

2021 EARTH CHARTER INDEX

Contributions of Countries to Planetary Well-being

DRAFT SYNOPSIS



2021 EARTH CHARTER INDEX

Contributions of Countries to Planetary Well-being

DRAFT SYNOPSIS

FOR COMMENTS, SUGGESTIONS, AND REVIEW,
NOT FOR CIRCULATION

2021 THE EARTH CHARTER INDEX SYNOPSIS
Contributions of Countries to Planetary Well-being

Lead authors and researchers: Anupam Saraph, Mirian Vilela, Alicia Jimenez, and Sifan Jiang

First Edition

San Jose, Costa Rica

1. Earth Charter. 2. Development. 3. Sustainability Assessment. 4. Sustainable Development Goals
5. Planetary Well-being

Intellectual property

This work is licensed under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

All rights reserved. No part of this publication may be reproduced in any form or by any means, electronic or mechanical without prior permission.

Published by

Earth Charter International

March 2021

Table of Contents

<i>What is the Earth Charter Index?</i>	1
What is the Earth Charter?	2
Contributions of Countries to Planetary Well-being	3
Summary of 2021 Scores and Rankings	4
<i>Index of Contribution to Respect and Care for the Community of Life</i>	6
What are we Measuring?	6
The 2021 Scores and Rankings	7
<i>Index of Contribution to Ecological Integrity</i>	12
What are we Measuring?	12
The 2021 Scores and Rankings	12
<i>Index of Contribution to Social and Economic Justice</i>	18
What are we Measuring?	18
The 2021 Scores and Rankings	18
<i>Index of Democracy, Non-Violence and Peace</i>	24
What are we Measuring?	24
The 2021 Scores and Rankings	24
<i>Recommendations</i>	30
<i>Future Directions of the Earth Charter Indices</i>	31
<i>Rankings of Contribution to Our Shared Planet</i>	32
<i>Acknowledgments</i>	39
<i>Copyright and Disclaimers</i>	40

What is the Earth Charter Index?

“All nations on Earth have the same destiny, and they face the future together – not separately. They must either take care of one another and thus guarantee a common future, or both take the risk to perish.”

- Leonardo Boff

The question that arises from the profound truth of our global interdependence is how have countries resorted to ethical actions in recognition of their responsibility to our shared planet? It is long recognized that a sustainable lifestyle is one that allows to meet the current needs of all humankind in a way that will allow Earth to reproduce, regenerate, and evolve, and meet the needs of the future generationsⁱ. The Sustainable Development goals aim to accomplish a sustainable lifestyle yet fall short of providing a means to measure the magnitude of contributions of each country towards our shared planet while at the same time recognizing the well-being of the greater community of life.

The Earth Charter Index were born out of this need to create a measure of the magnitude of each countries contributions towards their common home, shared by the greater community of life, and shared responsibility for its well-being.

The Earth Charter Index, thus, measures contributions of countries for the well-being of our shared planet. They allow us to understand how countries turn their conscience to action, recognizing global interdependence and this shared responsibility for the well-being of the greater community of life. In particular, it provides a measure of ethical actions, driven by different countries, that contribute to the four pillars of the Earth Charter.

While there are many indices that measure the performance of the economy and human developmentⁱⁱ, democracyⁱⁱⁱ, liveability^{iv}, and environment^v of different countries, these indices have been developed from an anthropocentric view of the world. They compare countries as if they were in a race with each other, rather than as different communities contributing to keep our common planet habitable and thriving. They are based on different sources of data, many of them have data for few years, are not regularly updated, or do not cover a large number of countries. Most importantly, these do not measure the contributions of the countries to our shared responsibility for the well-being of our shared planet.

The Earth Charter Index is an ongoing effort of the Earth Charter International to provide countries with the ability to track their contributions to keeping our shared planet habitable and thriving. The Earth Charter Index attempts to capture the intent of the Earth Charter to view the planet as our common home, shared by the community of life and ensure that the index reflects respect and care for the community of life, not just humans. It provides a starting point to recognize where a country stands, and how it may contribute to the planet through ethical actions defined by the four pillars of the Earth Charter.



Photo by [Jasper Gronewold](#) on [Unsplash](#)

What is the Earth Charter?

The Earth Charter^{vi} offers an interdependent set of principles for a sustainable way of life as a common standard by which the conduct of all individuals, organizations, businesses, governments, and transnational institutions is to be guided and assessed.

The Earth Charter recommends that:

“We must imaginatively develop and apply the vision of a sustainable way of life locally, nationally, regionally, and globally. Our cultural diversity is a precious heritage and different cultures will find their own distinctive ways to realize the vision. We must deepen and expand the global dialogue that generated the Earth Charter, for we have much to learn from the ongoing collaborative search for truth and wisdom.

Life often involves tensions between important values. This can mean difficult choices. However, we must find ways to harmonize diversity with unity, the exercise of freedom with the common good, short-term objectives with long-term goals. Every individual, family, organization, and community has a vital role to play. The arts, sciences, religions, educational institutions, media, businesses, nongovernmental organizations, and governments are all called to offer creative leadership. The partnership of government, civil society, and business is essential for effective governance.

In order to build a sustainable global community, the nations of the world must renew their commitment to the United Nations, fulfil their obligations under existing international agreements, and support the implementation of Earth Charter principles with an international legally binding instrument on environment and development.

Let ours be a time remembered for the awakening of a new reverence for life, the firm resolve to achieve sustainability, the quickening of the struggle for justice and peace, and the joyful celebration of life.”

The Earth Charter calls attention to a sense of global interdependence and shared responsibility for the well-being of the greater community of life. It provides an ethical framework of four pillars to guide our conscience to action.

Pillar I Respect and Care for the Community of Life: Respect means to recognize the other, and to perceive its intrinsic value and interdependence. The community of life in all its splendid diversity, is the most threatened reality.^{vii} This sense of respect also involves responsibility, respect and care across generations.

Pillar II Ecological Integrity: Ecological Integrity means the ability to maintain conditions essential for the evolution, ecosystem regeneration and resilience of the community of life by preserving a healthy biosphere with all its ecological systems, a rich variety of plants and animals, fertile soils, pure waters, and clean air^{viii}.

Pillar III Social and Economic Justice: Social and economic justice means ensuring a natural and social environment supportive of human dignity, bodily health, and spiritual well-being^{ix}.

Pillar IV Democracy, Non-Violence, and Peace: Democracy and nonviolence require the security of peace and not the peace of security; not the peace of imposition, of fear, of silence^x.

In a world where our common future depends not merely on making economic progress, but on ensuring the planet is habitable and thriving, the Earth Charter offers guidance for action. It appeals to the conscience of the people of different countries to provide them with a means to contribute to our shared responsibility for the well-being of the greater community of life.

Contributions of Countries to Planetary Well-being

There is no easy measure of actions driven by conscience. The Earth Charter Index offers an initial framework to recognize and measure the contributions of countries to ensure the well-being of our shared planet. It uses the Earth Charter and its four pillars as the guiding framework to measure the contributions of the countries. At the outset, it is important to acknowledge that the broad and comprehensive nature of the Earth Charter and its pillars makes very difficult the task of creating a measurement instrument that addresses all it enunciates. However, its compelling ethical framework to guide actions for the well-being of our shared planet makes it the best choice for creating this index.



Photo by [Louis Reed](#) on [Unsplash](#)

We use surrogate measures for definitions of each pillar to compute the contributions of each country to the pillar. We source the data from the World Bank^{xi}. For the 2021 report, we use the latest year where data is available for more than 176 countries. Countries where data was not available are marked as “-”.

The Earth Charter Index comprises of the following five measures of contributions to the 4 pillars of the Earth Charter and the aggregate contribution of the country to the planet:

1. Index of contributions to Respect and Care for the Community of Life
2. Index of contributions to Ecological Integrity

3. Index of contributions to Social and Economic Justice, and
4. Index of contributions to Democracy, Non-Violence, and Peace
5. Index of contributions of countries to our shared planet

In order to make the contributions of different countries and different indices comparable as well as understand the contributions of countries over time, we standardize the scores of indices. The country contributions are measured as the index-score averages for each pillar for the country.

The contributions of continents to a pillar are the index-score averages for the pillar indices of the countries in the continent. The planetary index for a pillar is the index-score average for the pillar indices of the continents.

We use a scale of green-orange-red to depict the cause for ease or cause for concern to the contributions of countries to each pillar. Values above 80 are darkest shade of green, those below 30 as darkest shade of red. Those in between are softer shades of green, orange, and red. Scores hovering around 50 would be lighter shades of green or even orange and a serious cause for worry.

We also provide the *percentile* rankings of countries. The percentile ranks measure how many scores fall under a specific percentile rank. For example, a percentile of 99 indicates that 99 percent values in index fall below the percentile rank.

We provide an overall country rank assigned to the serial position of the country in the overall country scores as a serial number with all indices. This helps draw attention to the fact that while countries may fare extremely well in their contributions to one pillar, they may yet fare poorly in the overall contributions to planetary well-being or vice-versa.

Summary of 2021 Scores and Rankings

The contributions of countries to all pillars, except social and economic justice, as reflected by their index scores across countries are a cause for serious concern. They suggest an indifference in our actions to keeping our shared planet habitable and thriving (for present and future generations). The maximum country contributions to our shared responsibility for the well-being of the greater community of life was alarmingly at 54.83 and the minimum was 45.71.

The contributions of countries to each Pillar except Social and Economic Justice have gradually declined since 1990. The contributions of many countries have declined to levels that are cause for serious concern, alarming, or severe. The index scores of different countries in each Pillar are diverse, resulting in widely varying rankings for each Pillar and overall score and ranking for the countries.

Respect and Care for the Community of Life and Ecological Integrity are the casualties as contributions to Social and Economic Justice has increased. Country index scores for Democracy, NonViolence and Peace too have dropped to alarming levels.

In an alarming decline in contribution to Respect and Care for the Community of Life, 75 percent of the countries score less than 47.49 in their contributions to Respect and Care for the Community of Life. The maximum contribution to Respect and Care for the Community of Life has dropped from 203.47 in 1990 to 79.14 in 2015.

The contributions of countries to Ecological Integrity too have dropped alarmingly with 75 percent of the countries having a score less than 48.31. The maximum contribution too has declined to 57.14 in 2018 in comparison to 74.99 in 1990.

In contrast, 75 percent of the world's countries have a score below 62.21 for their contributions to Social and Economic Justice. The maximum contributions have increased from 62.88 in 1990 to 68.20 in 2018 while the minimum values have also increased from 23.20 in 1990 to 40.14 in 2018.

The contributions of countries to Democracy, NonViolence and Peace of 75 percent of the countries is alarmingly low at 48.87. The maximum values have dropped to 61.13 in 2018 from 89.69 in 1990.

In 2015, Suriname, Central African Republic, Australia, Japan, and Italy have the highest overall Planetary Contributions percentile rankings. This is despite of Central African Republic having amongst the poorest scores for its contributions to Social and Economic Justice and Democracy, Non-Violence and Peace and Australia, Japan, and Italy having amongst the poorest scores for Respect and Care for the Community of Life and Ecological Integrity.

In 2015, Central African Republic, Suriname, Guyana, South Sudan and the Congo, Rep. have the highest percentile ranking for Respect and Care for the Community of Life. Greenland, Central African Republic, Mauritania, Mongolia, and Niger have the highest percentile scores for Ecological Integrity. Hong Kong SAR, China, Japan, Macao SAR, China, Switzerland, and Spain have the highest percentile ranks for Social and Economic Justice. Australia, Ireland, Japan, Italy, and Spain have the highest percentile ranks for Democracy, Non-Violence and Peace.

The index scores suggest the need, and provide a compass, for countries to review their policies to increase their contributions towards keeping our shared planet habitable and thriving.



Photo by [Brett Jordan](#) on [Unsplash](#)

Index of Contribution to Respect and Care for the Community of Life

What are we Measuring?

This index measures the contribution of a country with regards to respect and care for the community of life as its humility. Humility is expressed as the space it leaves for the community of life to thrive. The wilful actions reduce humility by causing virtual encroachment. For instance, all economic activity is a wilful act of each country. Will is exercised by expending energy.

Since our respect and care to the community of life are expressed through the limits we exercise on our willpower and on our arrogance^{xii}, we measure the humility and the will of each country to compute an index of its contributions to respect and care for the community of life. We use the forest area in a country as a surrogate measure of its humility. We use the total energy use in a country as a surrogate measure of its will. A lower energy use would signify a restraint on its will.

The larger the net result of the humility despite exercising its will, the more the country contributes to respect and care for the community of life.

The contributions of continents to a pillar are the index-score averages for the pillar indices of the countries in the continent. The planetary index of respect and care for the community of life is the index-score averages of respect and care for the community of life indices of the continents.

The 2021 Scores and Rankings

Since the last available data for indicators used to score Respect and Care for the Community of Life were for 2015, we compute the 2021 Index for data of 2015.

TABLE 1 SUMMARY OF SCORES FOR THE CONTRIBUTION OF COUNTRIES TO RESPECT AND CARE FOR THE COMMUNITY OF LIFE FROM 1990

Year	1990	1995	2000	2005	2010	2015	2018
No of countries with data	165	179	182	187	186	186	-
mean	52.52	51.49	50.77	49.31	48.07	47.82	-
standard deviation	16.26	12.04	10.41	7.04	3.72	3.23	-
minimum value	46.61	46.61	46.61	46.61	46.61	46.61	-
25% values below	46.74	46.74	46.74	46.69	46.68	46.67	-
50% values below	47.26	47.16	47.09	46.95	46.87	46.84	-
75% values below	50.72	49.56	49.74	48.50	47.75	47.49	-
maximum value	203.47	128.75	115.29	98.52	83.30	79.14	-

In an alarming decline in contribution to Respect and Care for the Community of Life, 75 percent of the countries score less than 47.49 in their contributions to Respect and Care for the Community of Life. The maximum contribution to Respect and Care for the Community of Life has dropped from 203.47 in 1990 to 79.14 in 2015. We also observe that the difference in scores between countries has declined from a standard deviation of 16.26 in 1990 to 3.23 in 2015.

Central African Republic, Suriname, Guyana, South Sudan and the Congo, Rep. have the highest percentile ranking for Respect and Care for the Community of Life. The scores are however still less than 70, for all except one country, and therefore a cause for concern.

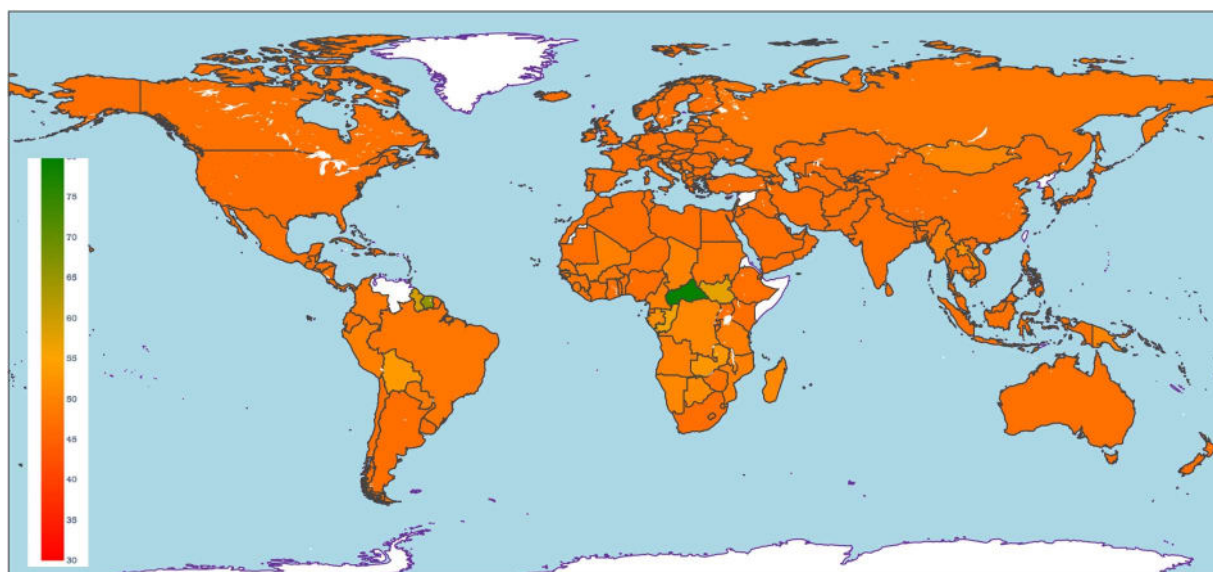


FIGURE 1 CONTRIBUTIONS OF COUNTRIES TO RESPECT AND CARE FOR THE COMMUNITY OF LIFE 2015

■ = good, ■ = moderate, ■ = serious, ■ = alarming, ■ = extremely alarming.

Source: Authors.

Note: See Appendix C in the full ECI report for data sources. The regional ECI scores are calculated using the formula described in Appendix B. Countries lacking data, are left blank

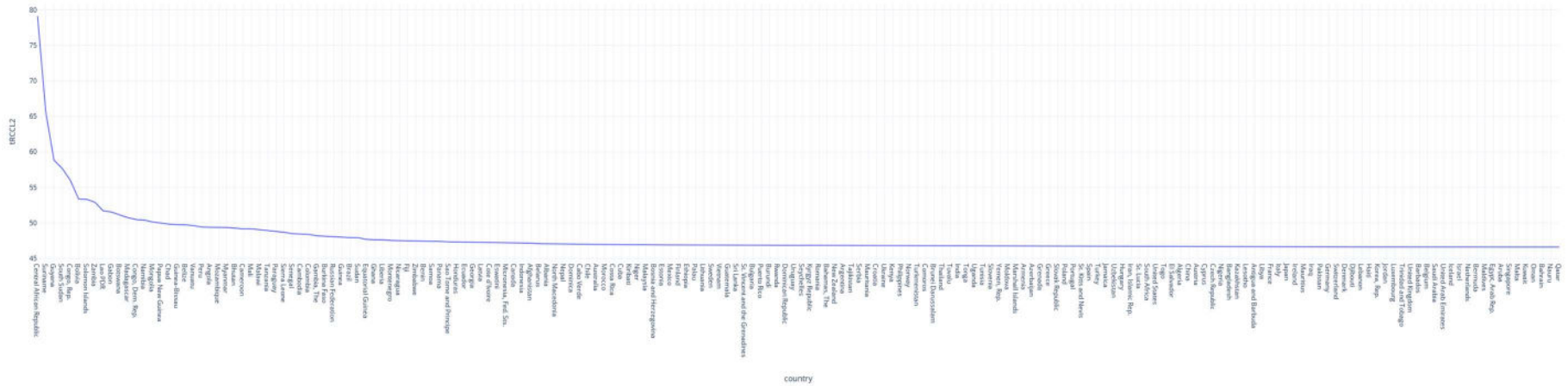


FIGURE 2 INDEX SCORES FOR CONTRIBUTIONS OF COUNTRIES TO RESPECT AND CARE FOR THE COMMUNITY OF LIFE 2015
 >80= good, >50<80= moderate, >40<50= serious, >30<40= alarming, <30= extremely alarming.
 Source: Authors.
 Note: See Appendix C in the full ECI report for data sources. The regional ECI scores are calculated using the formula described in Appendix B. Countries lacking data, are left blank

TABLE 2 RANK AND SCORES FOR THE CONTRIBUTION OF COUNTRIES TO RESPECT AND CARE FOR THE COMMUNITY OF LIFE 2015

— = Data are not available or not presented.

The list is sorted by the Percentile Rank of each country for the Pillar. Index Scores for the Pillar are provided to indicate the contribution of countries to the Pillar. The No provides the serial position the country occupies in its planetary rankings contributions (or its aggregate performance) for all the Pillars. For the 2021 ECI report, data were assessed for 216 countries. Out of these, there were sufficient data to calculate 2021 Pillar I scores for and rank 186 countries. For 30 countries, individual scores could not be calculated and ranks could not be determined owing to lack of data.

Aggregate Position	Country	Pillar I		Aggregate Position	Country	Pillar I	
		Rank	Index			Rank	Index
2	Central African Republic	97.74	79.14	49	Montenegro	65.16	47.54
1	Suriname	95.75	65.63	80	Nicaragua	64.80	47.52
14	Guyana	93.15	58.85	126	Fiji	64.67	47.51
118	South Sudan	92.47	57.68	157	Zimbabwe	64.58	47.51
85	Congo, Rep.	91.68	55.99	152	Benin	63.52	47.45
40	Bolivia	88.97	53.37	169	Samoa	63.45	47.45
29	Solomon Islands	88.88	53.33	33	Panama	62.53	47.40
122	Zambia	88.20	52.90	119	Sao Tome and Principe	61.53	47.34
99	Lao PDR	85.77	51.69	72	Honduras	61.32	47.33
115	Gabon	85.39	51.54	54	Ecuador	61.02	47.31
94	Botswana	84.34	51.13	90	Georgia	59.91	47.27
110	Madagascar	83.55	50.75	74	Latvia	59.40	47.24
139	Congo, Dem. Rep.	82.61	50.49	163	Cote d'Ivoire	59.36	47.24
130	Namibia	82.25	50.41	164	Eswatini	59.29	47.24
77	Mongolia	81.22	50.14	170	Micronesia, Fed. Sts.	59.04	47.23
129	Papua New Guinea	80.52	49.97	11	Canada	58.82	47.22
162	Chad	80.05	49.84	108	Indonesia	58.63	47.22
156	Guinea-Bissau	79.71	49.77	140	Afghanistan	57.35	47.17
43	Belize	79.56	49.74	86	Belarus	54.47	47.09
168	Vanuatu	79.16	49.63	39	Albania	54.24	47.08
31	Peru	78.28	49.43	66	North Macedonia	54.21	47.08
149	Angola	78.02	49.39	120	Nepal	53.85	47.07
145	Mozambique	77.96	49.38	171	Dominica	53.28	47.06
124	Myanmar	77.92	49.37	98	Cabo Verde	51.42	47.02
89	Bhutan	77.47	49.27	28	Chile	50.10	47.00
158	Cameroon	76.91	49.18	3	Australia	49.14	46.98
153	Mali	76.89	49.18	62	Morocco	48.35	46.97
137	Malawi	76.45	49.05	30	Costa Rica	48.05	46.96
134	Tanzania	76.08	48.96	34	Cuba	48.03	46.96
57	Paraguay	75.12	48.77	172	Kiribati	47.69	46.96
165	Sierra Leone	74.87	48.69	147	Niger	47.49	46.95
125	Senegal	74.14	48.50	63	Malaysia	45.98	46.93
114	Cambodia	73.82	48.44	53	Bosnia and Herzegovina	45.62	46.92
38	Colombia	73.54	48.39	41	Estonia	45.44	46.92
148	Gambia, The	72.37	48.20	73	Mexico	45.12	46.91
151	Burkina Faso	71.84	48.12	13	Finland	44.95	46.91
96	Russian Federation	71.11	48.04	136	Ethiopia	43.95	46.90
155	Guinea	70.54	47.98	173	Palau	43.74	46.89
48	Brazil	70.28	47.95	81	Lithuania	43.16	46.89
135	Sudan	70.07	47.93	10	Sweden	42.29	46.87
161	Equatorial Guinea	67.63	47.69	71	Vietnam	41.92	46.87
142	Ghana	66.89	47.65	92	Guatemala	41.50	46.87
143	Liberia	66.70	47.63	59	Sri Lanka	40.96	46.86

Aggregate Position	Country	Pillar I	
		Rank	Index
103	St. Vincent and the Grenadines	40.64	46.86
78	Bulgaria	40.00	46.85
174	Puerto Rico	39.90	46.85
159	Burundi	39.49	46.84
128	Rwanda	39.45	46.84
91	Dominican Republic	39.21	46.84
42	Uruguay	39.00	46.84
83	Seychelles	38.94	46.84
112	Kyrgyz Republic	38.81	46.83
75	Romania	38.64	46.83
93	Bahamas, The	38.57	46.83
19	New Zealand	38.02	46.82
52	Argentina	37.91	46.82
117	Tajikistan	37.83	46.82
70	Serbia	37.81	46.82
132	Mauritania	37.12	46.82
50	Croatia	36.23	46.80
109	Ukraine	35.27	46.79
138	Kenya	34.84	46.79
106	Philippines	34.29	46.78
12	Norway	34.18	46.78
127	Turkmenistan	34.14	46.78
144	Comoros	33.90	46.77
175	Brunei Darussalam	33.54	46.77
44	Thailand	32.77	46.76
176	Tuvalu	32.07	46.76
123	India	31.85	46.75
116	Tonga	31.09	46.75
154	Uganda	30.79	46.75
64	Tunisia	29.91	46.74
26	Slovenia	29.64	46.74
133	Yemen, Rep.	29.49	46.74
105	Moldova	29.40	46.74
177	Marshall Islands	28.82	46.73
82	Armenia	28.38	46.73
102	Azerbaijan	28.06	46.73
100	Grenada	28.01	46.73
25	Greece	27.61	46.72
56	Slovak Republic	26.26	46.71
47	Poland	26.03	46.71
20	Portugal	26.01	46.71
178	St. Kitts and Nevis	25.73	46.70
6	Spain	25.69	46.70
58	Turkey	25.54	46.70
87	Jamaica	25.37	46.70
113	Uzbekistan	23.55	46.69
68	Hungary	23.15	46.69
67	Iran, Islamic Rep.	22.15	46.68
69	St. Lucia	21.89	46.68
146	South Africa	21.31	46.68
32	United States	20.78	46.67
160	Togo	20.70	46.67
101	El Salvador	20.52	46.67

Aggregate Position	Country	Pillar I	
		Rank	Index
61	Algeria	19.88	46.67
65	China	19.80	46.67
179	Austria	19.76	46.67
180	Cyprus	19.24	46.66
37	Czech Republic	18.97	46.66
166	Nigeria	18.82	46.66
107	Bangladesh	18.41	46.66
104	Kazakhstan	18.20	46.66
167	Lesotho	17.92	46.65
60	Antigua and Barbuda	16.73	46.65
95	Libya	16.64	46.65
8	France	16.19	46.64
5	Italy	15.90	46.64
4	Japan	15.40	46.64
7	Ireland	14.27	46.64
84	Mauritius	14.04	46.64
121	Iraq	13.80	46.64
131	Pakistan	13.72	46.64
17	Germany	11.63	46.63
9	Switzerland	10.69	46.63
18	Denmark	10.01	46.63
141	Djibouti	9.45	46.62
36	Lebanon	9.28	46.62
150	Haiti	9.22	46.62
22	Korea, Rep.	9.17	46.62
88	Jordan	8.68	46.62
181	Luxembourg	8.53	46.62
97	Trinidad and Tobago	8.41	46.62
15	United Kingdom	7.23	46.62
35	Barbados	7.19	46.62
24	Belgium	6.70	46.62
79	Saudi Arabia	5.87	46.62
45	United Arab Emirates	4.76	46.61
182	Iceland	4.57	46.61
23	Israel	4.18	46.61
21	Netherlands	3.73	46.61
183	Bermuda	3.03	46.61
46	Maldives	2.84	46.61
111	Egypt, Arab Rep.	2.82	46.61
184	Aruba	2.47	46.61
16	Singapore	1.47	46.61
185	Malta	1.30	46.61
76	Kuwait	0.96	46.61
51	Oman	0.60	46.61
55	Bahrain	0.17	46.61
27	Qatar	0.02	46.61
186	Nauru	0.02	46.61
187	Greenland	-	-
188	Timor-Leste	-	-
189	Kosovo	-	-
190	Faroe Islands	-	-
191	Northern Mariana Islands	-	-
192	Turks and Caicos Islands	-	-

Aggregate Position	Country	Pillar I	
		Rank	Index
193	West Bank and Gaza	-	-
194	American Samoa	-	-
195	Andorra	-	-
196	Curacao	-	-
197	Guam	-	-
198	Virgin Islands (U.S.)	-	-
199	Isle of Man	-	-
200	Cayman Islands	-	-
201	San Marino	-	-
202	Liechtenstein	-	-
203	Sint Maarten (Dutch part)	-	-
204	Macao SAR, China	-	-
205	Hong Kong SAR, China	-	-

Aggregate Position	Country	Pillar I	
		Rank	Index
206	Monaco	-	-
207	St. Martin (French part)	-	-
208	New Caledonia	-	-
209	French Polynesia	-	-
210	Venezuela, RB	-	-
211	Korea, Dem. People's Rep.	-	-
212	Syrian Arab Republic	-	-
213	Eritrea	-	-
214	Somalia	-	-
215	British Virgin Islands	-	-
216	Gibraltar	-	-



Photo by [Antoine Beauvillain](#) on [Unsplash](#)

Index of Contribution to Ecological Integrity

What are we Measuring?

This index measures the contribution of countries as its restraint on the human activities that alter conditions essential for the evolution, ecosystems regeneration and resilience of the community of life, in the available land. We use the GDP of a country as a measure of its activity. We normalize the contributions of countries for the area they occupy. Thus, countries with large areas, but lower GDP contribute more to Ecological Integrity than countries with small areas but high GDP.

The contributions of continents to a pillar are the index-score averages for the pillar indices of the countries in the continent. The planetary index of ecological integrity is the index-score averages ecological integrity indices of the continents.

The 2021 Scores and Rankings

Since the last available data for indicators used to score Ecological Integrity were for 2018, we compute upto 2018. However, the 2021 Index Scores and Percentile Ranks are for data of 2015 as the common year where data for all pillars was available.

The contributions of countries to Ecological Integrity too have dropped alarmingly with 75 percent of the countries having a score less than 48.31. The maximum contribution too has

declined to 57.14 in 2018 in comparison to 74.99 in 1990. Alarminglly the difference between the countries too has shrunk from a standard deviation of 2.54 in 1990 to 0.71 in 2018.

TABLE 3 SUMMARY OF SCORES FOR THE CONTRIBUTION OF COUNTRIES TO ECOLOGICAL INTEGRITY FROM 1990

Year	1990	1995	2000	2005	2010	2015	2018
No of countries with data	179	190	198	204	206	206	203
mean	49.11	49.03	48.98	48.63	48.43	48.40	48.37
standard deviation	2.54	2.33	2.55	1.35	0.87	0.86	0.71
minimum value	48.19	48.19	48.19	48.19	48.19	48.19	48.19
25% values below	48.21	48.21	48.21	48.20	48.20	48.20	48.20
50% values below	48.36	48.32	48.31	48.25	48.23	48.22	48.22
75% values below	48.83	48.75	48.72	48.51	48.38	48.32	48.31
maximum value	74.99	70.78	73.76	62.95	59.10	59.12	57.14

In 2015, Greenland, Central African Republic, Mauritania, Mongolia, and Niger have the highest percentile scores for Ecological Integrity. The scores are however less than 60 and, therefore, a cause for concern.

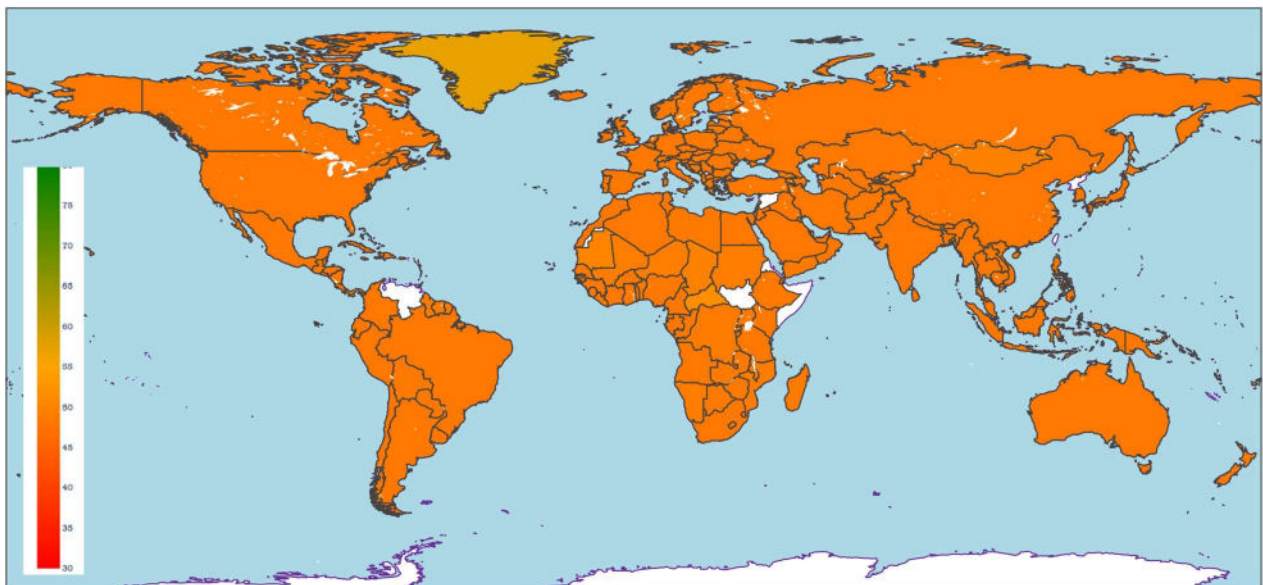


FIGURE 3 CONTRIBUTIONS OF COUNTRIES TO ECOLOGICAL INTEGRITY 2018

■ = good, ■ = moderate, ■ = serious, ■ = alarming, ■ = extremely alarming.

Source: Authors.

Note: See Appendix C in the full ECI report for data sources. The regional ECI scores are calculated using the formula described in Appendix B. Countries lacking data, are left blank

TABLE 4 RANK AND SCORES FOR THE CONTRIBUTION OF COUNTRIES TO ECOLOGICAL INTEGRITY 2015

— = Data are not available or not presented.

The list is sorted by the Percentile Rank of each country for the Pillar. Index Scores for the Pillar are provided to indicate the contribution of the country to the Pillar. The No provides the serial position the country occupies in its planetary rankings contributions (or its aggregate performance) for all the Pillars. For the 2021 ECI report, data were assessed for 216 countries. Out of these, there were sufficient data to calculate 2021 Pillar II scores for and rank 206 countries. For 10 countries, individual scores could not be calculated and ranks could not be determined owing to lack of data.

Aggregate Position	Country	Pillar II	
		Rank	Index
187	Greenland	96.93	59.12
2	Central African Republic	92.74	52.82
132	Mauritania	86.82	50.30
77	Mongolia	84.05	49.87
147	Niger	83.87	49.84
162	Chad	82.56	49.67
153	Mali	80.07	49.38
130	Namibia	77.37	49.12
95	Libya	75.64	48.99
139	Congo, Dem. Rep.	75.37	48.97
118	South Sudan	73.75	48.87
110	Madagascar	73.27	48.85
145	Mozambique	72.92	48.83
14	Guyana	72.90	48.83
94	Botswana	70.36	48.72
122	Zambia	68.21	48.64
143	Liberia	68.04	48.63
156	Guinea-Bissau	67.81	48.63
1	Suriname	67.70	48.62
40	Bolivia	67.30	48.61
140	Afghanistan	66.98	48.60
112	Kyrgyz Republic	65.68	48.57
85	Congo, Rep.	65.09	48.55
155	Guinea	64.83	48.54
135	Sudan	63.24	48.51
89	Bhutan	62.28	48.49
151	Burkina Faso	62.10	48.48
29	Solomon Islands	61.21	48.47
129	Papua New Guinea	61.00	48.46
134	Tanzania	60.01	48.44
157	Zimbabwe	59.70	48.44
115	Gabon	58.82	48.43
137	Malawi	58.79	48.43
117	Tajikistan	58.58	48.42
136	Ethiopia	58.00	48.41
165	Sierra Leone	57.52	48.41
99	Lao PDR	57.04	48.40
168	Vanuatu	56.68	48.39
158	Cameroon	56.07	48.39
104	Kazakhstan	55.33	48.38
61	Algeria	54.90	48.37
127	Turkmenistan	54.03	48.36
160	Togo	53.96	48.36
43	Belize	53.64	48.36

Aggregate Position	Country	Pillar II	
		Rank	Index
167	Lesotho	52.88	48.35
96	Russian Federation	52.52	48.35
133	Yemen, Rep.	52.37	48.35
57	Paraguay	50.65	48.33
125	Senegal	50.32	48.33
149	Angola	49.82	48.33
80	Nicaragua	49.02	48.32
114	Cambodia	48.74	48.32
124	Myanmar	48.68	48.32
152	Benin	48.55	48.32
141	Djibouti	48.00	48.31
188	Timor-Leste	47.92	48.31
138	Kenya	47.51	48.31
159	Burundi	47.18	48.30
148	Gambia, The	46.18	48.30
154	Uganda	44.83	48.28
163	Cote d'Ivoire	44.39	48.28
31	Peru	44.06	48.28
109	Ukraine	43.68	48.28
120	Nepal	43.58	48.27
11	Canada	43.28	48.27
182	Iceland	42.31	48.27
3	Australia	41.85	48.26
113	Uzbekistan	41.36	48.26
72	Honduras	41.09	48.26
142	Ghana	40.10	48.25
172	Kiribati	39.69	48.25
48	Brazil	39.63	48.25
90	Georgia	39.54	48.25
52	Argentina	39.53	48.25
62	Morocco	38.78	48.25
105	Moldova	38.66	48.25
67	Iran, Islamic Rep.	38.33	48.25
164	Eswatini	38.31	48.25
126	Fiji	37.07	48.24
38	Colombia	36.99	48.24
146	South Africa	36.89	48.24
64	Tunisia	36.68	48.24
169	Samoa	36.52	48.24
86	Belarus	36.31	48.24
49	Montenegro	35.52	48.24
42	Uruguay	34.87	48.23
119	Sao Tome and Principe	34.32	48.23
53	Bosnia and Herzegovina	34.22	48.23

Aggregate Position	Country	Pillar II	
		Rank	Index
51	Oman	34.05	48.23
28	Chile	34.04	48.23
128	Rwanda	33.91	48.23
111	Egypt, Arab Rep.	33.77	48.23
79	Saudi Arabia	33.56	48.23
131	Pakistan	33.37	48.23
54	Ecuador	32.92	48.23
82	Armenia	32.73	48.23
98	Cabo Verde	31.32	48.22
39	Albania	31.31	48.22
66	North Macedonia	31.27	48.22
121	Iraq	31.01	48.22
88	Jordan	30.58	48.22
74	Latvia	30.45	48.22
144	Comoros	29.79	48.22
108	Indonesia	29.73	48.22
70	Serbia	29.70	48.22
170	Micronesia, Fed. Sts.	29.67	48.22
78	Bulgaria	29.48	48.22
161	Equatorial Guinea	29.16	48.22
41	Estonia	28.13	48.22
166	Nigeria	27.70	48.22
150	Haiti	27.44	48.22
92	Guatemala	26.70	48.21
116	Tonga	26.49	48.21
71	Vietnam	26.44	48.21
189	Kosovo	26.38	48.21
73	Mexico	26.31	48.21
173	Palau	25.82	48.21
102	Azerbaijan	25.81	48.21
81	Lithuania	25.44	48.21
123	India	25.35	48.21
19	New Zealand	24.98	48.21
33	Panama	24.63	48.21
13	Finland	24.58	48.21
171	Dominica	24.17	48.21
75	Romania	23.69	48.21
44	Thailand	23.29	48.21
34	Cuba	23.23	48.21
93	Bahamas, The	22.42	48.21
50	Croatia	22.00	48.21
63	Malaysia	21.56	48.21
177	Marshall Islands	20.73	48.20
106	Philippines	20.68	48.20
30	Costa Rica	20.17	48.20
58	Turkey	19.76	48.20
101	El Salvador	19.73	48.20
10	Sweden	19.63	48.20
65	China	19.40	48.20
12	Norway	19.13	48.20
59	Sri Lanka	18.82	48.20
87	Jamaica	18.32	48.20
68	Hungary	18.03	48.20

Aggregate Position	Country	Pillar II	
		Rank	Index
107	Bangladesh	17.94	48.20
176	Tuvalu	17.90	48.20
91	Dominican Republic	17.33	48.20
25	Greece	17.24	48.20
47	Poland	16.97	48.20
190	Faroe Islands	15.63	48.20
56	Slovak Republic	15.58	48.20
32	United States	15.22	48.20
103	St. Vincent and the Grenadines	15.13	48.20
191	Northern Mariana Islands	15.09	48.20
26	Slovenia	14.41	48.20
180	Cyprus	14.33	48.20
20	Portugal	14.29	48.20
192	Turks and Caicos Islands	14.18	48.20
175	Brunei Darussalam	14.04	48.20
193	West Bank and Gaza	13.74	48.20
6	Spain	13.65	48.20
37	Czech Republic	13.59	48.20
100	Grenada	11.91	48.20
69	St. Lucia	11.78	48.20
60	Antigua and Barbuda	11.65	48.20
83	Seychelles	11.62	48.20
194	American Samoa	11.04	48.20
178	St. Kitts and Nevis	10.70	48.20
186	Nauru	9.95	48.19
7	Ireland	9.91	48.19
45	United Arab Emirates	9.76	48.19
8	France	9.64	48.19
179	Austria	9.54	48.19
36	Lebanon	9.27	48.19
97	Trinidad and Tobago	9.18	48.19
84	Mauritius	8.35	48.19
195	Andorra	8.16	48.19
5	Italy	8.10	48.19
76	Kuwait	7.79	48.19
18	Denmark	7.28	48.19
196	Curacao	7.17	48.19
17	Germany	5.93	48.19
197	Guam	5.44	48.19
198	Virgin Islands (U.S.)	5.29	48.19
35	Barbados	5.06	48.19
174	Puerto Rico	4.89	48.19
4	Japan	4.75	48.19
15	United Kingdom	4.60	48.19
199	Isle of Man	4.42	48.19
46	Maldives	3.99	48.19
27	Qatar	3.90	48.19
23	Israel	3.82	48.19
22	Korea, Rep.	3.76	48.19
184	Aruba	3.72	48.19
24	Belgium	3.71	48.19
9	Switzerland	3.39	48.19
200	Cayman Islands	3.04	48.19

Aggregate Position	Country	Pillar II	
		Rank	Index
21	Netherlands	3.01	48.19
181	Luxembourg	2.64	48.19
201	San Marino	2.61	48.19
185	Malta	1.93	48.19
202	Liechtenstein	1.80	48.19
55	Bahrain	1.67	48.19
203	Sint Maarten (Dutch part)	1.47	48.19
183	Bermuda	1.15	48.19
204	Macao SAR, China	0.83	48.19
205	Hong Kong SAR, China	0.61	48.19
16	Singapore	0.48	48.19
206	Monaco	0.07	48.19

Aggregate Position	Country	Pillar II	
		Rank	Index
207	St. Martin (French part)	-	-
208	New Caledonia	-	-
209	French Polynesia	-	-
210	Venezuela, RB	-	-
211	Korea, Dem. People's Rep.	-	-
212	Syrian Arab Republic	-	-
213	Eritrea	-	-
214	Somalia	-	-
215	British Virgin Islands	-	-
216	Gibraltar	-	-



Photo by [Vladimir Soares](#) on [Unsplash](#)

Index of Contribution to Social and Economic Justice

What are we Measuring?

This index measures a country's contribution as the ability of humans to live longer reflecting a natural and social environment supportive of human dignity, bodily health, and spiritual well-being. Thus, countries with the ability of humans to live longer contribute more to social and economic justice.

The contributions of continents to a pillar are the index-score averages for the pillar indices of the countries in the continent. The planetary index of social and economic justice is the index-score averages of social and economic justice indices of the continents.

The 2021 Scores and Rankings

Since the last available data for indicators used to score Social and Economic Justice were for 2018, we compute upto 2018. However, the 2021 Index Scores and Percentile Ranks are for data of 2015 as the common year where data for all pillars was available.

75 percent of the world's countries have a score below 62.21 for their contributions to Social and Economic Justice. The maximum contributions have increased from 62.88 in 1990 to 68.20 in 2018 while the minimum values have also increased from 23.20 in 1990 to 40.14 in 2018. Here too, as in the other Pillar scores, the standard deviation has decreased from 8.56 to 6.59.

In 2015, Hong Kong SAR, China, Japan, Macao SAR, China, Switzerland, and Spain have the highest percentile ranks for Social and Economic Justice. These all score more than 60 and therefore are satisfactory.

TABLE 5 SUMMARY OF SCORES FOR THE CONTRIBUTION OF COUNTRIES TO SOCIAL AND ECONOMIC JUSTICE FROM 1990

Year	1990	1995	2000	2005	2010	2015	2018
No of countries with data	196	197	200	199	199	200	197
mean	50.74	51.42	52.50	53.80	55.47	56.90	57.49
standard deviation	8.56	8.77	8.81	8.57	7.72	6.86	6.59
minimum value	23.20	21.13	28.47	31.16	33.41	38.46	40.14
25% values below	44.71	45.11	46.35	48.48	50.60	52.55	53.07
50% values below	53.59	53.89	55.31	56.62	57.48	58.34	58.71
75% values below	56.78	57.85	58.96	59.80	60.85	61.70	62.21
maximum value	62.88	63.49	64.83	65.58	66.50	67.63	68.20

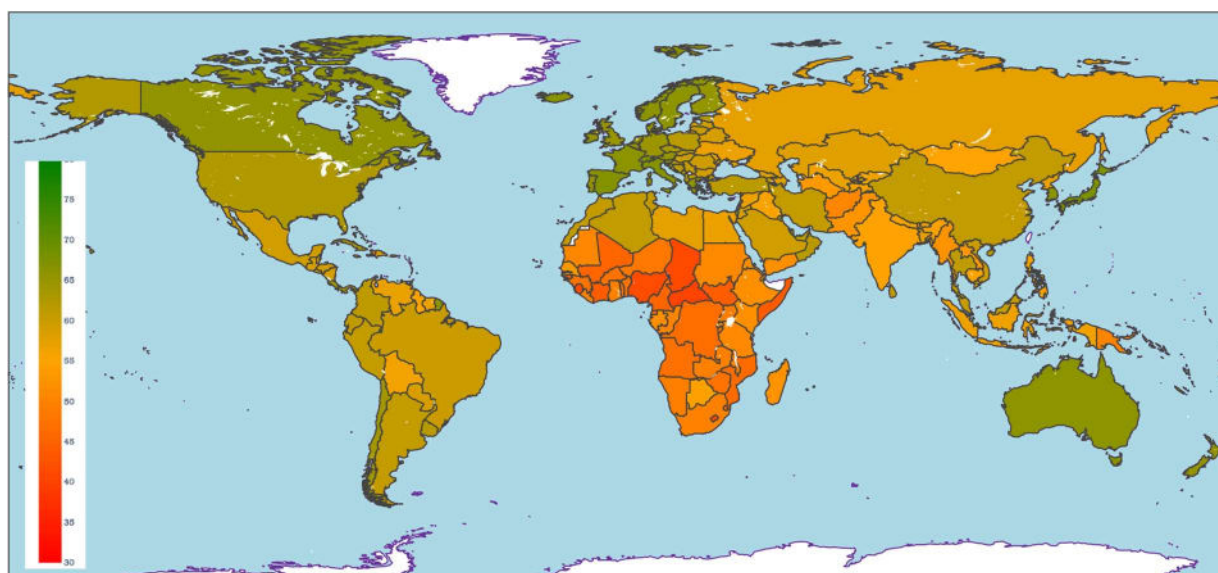


FIGURE 5 CONTRIBUTIONS OF COUNTRIES TO SOCIAL AND ECONOMIC JUSTICE 2018

■ = good, ■ = moderate, ■ = serious, ■ = alarming, ■ = extremely alarming.

Source: Authors.

Note: See Appendix C in the full ECI report for data sources. The regional ECI scores are calculated using the formula described in Appendix B. Countries lacking data, are left blank

TABLE 6 RANK AND SCORES FOR THE CONTRIBUTION OF COUNTRIES TO SOCIAL AND ECONOMIC JUSTICE 2015

— = Data are not available or not presented.

The list is sorted by the Percentile Rank of each country for the Pillar. Index Scores for the Pillar are provided to indicate the contribution of the country to the Pillar. The No provides the serial position the country occupies in its planetary rankings contributions (or its aggregate performance) for all the Pillars. For the 2021 ECI report, data were assessed for 216 countries. Out of these, there were sufficient data to calculate 2021 Pillar III scores for and rank 200 countries. For 16 countries, individual scores could not be calculated and ranks could not be determined owing to lack of data.

Aggregate Position	Country	Pillar III	
		Rank	Index
205	Hong Kong SAR, China	99.97	67.63
4	Japan	99.87	67.21
204	Macao SAR, China	99.85	67.13
9	Switzerland	99.58	66.43
6	Spain	99.54	66.37
16	Singapore	99.48	66.29
202	Liechtenstein	99.38	66.21
5	Italy	99.29	66.12
182	Iceland	99.24	66.05
3	Australia	99.17	65.99
8	France	99.11	65.92
12	Norway	99.09	65.91
181	Luxembourg	99.06	65.90
10	Sweden	98.95	65.82
23	Israel	98.83	65.69
22	Korea, Rep.	98.79	65.66
11	Canada	98.71	65.55
185	Malta	98.70	65.55
190	Faroe Islands	98.62	65.46
21	Netherlands	98.23	65.21
13	Finland	98.17	65.19
19	New Zealand	98.15	65.17
7	Ireland	98.14	65.16
179	Austria	97.78	64.93
20	Portugal	97.71	64.88
25	Greece	97.59	64.80
183	Bermuda	97.57	64.78
24	Belgium	97.53	64.76
15	United Kingdom	97.48	64.73
26	Slovenia	97.25	64.57
18	Denmark	97.19	64.51
17	Germany	97.12	64.45
180	Cyprus	96.76	64.20
27	Qatar	96.12	63.68
28	Chile	96.00	63.59
30	Costa Rica	95.85	63.51
207	St. Martin (French part)	95.76	63.43
174	Puerto Rico	95.58	63.33
198	Virgin Islands (U.S.)	95.25	63.17
197	Guam	95.21	63.15
35	Barbados	94.64	62.85
36	Lebanon	94.56	62.82
32	United States	94.40	62.75
37	Czech Republic	94.13	62.65

Aggregate Position	Country	Pillar III	
		Rank	Index
34	Cuba	94.10	62.64
196	Curacao	93.05	62.21
39	Albania	92.95	62.17
33	Panama	92.42	61.95
46	Maldives	92.25	61.88
41	Estonia	91.95	61.79
47	Poland	91.67	61.67
42	Uruguay	91.49	61.60
45	United Arab Emirates	91.31	61.52
50	Croatia	91.30	61.51
208	New Caledonia	91.22	61.49
203	Sint Maarten (Dutch part)	91.17	61.47
51	Oman	90.26	61.18
53	Bosnia and Herzegovina	90.17	61.16
209	French Polynesia	89.97	61.09
55	Bahrain	89.89	61.07
56	Slovak Republic	89.31	60.89
58	Turkey	89.24	60.87
38	Colombia	89.23	60.86
60	Antigua and Barbuda	89.09	60.82
49	Montenegro	89.00	60.80
59	Sri Lanka	88.61	60.68
54	Ecuador	88.14	60.53
44	Thailand	88.02	60.48
61	Algeria	88.01	60.48
52	Argentina	87.93	60.46
65	China	87.51	60.34
64	Tunisia	87.48	60.33
31	Peru	87.14	60.22
67	Iran, Islamic Rep.	87.14	60.22
62	Morocco	86.99	60.16
184	Aruba	86.98	60.16
69	St. Lucia	86.57	60.05
68	Hungary	86.46	60.02
63	Malaysia	86.18	59.93
66	North Macedonia	85.99	59.88
175	Brunei Darussalam	85.69	59.80
70	Serbia	85.59	59.78
76	Kuwait	84.98	59.64
71	Vietnam	84.92	59.62
48	Brazil	84.54	59.52
75	Romania	84.25	59.45
73	Mexico	84.21	59.44
79	Saudi Arabia	83.28	59.22

Aggregate Position	Country	Pillar III	
		Rank	Index
78	Bulgaria	83.09	59.19
72	Honduras	82.57	59.09
74	Latvia	82.51	59.07
82	Armenia	82.48	59.06
84	Mauritius	82.00	58.96
81	Lithuania	81.88	58.93
83	Seychelles	81.72	58.91
87	Jamaica	80.84	58.74
88	Jordan	80.76	58.72
43	Belize	80.59	58.68
57	Paraguay	79.08	58.36
80	Nicaragua	79.02	58.35
86	Belarus	78.90	58.33
193	West Bank and Gaza	78.14	58.17
92	Guatemala	77.40	58.00
91	Dominican Republic	77.37	57.99
93	Bahamas, The	76.78	57.86
90	Georgia	76.26	57.76
97	Trinidad and Tobago	76.06	57.73
169	Samoa	75.32	57.54
210	Venezuela, RB	74.74	57.42
100	Grenada	74.23	57.30
101	El Salvador	74.05	57.27
102	Azerbaijan	73.50	57.14
29	Solomon Islands	73.13	57.06
95	Libya	72.90	57.01
98	Cabo Verde	72.88	57.01
103	St. Vincent and the Grenadines	72.77	56.99
104	Kazakhstan	72.33	56.91
107	Bangladesh	70.16	56.48
211	Korea, Dem. People's Rep.	69.99	56.45
105	Moldova	69.98	56.45
189	Kosovo	69.41	56.34
111	Egypt, Arab Rep.	69.17	56.30
1	Suriname	68.97	56.25
187	Greenland	68.96	56.25
109	Ukraine	68.55	56.20
96	Russian Federation	68.48	56.19
113	Uzbekistan	67.11	55.97
108	Indonesia	66.21	55.83
112	Kyrgyz Republic	65.60	55.73
106	Philippines	65.55	55.72
116	Tonga	64.87	55.61
89	Bhutan	64.38	55.53
40	Bolivia	63.66	55.40
117	Tajikistan	62.73	55.28
121	Iraq	61.66	55.10
212	Syrian Arab Republic	61.53	55.08
168	Vanuatu	61.33	55.05
120	Nepal	59.60	54.74
119	Sao Tome and Principe	58.81	54.62
14	Guyana	58.28	54.52
77	Mongolia	57.62	54.38

Aggregate Position	Country	Pillar III	
		Rank	Index
114	Cambodia	55.44	53.97
123	India	55.33	53.94
188	Timor-Leste	54.78	53.81
127	Turkmenistan	52.16	53.15
128	Rwanda	51.28	52.93
94	Botswana	50.92	52.83
170	Micronesia, Fed. Sts.	50.86	52.81
172	Kiribati	50.84	52.79
126	Fiji	50.38	52.63
125	Senegal	49.28	52.32
131	Pakistan	48.84	52.17
99	Lao PDR	48.73	52.14
133	Yemen, Rep.	47.39	51.74
124	Myanmar	46.63	51.50
110	Madagascar	45.95	51.26
136	Ethiopia	44.58	50.83
115	Gabon	44.15	50.72
138	Kenya	43.93	50.62
213	Eritrea	43.52	50.50
135	Sudan	42.94	50.29
141	Djibouti	42.31	50.04
132	Mauritania	41.84	49.86
144	Comoros	40.70	49.46
129	Papua New Guinea	40.67	49.45
140	Afghanistan	40.45	49.37
134	Tanzania	39.77	49.14
85	Congo, Rep.	39.74	49.13
142	Ghana	38.94	48.85
146	South Africa	38.71	48.74
150	Haiti	38.33	48.60
143	Liberia	37.90	48.41
130	Namibia	37.61	48.28
137	Malawi	37.21	48.13
122	Zambia	36.83	47.94
154	Uganda	36.06	47.62
148	Gambia, The	35.05	47.22
147	Niger	34.42	46.98
152	Benin	34.36	46.96
159	Burundi	33.37	46.53
160	Togo	32.99	46.36
151	Burkina Faso	32.96	46.35
155	Guinea	32.31	46.07
157	Zimbabwe	32.22	46.02
149	Angola	31.92	45.90
139	Congo, Dem. Rep.	31.63	45.77
158	Cameroon	28.51	44.31
153	Mali	28.37	44.25
161	Equatorial Guinea	28.05	44.12
145	Mozambique	27.81	43.98
156	Guinea-Bissau	27.20	43.77
118	South Sudan	27.01	43.68
163	Cote d'Ivoire	25.78	42.99
214	Somalia	25.56	42.86

Aggregate Position	Country	Pillar III	
		Rank	Index
164	Eswatini	24.55	42.37
162	Chad	20.79	40.43
166	Nigeria	20.73	40.41
165	Sierra Leone	20.53	40.26
167	Lesotho	17.22	38.60
2	Central African Republic	16.96	38.46
171	Dominica	-	-
173	Palau	-	-
176	Tuvalu	-	-
177	Marshall Islands	-	-
178	St. Kitts and Nevis	-	-

Aggregate Position	Country	Pillar III	
		Rank	Index
186	Nauru	-	-
191	Northern Mariana Islands	-	-
192	Turks and Caicos Islands	-	-
194	American Samoa	-	-
195	Andorra	-	-
199	Isle of Man	-	-
200	Cayman Islands	-	-
201	San Marino	-	-
206	Monaco	-	-
215	British Virgin Islands	-	-
216	Gibraltar	-	-



Photo by [Arūnas Naujokas](#) on [Unsplash](#)

Index of Democracy, Non-Violence and Peace

What are we Measuring?

This index measures a country's contribution as the proportion of its population that does not turn to other countries to find security of peace and participation. Thus, more the proportion of population from a country that does not turn to other countries to find security of peace and participation the more its contribution to democracy, non-violence, and peace.

The contributions of continents to a pillar are the index-score averages for the pillar indices of the countries in the continent. The planetary index of democracy, nonviolence and peace is the index-score averages of democracy, non-violence, and peace indices of the continents.

The 2021 Scores and Rankings

Since the last available data for indicators used to score Democracy, Non-Violence and Peace were for 2018, we compute upto 2018. However, the 2021 Index Scores and Percentile Ranks are for data of 2015 as the common year where data for all pillars was available.

The contributions of countries to Democracy, Non-Violence and Peace of 75 percent of the countries is alarmingly low at 48.87. The maximum values have dropped to 61.13 in 2018 from 89.69 in 1990. The standard deviation has declined from 6.33 in 1990 to 1.58 in 2018.

In 2015, Australia, Ireland, Japan, Italy, and Spain have the highest percentile ranks for Democracy, Non-Violence and Peace. However, with scores less than 55, this is a cause for concern.

TABLE 7 SUMMARY OF SCORES FOR THE CONTRIBUTION OF COUNTRIES TO DEMOCRACY, NON-VIOLENCE AND PEACE FROM 1990

Year	1990	1995	2000	2005	2010	2015	2018
No of countries with data	91	162	172	176	182	183	183
mean	51.18	50.12	49.85	49.30	49.05	49.04	49.25
standard deviation	6.33	8.51	8.03	4.02	0.87	0.80	1.58
minimum value	48.70	48.70	48.70	48.70	48.70	48.70	48.70
25% values below	48.70	48.70	48.70	48.70	48.70	48.70	48.70
50% values below	48.73	48.76	48.75	48.72	48.72	48.72	48.72
75% values below	49.69	49.16	49.05	48.94	48.87	48.85	48.87
maximum value	89.69	152.23	153.39	101.43	54.13	53.38	61.13

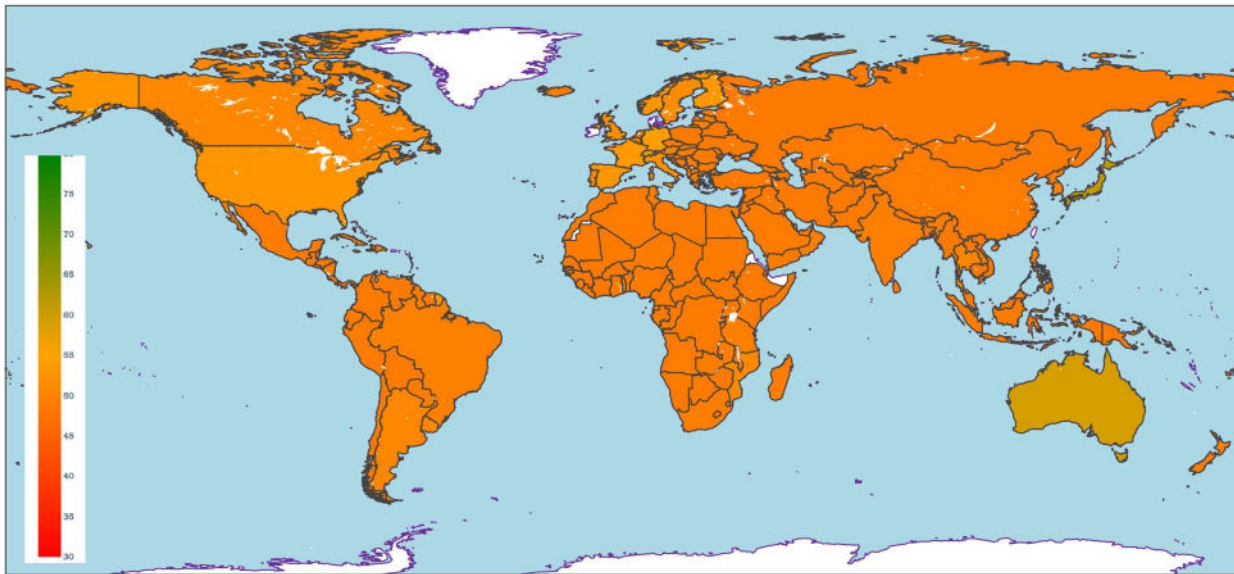


FIGURE 7 CONTRIBUTIONS OF COUNTRIES TO DEMOCRACY, NON-VIOLENCE AND PEACE 2018

■ = good, ■ = moderate, ■ = serious, ■ = alarming, ■ = extremely alarming.

Source: Authors.

Note: See Appendix C in the full ECI report for data sources. The regional ECI scores are calculated using the formula described in Appendix B. Countries lacking data, are left blank

TABLE 8 RANK AND SCORES FOR THE CONTRIBUTION OF COUNTRIES TO DEMOCRACY, NON-VIOLENCE AND PEACE 2015

— = Data are not available or not presented.

The list is sorted by the Percentile Rank of each country for the Pillar. Index Scores for the Pillar are provided to indicate the contribution of the country to the Pillar. The No provides the serial position the country occupies in its planetary rankings contributions (or its aggregate performance) for all the Pillars. For the 2021 ECI report, data were assessed for 216 countries. Out of these, there were sufficient data to calculate 2021 Pillar IV scores for and rank 183 countries. For 33 countries, individual scores could not be calculated and ranks could not be determined owing to lack of data.

Aggregate Position	Country	Pillar IV		Aggregate Position	Country	Pillar IV	
		Rank	Index			Rank	Index
3	Australia	96.69	53.38	79	Saudi Arabia	72.72	48.89
7	Ireland	95.88	52.58	42	Uruguay	71.53	48.87
4	Japan	95.68	52.45	137	Malawi	71.23	48.86
5	Italy	95.47	52.33	28	Chile	69.69	48.83
6	Spain	94.69	51.89	1	Suriname	69.06	48.82
8	France	94.41	51.75	47	Poland	69.03	48.82
13	Finland	92.49	50.96	91	Dominican Republic	68.30	48.81
10	Sweden	92.44	50.95	152	Benin	68.08	48.81
17	Germany	92.26	50.90	129	Papua New Guinea	67.26	48.80
12	Norway	92.01	50.84	211	Korea, Dem. People's Rep.	66.76	48.79
9	Switzerland	91.96	50.83	81	Lithuania	65.07	48.78
18	Denmark	91.93	50.83	62	Morocco	64.77	48.78
15	United Kingdom	91.79	50.80	98	Cabo Verde	64.56	48.78
145	Mozambique	91.48	50.73	40	Bolivia	64.31	48.78
11	Canada	91.43	50.72	108	Indonesia	63.91	48.77
20	Portugal	89.71	50.23	56	Slovak Republic	62.38	48.77
44	Thailand	88.78	50.05	54	Ecuador	62.03	48.76
19	New Zealand	87.95	49.88	195	Andorra	61.58	48.76
21	Netherlands	87.38	49.79	147	Niger	60.77	48.76
52	Argentina	86.48	49.66	30	Costa Rica	59.63	48.75
48	Brazil	86.38	49.64	107	Bangladesh	59.50	48.75
205	Hong Kong SAR, China	86.12	49.61	84	Mauritius	59.20	48.75
106	Philippines	84.25	49.42	127	Turkmenistan	59.15	48.75
24	Belgium	84.13	49.40	46	Maldives	58.22	48.75
22	Korea, Rep.	83.11	49.31	177	Marshall Islands	57.97	48.75
123	India	82.21	49.25	61	Algeria	57.93	48.75
167	Lesotho	82.02	49.23	75	Romania	57.91	48.75
146	South Africa	81.77	49.21	115	Gabon	57.69	48.74
27	Qatar	81.59	49.20	73	Mexico	57.25	48.74
204	Macao SAR, China	81.45	49.20	117	Tajikistan	57.18	48.74
51	Oman	81.27	49.19	23	Israel	57.06	48.74
16	Singapore	80.61	49.16	74	Latvia	57.03	48.74
45	United Arab Emirates	80.00	49.12	200	Cayman Islands	56.59	48.74
26	Slovenia	79.68	49.10	29	Solomon Islands	54.53	48.73
25	Greece	79.62	49.10	31	Peru	54.52	48.73
110	Madagascar	78.18	49.05	151	Burkina Faso	54.47	48.73
57	Paraguay	77.25	49.01	119	Sao Tome and Principe	54.30	48.73
63	Malaysia	76.49	48.99	37	Czech Republic	54.14	48.73
32	United States	76.08	48.97	161	Equatorial Guinea	54.12	48.73
33	Panama	75.61	48.96	104	Kazakhstan	53.38	48.73
134	Tanzania	75.48	48.96	206	Monaco	53.16	48.73
188	Timor-Leste	75.36	48.96	43	Belize	53.11	48.73
122	Zambia	72.98	48.89	113	Uzbekistan	52.98	48.73

Aggregate Position	Country	Pillar IV	
		Rank	Index
64	Tunisia	52.53	48.73
94	Botswana	52.07	48.73
68	Hungary	51.89	48.73
65	China	51.16	48.73
138	Kenya	50.48	48.72
154	Uganda	50.46	48.72
78	Bulgaria	49.80	48.72
164	Eswatini	48.53	48.72
111	Egypt, Arab Rep.	48.49	48.72
88	Jordan	48.28	48.72
83	Seychelles	47.93	48.72
116	Tonga	47.32	48.72
196	Curacao	47.14	48.72
80	Nicaragua	46.43	48.72
41	Estonia	46.29	48.72
210	Venezuela, RB	45.93	48.72
97	Trinidad and Tobago	44.84	48.71
76	Kuwait	44.29	48.71
55	Bahrain	43.38	48.71
35	Barbados	42.49	48.71
120	Nepal	42.39	48.71
192	Turks and Caicos Islands	40.72	48.71
112	Kyrgyz Republic	40.16	48.71
149	Angola	40.02	48.71
86	Belarus	39.79	48.71
158	Cameroon	39.30	48.71
96	Russian Federation	39.06	48.71
178	St. Kitts and Nevis	38.65	48.71
171	Dominica	38.57	48.71
130	Namibia	37.26	48.71
93	Bahamas, The	36.78	48.71
60	Antigua and Barbuda	36.40	48.71
133	Yemen, Rep.	36.38	48.71
34	Cuba	36.33	48.71
87	Jamaica	35.62	48.70
92	Guatemala	35.42	48.70
14	Guyana	35.34	48.70
36	Lebanon	35.24	48.70
165	Sierra Leone	35.09	48.70
144	Comoros	34.58	48.70
77	Mongolia	33.87	48.70
72	Honduras	33.27	48.70
58	Turkey	33.16	48.70
105	Moldova	32.05	48.70
142	Ghana	31.83	48.70
114	Cambodia	31.82	48.70
156	Guinea-Bissau	31.30	48.70
66	North Macedonia	31.17	48.70
136	Ethiopia	31.15	48.70
166	Nigeria	30.29	48.70
95	Libya	30.06	48.70
102	Azerbaijan	29.40	48.70
126	Fiji	29.32	48.70

Aggregate Position	Country	Pillar IV	
		Rank	Index
49	Montenegro	29.15	48.70
162	Chad	28.92	48.70
67	Iran, Islamic Rep.	28.72	48.70
99	Lao PDR	28.54	48.70
141	Djibouti	27.85	48.70
160	Togo	27.58	48.70
125	Senegal	25.99	48.70
155	Guinea	25.84	48.70
131	Pakistan	25.76	48.70
157	Zimbabwe	25.60	48.70
90	Georgia	24.54	48.70
143	Liberia	22.20	48.70
101	El Salvador	22.04	48.70
100	Grenada	21.74	48.70
85	Congo, Rep.	20.32	48.70
163	Cote d'Ivoire	20.22	48.70
150	Haiti	19.84	48.70
71	Vietnam	19.62	48.70
39	Albania	19.14	48.70
82	Armenia	18.70	48.70
148	Gambia, The	18.35	48.70
70	Serbia	16.33	48.70
53	Bosnia and Herzegovina	16.31	48.70
69	St. Lucia	15.97	48.70
59	Sri Lanka	15.72	48.70
139	Congo, Dem. Rep.	14.18	48.70
109	Ukraine	14.11	48.70
38	Colombia	14.10	48.70
121	Iraq	13.60	48.70
50	Croatia	13.14	48.70
132	Mauritania	12.62	48.70
124	Myanmar	12.59	48.70
153	Mali	12.28	48.70
135	Sudan	9.93	48.70
103	St. Vincent and the Grenadines	9.78	48.70
193	West Bank and Gaza	8.47	48.70
89	Bhutan	8.16	48.70
128	Rwanda	8.01	48.70
159	Burundi	7.48	48.70
118	South Sudan	3.09	48.70
140	Afghanistan	2.90	48.70
214	Somalia	2.70	48.70
2	Central African Republic	1.92	48.70
212	Syrian Arab Republic	0.48	48.70
168	Vanuatu	-	-
169	Samoa	-	-
170	Micronesia, Fed. Sts.	-	-
172	Kiribati	-	-
173	Palau	-	-
174	Puerto Rico	-	-
175	Brunei Darussalam	-	-
176	Tuvalu	-	-
179	Austria	-	-

Aggregate Position	Country	Pillar IV	
		Rank	Index
180	Cyprus	-	-
181	Luxembourg	-	-
182	Iceland	-	-
183	Bermuda	-	-
184	Aruba	-	-
185	Malta	-	-
186	Nauru	-	-
187	Greenland	-	-
189	Kosovo	-	-
190	Faroe Islands	-	-
191	Northern Mariana Islands	-	-
194	American Samoa	-	-

Aggregate Position	Country	Pillar IV	
		Rank	Index
197	Guam	-	-
198	Virgin Islands (U.S.)	-	-
199	Isle of Man	-	-
201	San Marino	-	-
202	Liechtenstein	-	-
203	Sint Maarten (Dutch part)	-	-
207	St. Martin (French part)	-	-
208	New Caledonia	-	-
209	French Polynesia	-	-
213	Eritrea	-	-
215	British Virgin Islands	-	-
216	Gibraltar	-	-

Recommendations

The low scores of countries in their contributions to planetary well-being is a cause for concern to every country.

In order to reduce the indifference in their actions to keeping our shared planet habitable and thriving, countries need to ensure that their actions are driven with attention to a sense of global interdependence and shared responsibility for the well-being of the greater community of life.

In particular exercising humility by keeping larger share of its space for the community of life as well as exercising restraint on its will by decreasing its energy use will increase the contributions of a country to Respect and Care for the Community of Life.

By exercising restraint on the activities that alter conditions essential for the evolution, ecosystems regeneration and resilience of the community of life, in the available land, will increase the contributions a country makes to Ecological Integrity. This would mean its exercising restraint on the activity it undertakes per hectare of its space.

By ensuring the social and economic measures that allow its people to live longer, a country contributes to Social and Economic Justice.

When the people of a country do not need to seek physical or virtual spaces outside their own countries to find security of peace and participation the more its contribution to Democracy, Non-Violence and Peace.

Future Directions of the Earth Charter Indices

We ask a number of questions to the audience of the Earth Charter Indices to determine the future directions:

1. How can we improve your ability to contribute to keeping our shared planet habitable and thriving?
2. How can the Earth Charter Indices feedback to your countries actions to ensure they increase in contribution towards the well-being of our shared planet?
3. How frequently should the Earth Charter Indices be released?
4. How would you benefit from understanding the historical trend of the indices?

Rankings of Contribution to Our Shared Planet

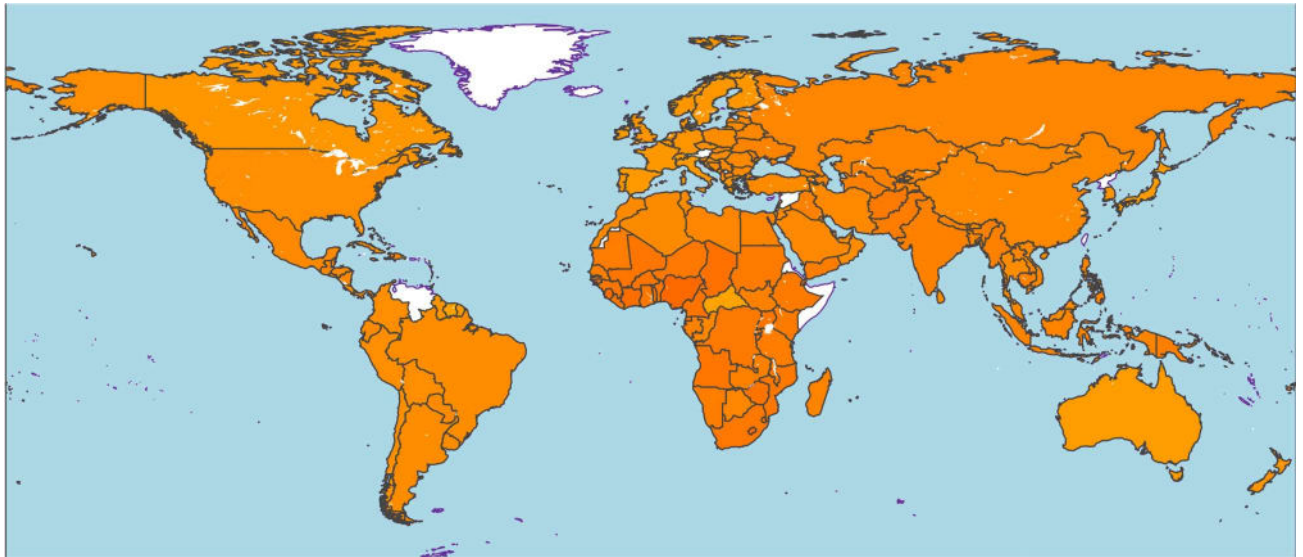


FIGURE 9 CONTRIBUTIONS OF COUNTRIES TO OUR SHARED PLANET 2015

■ = good, ■ = moderate, ■ = serious, ■ = alarming, ■ = extremely alarming.

Source: Authors.

Note: See Appendix C in the full ECI report for data sources. The regional ECI scores are calculated using the formula described in Appendix B. Countries lacking data, are left blank

TABLE 9 RANK AND SCORES FOR THE CONTRIBUTION OF COUNTRIES TO PLANETARY WELL-BEING 2015

— = Data are not available or not presented.

The list is sorted by the Percentile Rank of each country. Index Scores for each Pillar are provided to indicate the contribution of the country to each Pillar. The aggregate position provides the serial position the country occupies in its contribution to planetary well-being (aggregate) based on its contributions to each of the Earth Charter Pillars. For the 2021 ECI report, data were assessed for 216 countries. Out of these, there were sufficient data to calculate 2021 country scores and rank for 169 countries. For 47 countries, country scores could not be calculated and ranks could not be determined owing to lack of data.

Aggregate Position	country	Rank				Index					
		Country Rank	Pillar I	Pillar II	Pillar III	Pillar IV	Country Index	Pillar I	Pillar II	Pillar III	Pillar IV
1	Suriname	96.27	95.75	67.70	68.97	69.06	54.83	65.63	48.62	56.25	48.82
2	Central African Republic	96.17	97.74	92.74	16.96	1.92	54.78	79.14	52.82	38.46	48.70
3	Australia	94.99	49.14	41.85	99.17	96.69	53.65	46.98	48.26	65.99	53.38
4	Japan	94.94	15.40	4.75	99.87	95.68	53.62	46.64	48.19	67.21	52.45
5	Italy	94.34	15.90	8.10	99.29	95.47	53.32	46.64	48.19	66.12	52.33
6	Spain	94.14	25.69	13.65	99.54	94.69	53.29	46.70	48.20	66.37	51.89
7	Ireland	93.49	14.27	9.91	98.14	95.88	53.14	46.64	48.19	65.16	52.58
8	France	93.39	16.19	9.64	99.11	94.41	53.13	46.64	48.19	65.92	51.75
9	Switzerland	93.09	10.69	3.39	99.58	91.96	53.02	46.63	48.19	66.43	50.83
10	Sweden	92.79	42.29	19.63	98.95	92.44	52.96	46.87	48.20	65.82	50.95
11	Canada	92.66	58.82	43.28	98.71	91.43	52.94	47.22	48.27	65.55	50.72
12	Norway	92.64	34.18	19.13	99.09	92.01	52.93	46.78	48.20	65.91	50.84
13	Finland	92.01	44.95	24.58	98.17	92.49	52.82	46.91	48.21	65.19	50.96
14	Guyana	91.38	93.15	72.90	58.28	35.34	52.72	58.85	48.83	54.52	48.70
15	United Kingdom	90.38	7.23	4.60	97.48	91.79	52.58	46.62	48.19	64.73	50.80
16	Singapore	90.13	1.47	0.48	99.48	80.61	52.56	46.61	48.19	66.29	49.16
17	Germany	90.03	11.63	5.93	97.12	92.26	52.54	46.63	48.19	64.45	50.90
18	Denmark	89.98	10.01	7.28	97.19	91.93	52.54	46.63	48.19	64.51	50.83
19	New Zealand	89.80	38.02	24.98	98.15	87.95	52.52	46.82	48.21	65.17	49.88
20	Portugal	89.65	26.01	14.29	97.71	89.71	52.50	46.71	48.20	64.88	50.23
21	Netherlands	89.08	3.73	3.01	98.23	87.38	52.45	46.61	48.19	65.21	49.79
22	Korea, Rep.	89.03	9.17	3.76	98.79	83.11	52.45	46.62	48.19	65.66	49.31
23	Israel	87.68	4.18	3.82	98.83	57.06	52.31	46.61	48.19	65.69	48.74
24	Belgium	87.10	6.70	3.71	97.53	84.13	52.24	46.62	48.19	64.76	49.40
25	Greece	86.80	27.61	17.24	97.59	79.62	52.21	46.72	48.20	64.80	49.10
26	Slovenia	86.47	29.64	14.41	97.25	79.68	52.15	46.74	48.20	64.57	49.10
27	Qatar	83.89	0.02	3.90	96.12	81.59	51.92	46.61	48.19	63.68	49.20
28	Chile	83.82	50.10	34.04	96.00	69.69	51.91	47.00	48.23	63.59	48.83
29	Solomon Islands	83.77	88.88	61.21	73.13	54.53	51.90	53.33	48.47	57.06	48.73
30	Costa Rica	83.07	48.05	20.17	95.85	59.63	51.86	46.96	48.20	63.51	48.75
31	Peru	80.89	78.28	44.06	87.14	54.52	51.66	49.43	48.28	60.22	48.73
32	United States	80.49	20.78	15.22	94.40	76.08	51.65	46.67	48.20	62.75	48.97
33	Panama	80.14	62.53	24.63	92.42	75.61	51.63	47.40	48.21	61.95	48.96
34	Cuba	80.11	48.03	23.23	94.10	36.33	51.63	46.96	48.21	62.64	48.71
35	Barbados	79.38	7.19	5.06	94.64	42.49	51.59	46.62	48.19	62.85	48.71
36	Lebanon	79.28	9.28	9.27	94.56	35.24	51.59	46.62	48.19	62.82	48.70
37	Czech Republic	78.83	18.97	13.59	94.13	54.14	51.56	46.66	48.20	62.65	48.73
38	Colombia	78.63	73.54	36.99	89.23	14.10	51.55	48.39	48.24	60.86	48.70
39	Albania	78.56	54.24	31.31	92.95	19.14	51.54	47.08	48.22	62.17	48.70
40	Bolivia	78.51	88.97	67.30	63.66	64.31	51.54	53.37	48.61	55.40	48.78
41	Estonia	76.08	45.44	28.13	91.95	46.29	51.41	46.92	48.22	61.79	48.72
42	Uruguay	75.75	39.00	34.87	91.49	71.53	51.38	46.84	48.23	61.60	48.87
43	Belize	75.68	79.56	53.64	80.59	53.11	51.38	49.74	48.36	58.68	48.73
44	Thailand	75.60	32.77	23.29	88.02	88.78	51.37	46.76	48.21	60.48	50.05

Aggregate Position	country	Rank				Index					
		Country Rank	Pillar I	Pillar II	Pillar III	Pillar IV	Country Index	Pillar I	Pillar II	Pillar III	Pillar IV
45	United Arab Emirates	75.25	4.76	9.76	91.31	80.00	51.36	46.61	48.19	61.52	49.12
46	Maldives	75.13	2.84	3.99	92.25	58.22	51.36	46.61	48.19	61.88	48.75
47	Poland	75.03	26.03	16.97	91.67	69.03	51.35	46.71	48.20	61.67	48.82
48	Brazil	74.92	70.28	39.63	84.54	86.38	51.34	47.95	48.25	59.52	49.64
49	Montenegro	74.52	65.16	35.52	89.00	29.15	51.32	47.54	48.24	60.80	48.70
50	Croatia	74.32	36.23	22.00	91.30	13.14	51.31	46.80	48.21	61.51	48.70
51	Oman	74.30	0.60	34.05	90.26	81.27	51.30	46.61	48.23	61.18	49.19
52	Argentina	74.22	37.91	39.53	87.93	86.48	51.30	46.82	48.25	60.46	49.66
53	Bosnia and Herzegovina	73.30	45.62	34.22	90.17	16.31	51.25	46.92	48.23	61.16	48.70
54	Ecuador	72.80	61.02	32.92	88.14	62.03	51.21	47.31	48.23	60.53	48.76
55	Bahrain	71.77	0.17	1.67	89.89	43.38	51.15	46.61	48.19	61.07	48.71
56	Slovak Republic	71.72	26.26	15.58	89.31	62.38	51.14	46.71	48.20	60.89	48.77
57	Paraguay	71.52	75.12	50.65	79.08	77.25	51.12	48.77	48.33	58.36	49.01
58	Turkey	71.49	25.54	19.76	89.24	33.16	51.12	46.70	48.20	60.87	48.70
59	Sri Lanka	71.32	40.96	18.82	88.61	15.72	51.11	46.86	48.20	60.68	48.70
60	Antigua and Barbuda	70.99	16.73	11.65	89.09	36.40	51.09	46.65	48.20	60.82	48.71
61	Algeria	70.39	19.88	54.90	88.01	57.93	51.07	46.67	48.37	60.48	48.75
62	Morocco	69.89	48.35	38.78	86.99	64.77	51.04	46.97	48.25	60.16	48.78
63	Malaysia	69.54	45.98	21.56	86.18	76.49	51.01	46.93	48.21	59.93	48.99
64	Tunisia	69.49	29.91	36.68	87.48	52.53	51.01	46.74	48.24	60.33	48.73
65	China	68.91	19.80	19.40	87.51	51.16	50.98	46.67	48.20	60.34	48.73
66	North Macedonia	68.51	54.21	31.27	85.99	31.17	50.97	47.08	48.22	59.88	48.70
67	Iran, Islamic Rep.	68.26	22.15	38.33	87.14	28.72	50.96	46.68	48.25	60.22	48.70
68	Hungary	67.08	23.15	18.03	86.46	51.89	50.91	46.69	48.20	60.02	48.73
69	St. Lucia	66.93	21.89	11.78	86.57	15.97	50.91	46.68	48.20	60.05	48.70
70	Serbia	66.31	37.81	29.70	85.59	16.33	50.88	46.82	48.22	59.78	48.70
71	Vietnam	65.56	41.92	26.44	84.92	19.62	50.85	46.87	48.21	59.62	48.70
72	Honduras	65.33	61.32	41.09	82.57	33.27	50.84	47.33	48.26	59.09	48.70
73	Mexico	64.88	45.12	26.31	84.21	57.25	50.83	46.91	48.21	59.44	48.74
74	Latvia	64.75	59.40	30.45	82.51	57.03	50.82	47.24	48.22	59.07	48.74
75	Romania	64.35	38.64	23.69	84.25	57.91	50.81	46.83	48.21	59.45	48.75
76	Kuwait	63.85	0.96	7.79	84.98	44.29	50.79	46.61	48.19	59.64	48.71
77	Mongolia	63.55	81.22	84.05	57.62	33.87	50.78	50.14	49.87	54.38	48.70
78	Bulgaria	62.78	40.00	29.48	83.09	49.80	50.75	46.85	48.22	59.19	48.72
79	Saudi Arabia	62.53	5.87	33.56	83.28	72.72	50.74	46.62	48.23	59.22	48.89
80	Nicaragua	62.20	64.80	49.02	79.02	46.43	50.72	47.52	48.32	58.35	48.72
81	Lithuania	61.55	43.16	25.44	81.88	65.07	50.70	46.89	48.21	58.93	48.78
82	Armenia	60.80	28.38	32.73	82.48	18.70	50.68	46.73	48.23	59.06	48.70
83	Seychelles	60.40	38.94	11.62	81.72	47.93	50.67	46.84	48.20	58.91	48.72
84	Mauritius	59.52	14.04	8.35	82.00	59.20	50.64	46.64	48.19	58.96	48.75
85	Congo, Rep.	58.04	91.68	65.09	39.74	20.32	50.59	55.99	48.55	49.13	48.70
86	Belarus	57.97	54.47	36.31	78.90	39.79	50.59	47.09	48.24	58.33	48.71
87	Jamaica	57.84	25.37	18.32	80.84	35.62	50.59	46.70	48.20	58.74	48.70
88	Jordan	57.31	8.68	30.58	80.76	48.28	50.57	46.62	48.22	58.72	48.72
89	Bhutan	55.71	77.47	62.28	64.38	8.16	50.50	49.27	48.49	55.53	48.70
90	Georgia	55.61	59.91	39.54	76.26	24.54	50.49	47.27	48.25	57.76	48.70
91	Dominican Republic	54.83	39.21	17.33	77.37	68.30	50.46	46.84	48.20	57.99	48.81
92	Guatemala	54.53	41.50	26.70	77.40	35.42	50.45	46.87	48.21	58.00	48.70
93	Bahamas, The	53.66	38.57	22.42	76.78	36.78	50.40	46.83	48.21	57.86	48.71
94	Botswana	52.23	84.34	70.36	50.92	52.07	50.35	51.13	48.72	52.83	48.73
95	Libya	51.80	16.64	75.64	72.90	30.06	50.34	46.65	48.99	57.01	48.70
96	Russian Federation	51.53	71.11	52.52	68.48	39.06	50.32	48.04	48.35	56.19	48.71
97	Trinidad and Tobago	51.30	8.41	9.18	76.06	44.84	50.31	46.62	48.19	57.73	48.71

Aggregate Position	country	Rank				Index					
		Country Rank	Pillar I	Pillar II	Pillar III	Pillar IV	Country Index	Pillar I	Pillar II	Pillar III	Pillar IV
98	Cabo Verde	49.57	51.42	31.32	72.88	64.56	50.26	47.02	48.22	57.01	48.78
99	Lao PDR	48.90	85.77	57.04	48.73	28.54	50.23	51.69	48.40	52.14	48.70
100	Grenada	48.82	28.01	11.91	74.23	21.74	50.23	46.73	48.20	57.30	48.70
101	El Salvador	48.22	20.52	19.73	74.05	22.04	50.21	46.67	48.20	57.27	48.70
102	Azerbaijan	47.67	28.06	25.81	73.50	29.40	50.20	46.73	48.21	57.14	48.70
103	St. Vincent and the Grenadines	47.39	40.64	15.13	72.77	9.78	50.19	46.86	48.20	56.99	48.70
104	Kazakhstan	46.94	18.20	55.33	72.33	53.38	50.17	46.66	48.38	56.91	48.73
105	Moldova	44.11	29.40	38.66	69.98	32.05	50.03	46.74	48.25	56.45	48.70
106	Philippines	44.04	34.29	20.68	65.55	84.25	50.03	46.78	48.20	55.72	49.42
107	Bangladesh	43.79	18.41	17.94	70.16	59.50	50.02	46.66	48.20	56.48	48.75
108	Indonesia	43.54	58.63	29.73	66.21	63.91	50.01	47.22	48.22	55.83	48.77
109	Ukraine	43.01	35.27	43.68	68.55	14.11	49.99	46.79	48.28	56.20	48.70
110	Madagascar	42.71	83.55	73.27	45.95	78.18	49.98	50.75	48.85	51.26	49.05
111	Egypt, Arab Rep.	42.28	2.82	33.77	69.17	48.49	49.96	46.61	48.23	56.30	48.72
112	Kyrgyz Republic	42.11	38.81	65.68	65.60	40.16	49.96	46.83	48.57	55.73	48.71
113	Uzbekistan	41.01	23.55	41.36	67.11	52.98	49.91	46.69	48.26	55.97	48.73
114	Cambodia	39.83	73.82	48.74	55.44	31.82	49.86	48.44	48.32	53.97	48.70
115	Gabon	39.80	85.39	58.82	44.15	57.69	49.86	51.54	48.43	50.72	48.74
116	Tonga	39.05	31.09	26.49	64.87	47.32	49.82	46.75	48.21	55.61	48.72
117	Tajikistan	38.85	37.83	58.58	62.73	57.18	49.82	46.82	48.42	55.28	48.74
118	South Sudan	36.92	92.47	73.75	27.01	3.09	49.73	57.68	48.87	43.68	48.70
119	Sao Tome and Principe	36.90	61.53	34.32	58.81	54.30	49.73	47.34	48.23	54.62	48.73
120	Nepal	35.95	53.85	43.58	59.60	42.39	49.70	47.07	48.27	54.74	48.71
121	Iraq	35.47	13.80	31.01	61.66	13.60	49.66	46.64	48.22	55.10	48.70
122	Zambia	34.32	88.20	68.21	36.83	72.98	49.59	52.90	48.64	47.94	48.89
123	India	33.24	31.85	25.35	55.33	82.21	49.54	46.75	48.21	53.94	49.25
124	Myanmar	32.06	77.92	48.68	46.63	12.59	49.47	49.37	48.32	51.50	48.70
125	Senegal	31.86	74.14	50.32	49.28	25.99	49.46	48.50	48.33	52.32	48.70
126	Fiji	28.76	64.67	37.07	50.38	29.32	49.27	47.51	48.24	52.63	48.70
127	Turkmenistan	28.61	34.14	54.03	52.16	59.15	49.26	46.78	48.36	53.15	48.75
128	Rwanda	27.40	39.45	33.91	51.28	8.01	49.18	46.84	48.23	52.93	48.70
129	Papua New Guinea	27.28	80.52	61.00	40.67	67.26	49.17	49.97	48.46	49.45	48.80
130	Namibia	26.78	82.25	77.37	37.61	37.26	49.13	50.41	49.12	48.28	48.71
131	Pakistan	24.72	13.72	33.37	48.84	25.76	48.93	46.64	48.23	52.17	48.70
132	Mauritania	24.57	37.12	86.82	41.84	12.62	48.92	46.82	50.30	49.86	48.70
133	Yemen, Rep.	24.22	29.49	52.37	47.39	36.38	48.88	46.74	48.35	51.74	48.71
134	Tanzania	24.15	76.08	60.01	39.77	75.48	48.88	48.96	48.44	49.14	48.96
135	Sudan	23.90	70.07	63.24	42.94	9.93	48.86	47.93	48.51	50.29	48.70
136	Ethiopia	22.65	43.95	58.00	44.58	31.15	48.71	46.90	48.41	50.83	48.70
137	Malawi	21.82	76.45	58.79	37.21	71.23	48.62	49.05	48.43	48.13	48.86
138	Kenya	21.77	34.84	47.51	43.93	50.48	48.61	46.79	48.31	50.62	48.72
139	Congo, Dem. Rep.	20.99	82.61	75.37	31.63	14.18	48.48	50.49	48.97	45.77	48.70
140	Afghanistan	20.79	57.35	66.98	40.45	2.90	48.46	47.17	48.60	49.37	48.70
141	Djibouti	20.59	9.45	48.00	42.31	27.85	48.42	46.62	48.31	50.04	48.70
142	Ghana	20.17	66.89	40.10	38.94	31.83	48.36	47.65	48.25	48.85	48.70
143	Liberia	19.96	66.70	68.04	37.90	22.20	48.34	47.63	48.63	48.41	48.70
144	Comoros	19.56	33.90	29.79	40.70	34.58	48.29	46.77	48.22	49.46	48.70
145	Mozambique	19.14	77.96	72.92	27.81	91.48	48.23	49.38	48.83	43.98	50.73
146	South Africa	19.01	21.31	36.89	38.71	81.77	48.22	46.68	48.24	48.74	49.21
147	Niger	18.41	47.49	83.87	34.42	60.77	48.13	46.95	49.84	46.98	48.76
148	Gambia, The	18.19	72.37	46.18	35.05	18.35	48.10	48.20	48.30	47.22	48.70
149	Angola	17.99	78.02	49.82	31.92	40.02	48.08	49.39	48.33	45.90	48.71

Aggregate Position	country	Rank				Index					
		Country Rank	Pillar I	Pillar II	Pillar III	Pillar IV	Country Index	Pillar I	Pillar II	Pillar III	Pillar IV
150	Haiti	17.66	9.22	27.44	38.33	19.84	48.03	46.62	48.22	48.60	48.70
151	Burkina Faso	16.56	71.84	62.10	32.96	54.47	47.92	48.12	48.48	46.35	48.73
152	Benin	16.11	63.52	48.55	34.36	68.08	47.88	47.45	48.32	46.96	48.81
153	Mali	16.03	76.89	80.07	28.37	12.28	47.88	49.18	49.38	44.25	48.70
154	Uganda	15.61	30.79	44.83	36.06	50.46	47.84	46.75	48.28	47.62	48.72
155	Guinea	15.38	70.54	64.83	32.31	25.84	47.83	47.98	48.54	46.07	48.70
156	Guinea-Bissau	14.60	79.71	67.81	27.20	31.30	47.72	49.77	48.63	43.77	48.70
157	Zimbabwe	14.13	64.58	59.70	32.22	25.60	47.67	47.51	48.44	46.02	48.70
158	Cameroon	13.88	76.91	56.07	28.51	39.30	47.65	49.18	48.39	44.31	48.71
159	Burundi	13.45	39.49	47.18	33.37	7.48	47.59	46.84	48.30	46.53	48.70
160	Togo	12.85	20.70	53.96	32.99	27.58	47.53	46.67	48.36	46.36	48.70
161	Equatorial Guinea	10.02	67.63	29.16	28.05	54.12	47.19	47.69	48.22	44.12	48.73
162	Chad	9.82	80.05	82.56	20.79	28.92	47.16	49.84	49.67	40.43	48.70
163	Cote d'Ivoire	6.89	59.36	44.39	25.78	20.22	46.80	47.24	48.28	42.99	48.70
164	Eswatini	6.11	59.29	38.31	24.55	48.53	46.64	47.24	48.25	42.37	48.72
165	Sierra Leone	5.51	74.87	57.52	20.53	35.09	46.52	48.69	48.41	40.26	48.70
166	Nigeria	3.93	18.82	27.70	20.73	30.29	46.00	46.66	48.22	40.41	48.70
167	Lesotho	2.98	17.92	52.88	17.22	82.02	45.71	46.65	48.35	38.60	49.23
168	Vanuatu	-	79.16	56.68	61.33	-	-	49.63	48.39	55.05	-
169	Samoa	-	63.45	36.52	75.32	-	-	47.45	48.24	57.54	-
170	Micronesia, Fed. Sts.	-	59.04	29.67	50.86	-	-	47.23	48.22	52.81	-
171	Dominica	-	53.28	24.17	-	38.57	-	47.06	48.21	-	48.71
172	Kiribati	-	47.69	39.69	50.84	-	-	46.96	48.25	52.79	-
173	Palau	-	43.74	25.82	-	-	-	46.89	48.21	-	-
174	Puerto Rico	-	39.90	4.89	95.58	-	-	46.85	48.19	63.33	-
175	Brunei Darussalam	-	33.54	14.04	85.69	-	-	46.77	48.20	59.80	-
176	Tuvalu	-	32.07	17.90	-	-	-	46.76	48.20	-	-
177	Marshall Islands	-	28.82	20.73	-	57.97	-	46.73	48.20	-	48.75
178	St. Kitts and Nevis	-	25.73	10.70	-	38.65	-	46.70	48.20	-	48.71
179	Austria	-	19.76	9.54	97.78	-	-	46.67	48.19	64.93	-
180	Cyprus	-	19.24	14.33	96.76	-	-	46.66	48.20	64.20	-
181	Luxembourg	-	8.53	2.64	99.06	-	-	46.62	48.19	65.90	-
182	Iceland	-	4.57	42.31	99.24	-	-	46.61	48.27	66.05	-
183	Bermuda	-	3.03	1.15	97.57	-	-	46.61	48.19	64.78	-
184	Aruba	-	2.47	3.72	86.98	-	-	46.61	48.19	60.16	-
185	Malta	-	1.30	1.93	98.70	-	-	46.61	48.19	65.55	-
186	Nauru	-	0.02	9.95	-	-	-	46.61	48.19	-	-
187	Greenland	-	-	96.93	68.96	-	-	-	59.12	56.25	-
188	Timor-Leste	-	-	47.92	54.78	75.36	-	-	48.31	53.81	48.96
189	Kosovo	-	-	26.38	69.41	-	-	-	48.21	56.34	-
190	Faroe Islands	-	-	15.63	98.62	-	-	-	48.20	65.46	-
191	Northern Mariana Islands	-	-	15.09	-	-	-	-	48.20	-	-
192	Turks and Caicos Islands	-	-	14.18	-	40.72	-	-	48.20	-	48.71
193	West Bank and Gaza	-	-	13.74	78.14	8.47	-	-	48.20	58.17	48.70
194	American Samoa	-	-	11.04	-	-	-	-	48.20	-	-
195	Andorra	-	-	8.16	-	61.58	-	-	48.19	-	48.76
196	Curacao	-	-	7.17	93.05	47.14	-	-	48.19	62.21	48.72
197	Guam	-	-	5.44	95.21	-	-	-	48.19	63.15	-
198	Virgin Islands (U.S.)	-	-	5.29	95.25	-	-	-	48.19	63.17	-
199	Isle of Man	-	-	4.42	-	-	-	-	48.19	-	-
200	Cayman Islands	-	-	3.04	-	56.59	-	-	48.19	-	48.74
201	San Marino	-	-	2.61	-	-	-	-	48.19	-	-
202	Liechtenstein	-	-	1.80	99.38	-	-	-	48.19	66.21	-

Aggregate Position	country	Rank				Index					
		Country Rank	Pillar I	Pillar II	Pillar III	Pillar IV	Country Index	Pillar I	Pillar II	Pillar III	Pillar IV
203	Sint Maarten (Dutch part)	-	-	1.47	91.17	-	-	-	48.19	61.47	-
204	Macao SAR, China	-	-	0.83	99.85	81.45	-	-	48.19	67.13	49.20
205	Hong Kong SAR, China	-	-	0.61	99.97	86.12	-	-	48.19	67.63	49.61
206	Monaco	-	-	0.07	-	53.16	-	-	48.19	-	48.73
207	St. Martin (French part)	-	-	-	95.76	-	-	-	-	63.43	-
208	New Caledonia	-	-	-	91.22	-	-	-	-	61.49	-
209	French Polynesia	-	-	-	89.97	-	-	-	-	61.09	-
210	Venezuela, RB	-	-	-	74.74	45.93	-	-	-	57.42	48.72
211	Korea, Dem. People's Rep.	-	-	-	69.99	66.76	-	-	-	56.45	48.79
212	Syrian Arab Republic	-	-	-	61.53	0.48	-	-	-	55.08	48.70
213	Eritrea	-	-	-	43.52	-	-	-	-	50.50	-
214	Somalia	-	-	-	25.56	2.70	-	-	-	42.86	48.70
215	British Virgin Islands	-	-	-	-	-	-	-	-	-	-
216	Gibraltar	-	-	-	-	-	-	-	-	-	-

Acknowledgments

Partners

To be inserted

Reviewers

To be inserted

Copyright and Disclaimers

Demographic data sourced from the World Bank is used “as-is” and defer to their [Terms of Use for Datasets \(worldbank.org\)](#).

Cultural features are by definition subject to change, debate and dispute. We use data from Natural Earth “as-is” and defer to the [Natural Earth policy regarding disputed borders](#).

The 2021 Earth Charter Index tracks the contributions of different countries on a quantitative basis, measuring proximity to the Earth Charter Pillars using the best data available. Data constraints and methodological considerations make our project an ongoing effort, and we strive for improvements with every edition of the Index.

This report provides a narrative summary and analysis of the 2021 Earth Charter Index, and we refer the reader to our website, [earthcharter.org](#), to explore the results in greater depth. We post all our data online for download as well as a Technical Appendix and other materials that document our methods, assumptions, and decisions. Comments, suggestions, feedback, and referrals to better data sources are welcome at eci@earthcharter.org.

Similarly, the maps presented are for illustrative purposes and do not imply any political preference in cases where territory or sovereignty is under dispute.

ⁱ Brundtland, G. (1987). Report of the World Commission on Environment and Development: Our Common Future. United Nations General Assembly document A/42/427, Leonardo Boff, Respect and Care for the Community of Life with Understanding, Compassion, and Love

ⁱⁱ Happy Planet Index. (n.d.). Retrieved from <http://happyplanetindex.org/>, Human Development Reports. (n.d.). Retrieved February 16, 2021, from <http://hdr.undp.org/en/content/human-development-index-hdi>, Gender Development Index. (2020, July 02). Retrieved from [https://en.wikipedia.org/wiki/Gender_Development_Index#:~:text=The Gender Related Development Index, the United Nations Development Program., Gender Inequality Index \(GII\). \(n.d.\). Retrieved from https://www.who.int/data/nutrition/nlis/info/gender-inequality-index-\(gii\)#:~:text=The Gender Inequality Index is, empowerment and the labour market, Index of Sustainable Economic Welfare. \(2021, January 29\). Retrieved from https://en.wikipedia.org/wiki/Index_of_Sustainable_Economic_Welfare](https://en.wikipedia.org/wiki/Gender_Development_Index#:~:text=The Gender Related Development Index, the United Nations Development Program., Gender Inequality Index (GII). (n.d.). Retrieved from https://www.who.int/data/nutrition/nlis/info/gender-inequality-index-(gii)#:~:text=The Gender Inequality Index is, empowerment and the labour market, Index of Sustainable Economic Welfare. (2021, January 29). Retrieved from https://en.wikipedia.org/wiki/Index_of_Sustainable_Economic_Welfare), Social Progress Imperative. (n.d.). Retrieved from <https://www.socialprogress.org/>, The Legatum Prosperity Index (2020) by the Legatum Institute:: Legatum Prosperity Index 2020. (2020, November 25). Retrieved from <https://www.prosperity.com/>

ⁱⁱⁱ Global Peace Index. (2020, November 05). Retrieved from <https://www.visionofhumanity.org/maps/#/>, Democracy Index 2020. (n.d.). Retrieved from <https://www.eiu.com/n/campaigns/democracy-index-2020/>, World Governance Index. (2021, January 19). Retrieved from https://en.wikipedia.org/wiki/World_Governance_Index, Enabling Environment Index. (n.d.). Retrieved from <https://www.civicus.org/eci/>, Corruption Perceptions Index 2020. (n.d.). Retrieved from <https://www.transparency.org/en/cpi/2020/index/nzl>

^{iv} Where-to-be-born Index. (2021, February 12). Retrieved from [https://en.wikipedia.org/wiki/Where-to-be-born_Index#:~:text=The Economist Intelligence Unit's, life in the years ahead. Sense of Community. \(n.d.\). Retrieved from https://www.senseofcommunity.com/soc-index/](https://en.wikipedia.org/wiki/Where-to-be-born_Index#:~:text=The Economist Intelligence Unit's, life in the years ahead. Sense of Community. (n.d.). Retrieved from https://www.senseofcommunity.com/soc-index/), The Global Health Security Index. (2020, April 10). Retrieved from <https://www.ghsindex.org/>, OECD Better Life Index - Community. (n.d.). Retrieved from <http://www.oecdbetterlifeindex.org/topics/community/>

^v Living Planet Index. (n.d.). Retrieved from <https://livingplanetindex.org/home/index>, Environmental Performance Index. (n.d.). Retrieved from <https://epi.yale.edu/>, Environmental Democracy Index. (n.d.). Retrieved from <https://environmentaldemocracyindex.org/>, Environmental Vulnerability Index. (2004). Retrieved February 16, 2021, from <http://www.vulnerabilityindex.net/>, Diversity index. (2021, February 08).

Retrieved from [https://en.wikipedia.org/wiki/Diversity_index#:~:text=A diversity index \(also called, individuals distributed among those types, Biotic Index](https://en.wikipedia.org/wiki/Diversity_index#:~:text=A%20diversity%20index%20(also%20called%20individuals%20distributed%20among%20those%20types%2C%20Biotic%20Index.). Retrieved from [https://en.wikipedia.org/wiki/Biotic_index#:~:text=Biotic%20Index%20\(also%20called%20%22Family, quality %20of%20water%20in%20rivers](https://en.wikipedia.org/wiki/Biotic_index#:~:text=Biotic%20Index%20(also%20called%20%22Family%20quality%20of%20water%20in%20rivers), Index of biological integrity. (2020, December 13). Retrieved from https://en.wikipedia.org/wiki/Index_of_biological_integrity, OECD Better Life Index- Environment. (n.d.). Retrieved from <http://www.oecdbetterlifeindex.org/topics/environment/>

^{vi} The Earth Charter was created by the independent Earth Charter Commission, which was convened as a follow-up to the 1992 Earth Summit in order to produce a global consensus statement of values and principles for a sustainable future. The document was developed over nearly a decade through an extensive process of international consultation, to which over five thousand people contributed. The Charter has been formally endorsed by thousands of organizations, including UNESCO and the IUCN (World Conservation Union). For more information, please visit www.EarthCharter.org.

^{vii} Leonardo Boff, Respect and Care for the Community of Life with Understanding, Compassion, and Love, and Experiences with Nature, the Origins of the Earth Charter, and Reflections about Some Earth Charter Principles [Audio blog interview]. (S.Rockefeller). Retrieved February 17, 2021, from <https://earthcharter.org/podcasts/steven-rockefeller/>

^{viii} Brendan Mackey: Ecological Integrity – A Commitment to Life on Earth, Ecological Integrity, and Climate Change and the Earth Charter [Audio blog interview]. (B.Mackey). Retrieved February 17, 2021, from <https://earthcharter.org/podcasts/brendan-mackey/>

^{ix} Yolanda Kakabadse: Using Earth Charter Principles to Assess Social and Economic Justice in Latin America

^x Federico Mayor: Democracy, Non-Violence, and Peace

^{xi} World Bank Open Data. Retrieved from <https://data.worldbank.org/>

^{xii} This phrase comes from Leonardo Boff, Respect and Care for the Community of Life with Understanding, Compassion, and Love: “Respect implies recognizing that other beings are older and, therefore, they deserve to exist and coexist together with us. By respecting them, we impose limits on our willpower and on our arrogance. Historically, this limit has always been disrespected.” It sets the context for why we measure humility – the opposite of arrogance.