	0.010 kg	15	0.3 kg
At least one PET bottle is required for the workshop. Usually these are sourced from the trainers area.				

Subtotal		**0.9 kg**
No. of starter workshops in 2020	x	**12**
Total for all 2020 workshops		**10.3 kg plastic**

CO2

Trainer Transportation	**kg/km**	**Persons**	**Total CO2**
Avg. 12 km there and back by car	**0.204**	**2**	**0.4 kg**
Participant transportation			
Avg 1km by car for local participants	**0.204**	**15**	**3.1 kg**
Subtotal			**3 kg CO2**
Number of Online starter workshops in 2020:			**180.0**
2020 Starter Workshops			**624 kg CO2**

Total 2020 Services Plastic Impact — 203.2 kg plastic

Total 2020 Services CO2 Impact — 7,402 kg CO2

Towards the Green World for All, We All Long to See.

Regenerativity reports are a means for enterprises to track and disclose their ecological commitment and contribution to the green of local and global ecosystems. This template report is provided free of charge for for-Earth enterprises via a creative commons BY-SA 4.0 license b the Global Ecobrick Alliance as part of their Catalyst Company program.

Get started with your own Regenerative Reporting

www.ecobricks.org/catalyst

Learn more about the criteria of Earthen Ethics

russs.net/earthen