

MID-TERM REVIEW OF THE GEF RESOURCE ALLOCATION FRAMEWORK

Quintile Analysis

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Contents

A quintile in this paper means one fifth or 20% of a given number of eligible countries in a focal area. There are 150 countries eligible for the biodiversity resource allocation and 161 for the climate change resource allocation under the RAF. Five quintiles are thus defined as:

- 1) 30 countries in each quintile in the biodiversity focal area, and
- 2) 32 countries in each of 4 quintiles and 31 are in the fifth quintile in the climate change focal area.

This paper presents the quintiles constructed by GEF benefit index (GBI) in the biodiversity and climate change focal areas and by GEF performance index (GPI). The country movements from the quintiles of GBI to the quintiles of GPI are also presented.

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1. The quintiles by GEF benefit index in biodiversity

The GBI values of the 150 biodiversity countries are between 0.07 and 663.68 and their accumulated GBI is 7637 in total. Countries are sorted by GBI value in descending order and placed 30 countries in each quintile. Table 1 (next page) shows the quintiles constructed. The quintiles have the following attributes:

- *Quintile 1* is the highest quintile by GBI. Its GBI ranges from 56 to 664 with mean = 195.3. This quintile is accountable for 76.7% of the total GBI for the 150 biodiversity countries
- *Quintile 2* ranges from GBI = 22.8 to GBI = 55 with mean = 34.9, and takes 13.7% of the total GBI
- *Quintile 3* ranges from GBI = 10.57 to GBI = 22.4 with mean = 15.9, and collects 6.3% of the total GBI
- *Quintile 4* ranges from GBI = 3.58 to GBI = 10.5. The average is 6.8. The quintile collects 2.7% of the total GBI
- *Quintile 5* is the lowest quintile by GBI. Its values are less than 3.57 and mean is 1.6. This quintile only accumulates 0.6% of the total GBI for the 150 biodiversity countries.

Table 1: Quintiles by GEF benefit index score for biodiversity*

Quintile 1: GBI=56-664	Quintile 2: GBI=22.8-55	Quintile 3: GBI=10.57-22.4	Quintile 4: GBI=3.58-10.5	Quintile 5: GBI<3.57
<i>Brazil(63.22)</i>	Mozambique(6.81)	Yemen (grp)	<i>Bangladesh (grp)</i>	Croatia (grp)
<i>Indonesia(41.41)</i>	<i>Thailand(9.20)</i>	Paraguay (grp)	Mali (grp)	Tunisia (grp)
<i>Mexico(54.61)</i>	Honduras(6.78)	<i>Uganda(4.03)</i>	Sierra Leone (grp)	Burundi (grp)
<i>China(44.25)</i>	<i>Iran(6.65)</i>	Guyana (grp)	Botswana (grp)	Antigua and Barbuda (grp)
<i>Colombia(36.64)</i>	Dominican Republic(5.82)	<i>Egypt(4.25)</i>	<i>Palau (grp)</i>	<i>Niue (grp)</i>
<i>India(29.57)</i>	Sri Lanka(6.41)	Cape Verde(4.07)	Uruguay (grp)	<i>Ukraine (grp)</i>
<i>Russian Federation(25.29)</i>	<i>Nigeria(5.55)</i>	Suriname (grp)	Mauritania (grp)	Togo (grp)
<i>Peru(25.26)</i>	<i>Turkey(6.13)</i>	Micronesia (grp)	Senegal (grp)	Bosnia-Herzegovina (grp)
<i>Philippines(21.26)</i>	Namibia(6.46)	<i>Algeria(3.67)</i>	<i>Uzbekistan (grp)</i>	Jordan (grp)
Madagascar(24.20)	Haiti(4.15)	Sao Tome and Principe (grp)	Kyrgyzstan (grp)	Barbados (grp)
Ecuador(23.17)	<i>Sudan(4.25)</i>	<i>Liberia (grp)</i>	Dominica (grp)	<i>Tuvalu (grp)</i>
Papua New Guinea(12.45)	<i>Kazakhstan(5.48)</i>	Guinea (grp)	St. Vincent and Grenadines (grp)	Lesotho (grp)
<i>Venezuela(16.68)</i>	Lao PDR(5.20)	Trinidad and Tobago (grp)	Bhutan (grp)	Burkina Faso (grp)
<i>South Africa(22.54)</i>	<i>Pakistan(5.11)</i>	Nepal (grp)	Rwanda (grp)	Armenia (grp)
<i>Argentina(14.47)</i>	Zambia(5.10)	Comoros (grp)	St. Lucia (grp)	Benin (grp)
Congo DR (9.62)	Fiji(5.13)	Vanuatu (grp)	<i>Syria (grp)</i>	Macedonia (grp)
<i>Chile(15.73)</i>	Jamaica(5.12)	Chad (grp)	<i>Bulgaria (grp)</i>	Albania (grp)
<i>Tanzania(12.80)</i>	Seychelles(5.30)	Zimbabwe (grp)	Eritrea (grp)	Serbia and Montenegro (grp)
<i>Malaysia(15.18)</i>	Solomon Islands (grp)	Ghana (grp)	Niger (grp)	Lebanon (grp)
<i>Bolivia(11.44)</i>	Mongolia(3.82)	Turkmenistan (grp)	<i>Azerbaijan (grp)</i>	<i>Hungary (grp)</i>
<i>Cuba(14.66)</i>	<i>Bahamas (grp)</i>	Samoa (grp)	El Salvador (grp)	Swaziland (grp)
Cameroon(11.94)	Mauritius(5.60)	<i>Cook Islands (grp)</i>	Tajikistan (grp)	<i>Nauru (grp)</i>
Panama(11.22)	<i>Morocco(4.33)</i>	Belize (grp)	<i>Korea DPR (grp)</i>	<i>Slovak Republic (grp)</i>
<i>Vietnam(10.17)</i>	Malawi(4.21)	Republic Of Korea (grp)	Georgia (grp)	St. Kitts and Nevis (grp)
Costa Rica(11.95)	<i>Cambodia (grp)</i>	Maldives (grp)	Guinea-Bissau (grp)	Gambia (grp)
<i>Myanmar (grp)</i>	Cote d'Ivoire(3.59)	<i>Libya (grp)</i>	<i>Romania (grp)</i>	<i>Latvia (grp)</i>
<i>Kenya (7.93)</i>	Afghanistan(3.53)	Equatorial Guinea (grp)	Grenada (grp)	Estonia (grp)
<i>Angola (grp)</i>	Nicaragua(3.96)	Central African Republic (grp)	Tonga (grp)	<i>Lithuania (grp)</i>
Guatemala (8.17)	Gabon (grp)	Marshall Islands (grp)	<i>Poland (grp)</i>	<i>Belarus (grp)</i>
<i>Ethiopia (7.67)</i>	Congo (grp)	Kiribati (grp)	Djibouti (grp)	Moldova (grp)

- * Sorted in the descending order of GBI score ranking in biodiversity
- * Biodiversity allocation dollar amount (US M\$) in parenthesis are presented for indicative countries, while the others are group countries marked with (grp)
- * The countries colored in **dark red** a) have not participated in GEF; or b) have not previously received GEF resources in the underlying focal area; or c) do not have any GPI data. See the RAF document GEF/C.27/inf.8/REF.1 for details.
- * Indicative climate change countries are marked as well using color **blue** and also in *Italics*.

2. The quintiles by GEF benefit index in climate change

The total GBI of the 161 climate change countries is 6981866 and the range of the GBI values is from 1 to 2413021. Countries are sorted by GBI in descending order and 33 countries placed in quintile 5 and 32 in the other quintiles. The quintiles constructed are shown in Table 2 (next page). The quintiles have the following attributes:

- *Quintile 1* is the highest quintile by GBI. Its GBI ranges from 30294 to 2413021 with mean = 192469.7. This quintile is accountable for 88.2% of the total GBI for the 161 climate change countries
- *Quintile 2* ranges from GBI = 9279 to GBI = 29768 with mean = 16620.1. This quintile shares 7.6% of the total GBI
- *Quintile 3* ranges from GBI = 4159 to GBI = 9198 with mean = 6603.3. It collects 3.0% of the total GBI
- *Quintile 4* ranges from GBI = 802 to GBI = 3984 with mean = 2280.6. The 32 countries in this quintile share only 1.0% of the total GBI
- *Quintile 5* is the lowest quintile by GBI. Its GBI values are less than 797 and the mean is 203.4. The 33 countries in this quintile accumulate as little as 0.1% of the total GBI for the 161 countries.

Table legend:

- * Sorted in the descending order of GBI score ranking in climate change
- * Climate change allocation dollar amount M\$ in parenthesis are presented for indicative countries, while the others are group countries marked with (grp)
- * The countries colored in dark red i) were not participated in GEF; or ii) had not previously received GEF resources in the underlying focal area; or iii) did not have any GPI data. See the RAF document GEF/C.27/inf.8/REF.1 for details.
- * Indicative biodiversity countries are marked as well using color blue and also in *Italics*.

Table 2: Quintiles by GEF benefit index score for climate change*

Quintile 1: GBI=30,295~2,413,021	Quintile 2: GBI=9,279.79~29,767.11	Quintile 3: GBI=4,159.26~9,197.50	Quintile 4: GBI=802.52~3,983.38	Quintile 5: GBI<=796.23
<i>China(150)</i>	Hungary(8.24)	<i>Angola (grp)</i>	<i>Honduras (grp)</i>	<i>Fiji (grp)</i>
<i>India(74.85)</i>	United Arab Emirates (grp)	Yemen (grp)	Kyrgyz Republic (grp)	Bhutan (grp)
<i>Russian Federation(72.55)</i>	<i>Chile(6.08)</i>	<i>Madagascar (grp)</i>	Niger (grp)	Burundi (grp)
<i>Brazil(38.10)</i>	<i>Ethiopia(4.87)</i>	Latvia(3.18)	Lebanon (grp)	<i>Bahamas (grp)</i>
Poland(38.06)	<i>Myanmar (grp)</i>	<i>Cameroon (grp)</i>	Central African Republic (grp)	Guinea-Bissau (grp)
<i>Mexico(28.29)</i>	<i>Tanzania(4.75)</i>	Croatia (grp)	<i>Namibia (grp)</i>	Gambia (grp)
<i>Korea (grp)</i>	Azerbaijan(4.12)	Georgia (grp)	Macedonia, FYR (grp)	Djibouti (grp)
Ukraine(18.86)	<i>Peru(4.61)</i>	<i>Mozambique (grp)</i>	Gabon (grp)	Barbados (grp)
<i>Indonesia(16.29)</i>	Syrian Arab Republic(4.86)	Trinidad and Tobago (grp)	El Salvador (grp)	Antigua and Barbuda (grp)
<i>South Africa(23.93)</i>	Slovak Republic(5.68)	Jordan (grp)	<i>Panama (grp)</i>	Belize (grp)
<i>Iran, Islamic Rep.(16.52)</i>	<i>Singapore (grp)</i>	Paraguay (grp)	Guinea (grp)	<i>Vanuatu (grp)</i>
<i>Turkey(17.51)</i>	<i>Israel (grp)</i>	<i>Sri Lanka (grp)</i>	<i>Jamaica (grp)</i>	<i>Cape Verde (grp)</i>
<i>Kazakhstan(13.51)</i>	Cambodia(3.34)	Armenia (grp)	<i>Lao PDR (grp)</i>	Maldives (grp)
<i>Argentina(13.35)</i>	Turkmenistan (grp)	Burkina Faso (grp)	<i>Papua New Guinea (grp)</i>	<i>Samoa (grp)</i>
<i>Pakistan(13.17)</i>	<i>Libya (grp)</i>	<i>Oman (grp)</i>	<i>Cyprus (grp)</i>	Comoros (grp)
<i>Saudi Arabia (grp)</i>	<i>Kuwait (grp)</i>	<i>Mongolia (grp)</i>	Benin (grp)	<i>Solomon Islands (grp)</i>
<i>Thailand(14.65)</i>	<i>Serbia and Montenegro (grp)</i>	Uruguay (grp)	<i>Malawi (grp)</i>	St. Lucia (grp)
Romania(13.89)	<i>Kenya(3.44)</i>	Botswana (grp)	Eritrea (grp)	<i>Palau (grp)</i>
<i>Nigeria(9.25)</i>	<i>Morocco(3.83)</i>	<i>Guatemala (grp)</i>	Togo (grp)	<i>Seychelles (grp)</i>
<i>Venezuela, RB(8.79)</i>	<i>Cuba(4.25)</i>	<i>Afghanistan (grp)</i>	<i>Haiti (grp)</i>	Tonga (grp)
Uzbekistan(9.32)	<i>Bolivia(3.11)</i>	<i>Zambia (grp)</i>	<i>Liberia (grp)</i>	Grenada (grp)
<i>Egypt, Arab Rep.(11.45)</i>	<i>Estonia (grp)</i>	Senegal (grp)	Congo, Rep. (grp)	St. Vincent & the Grenadines (grp)
<i>Malaysia(11.33)</i>	Zimbabwe (grp)	Chad (grp)	Albania (grp)	St. Kitts and Nevis (grp)
<i>Colombia(8.88)</i>	<i>Uganda(3.09)</i>	Mauritania (grp)	Rwanda (grp)	<i>Nauru (grp)</i>
<i>Vietnam(8.46)</i>	<i>Qatar (grp)</i>	Ghana (grp)	<i>Mauritius (grp)</i>	Dominica (grp)
Belarus(7.92)	Nepal (grp)	Moldova (grp)	<i>Equatorial Guinea (grp)</i>	Sao Tome and Principe (grp)
Bangladesh(6.67)	<i>Ecuador (grp)</i>	<i>Costa Rica (grp)</i>	Sierra Leone (grp)	<i>Kiribati (grp)</i>
<i>Sudan(5.73)</i>	<i>Congo, Dem. Rep. (grp)</i>	<i>Bahrain (grp)</i>	Guyana (grp)	<i>Cook Islands (grp)</i>
<i>Philippines(6.60)</i>	<i>Dominican Republic (grp)</i>	Tajikistan (grp)	Lesotho (grp)	<i>Niue (grp)</i>
<i>Algeria(7.64)</i>	Mali (grp)	<i>Bosnia and Herzegovina (grp)</i>	Suriname (grp)	<i>Tuvalu (grp)</i>
Bulgaria(8.50)	Tunisia (grp)	<i>Cote d'Ivoire (grp)</i>	Swaziland (grp)	<i>San Marino (grp)</i>
Korea, Dem. Rep.(6.42)	Lithuania(3.42)	<i>Nicaragua (grp)</i>	<i>Malta (grp)</i>	<i>Micronesia, Fed. Sts. (grp)</i>
				<i>Marshall Islands (grp)</i>

3. The quintiles by GPI

The 161 climate change eligible countries include the 150 biodiversity countries plus other 11 that are only eligible for the climate change resource allocation. Their GPI values range between 1 and 5. The total GPI value for the 161 countries is 427.4. By sorting the 161 countries by GPI in descending order the following 5 quintiles can be defined (see Table 3 on next page):

- *Quintile 1* is the highest quintile by GPI. The countries in this quintile are among the highest performers in terms of GPI. Its GPI takes values in a range from 3.35 to 4.43 with mean = 3.77. This quintile is accountable for 28.2% of the total GPI for the 161 countries.
- *Quintile 2* ranges from GPI = 3.04 to GPI = 3.35 with mean = 3.14. It shares 23.5% of the total GPI
- *Quintile 3* ranges from GBI = 2.72 to GBI = 3.03 with mean = 2.87, and collects 21.5% of the total GPI
- *Quintile 4* ranges from GBI = 2.32 to GBI = 2.72 with mean = 2.58 and takes 19.3% of the total GPI
- *Quintile 5* has 33 countries and is the lowest quintile by GPI. Its GPI values are less than 2.32 and the mean is 0.97. This quintile accumulates only 7.5% of the total GPI for the 161 countries. The countries without GPI values available are also placed in this quintile.

Table legend:

- * Within each quintile the countries are sorted in ascending order by country name
- * Indicative countries in both the biodiversity and climate change focal areas: country name followed with (climate change indicative allocation M\$ / biodiversity indicative allocation M\$)
- * Biodiversity indicative countries allocated in the climate change group: country name followed with (grp / biodiversity indicative allocation M\$)
- * Climate change indicative countries allocated in the biodiversity group: country name followed with (climate change indicative allocation M\$ / grp)
- * Group countries in both the biodiversity and climate change focal areas: country name followed with (grp/grp)
- * Climate change only group countries: country name followed with (grp / -)

Table 3: Quintiles by GEF performance index (GPI) score*

Quintile 1: GPI=3.35-4.43	Quintile 2: GPI=3.04-3.35	Quintile 3: GPI=2.72-3.03	Quintile 4: GPI=2.32-2.72	Quintile 5: GPI≤2.32
Antigua and Barbuda (grp/grp)	Algeria (7.64/3.67)	Albania (grp/grp)	Afghanistan (grp/3.53)	Bahamas (grp/grp)
Barbados (grp/grp)	Armenia (grp/grp)	Argentina (13.35/14.47)	Angola (grp/grp)	Bahrain (grp/ -)
Bhutan (grp/grp)	Benin (grp/grp)	Azerbaijan (4.12/grp)	Bangladesh (6.67/grp)	Burundi (grp/grp)
Botswana (grp/grp)	Burkina Faso (grp/grp)	Belarus (7.92/grp)	Cambodia (3.34/grp)	Central African Republic (grp/grp)
Brazil (38.10/63.22)	Cameroon (grp/11.94)	Belize (grp/grp)	Congo, Rep. (grp/grp)	Chad (grp/grp)
Bulgaria (8.50/grp)	Colombia (8.88/36.64)	Bolivia (3.11/11.44)	Cote d'Ivoire (grp/3.59)	Comoros (grp/grp)
Cape Verde (grp/4.07)	Ecuador (grp/23.17)	Bosnia and Herzegovina (grp/grp)	Djibouti (grp/grp)	Congo, Dem. Rep. (grp/9.62)
Chile (6.08/15.73)	Fiji (grp/5.13)	Dominica (grp/grp)	Dominican Republic (grp/5.82)	Cook Islands (grp/grp)
China (150/44.25)	Georgia (grp/grp)	El Salvador (grp/grp)	Eritrea (grp/grp)	Cyprus (grp/ -)
Costa Rica (grp/11.95)	Ghana (grp/grp)	Ethiopia (4.87/7.67)	Gambia (grp/grp)	Equatorial Guinea (grp/grp)
Croatia (grp/grp)	Grenada (grp/grp)	Gabon (grp/grp)	Guinea (grp/grp)	Haiti (grp/4.15)
Cuba (4.25/14.66)	Guatemala (grp/8.17)	Guyana (grp/grp)	Guinea-Bissau (grp/grp)	Israel (grp/ -)
Egypt, Arab Rep. (11.45/4.25)	India (74.85/29.57)	Honduras (grp/6.78)	Indonesia (16.29/41.41)	Kuwait (grp/ -)
Estonia (grp/grp)	Jamaica (grp/5.12)	Iran, Islamic Rep. (16.52/6.65)	Kenya (3.44/7.93)	Liberia (grp/grp)
Hungary (8.24/grp)	Kazakhstan (13.51/5.48)	Jordan (grp/grp)	Kyrgyz Republic (grp/grp)	Libya (grp/grp)
Korea, Rep. (grp/grp)	Korea, Dem. Rep. (6.42/grp)	Kiribati (grp/grp)	Lebanon (grp/grp)	Malta (grp/ -)
Latvia (3.18/grp)	Madagascar (grp/24.20)	Lao PDR (grp/5.20)	Marshall Islands (grp/grp)	Myanmar (grp/grp)
Lithuania (3.42/grp)	Maldives (grp/grp)	Lesotho (grp/grp)	Micronesia, Fed. Sts. (grp/grp)	Nauru (grp/grp)
Macedonia (grp/grp)	Morocco (3.83/4.33)	Malawi (grp/4.21)	Mongolia (grp/3.82)	Niue (grp/grp)
Malaysia (11.33/15.18)	Nicaragua (grp/3.96)	Mali (grp/grp)	Nepal (grp/grp)	Oman (grp/ -)
Mauritius (grp/5.60)	Peru (4.61/25.26)	Mauritania (grp/grp)	Nigeria (9.25/5.55)	Palau (grp/grp)
Mexico (28.29/54.61)	Senegal (grp/grp)	Moldova (grp/grp)	Paraguay (grp/grp)	Papua New Guinea (grp/12.45)
Namibia (grp/6.46)	Seychelles (grp/5.30)	Mozambique (grp/6.81)	Rwanda (grp/grp)	Qatar (grp/ -)
Panama (grp/11.22)	Sri Lanka (grp/6.41)	Niger (grp/grp)	Sierra Leone (grp/grp)	San Marino (grp/ -)
Poland (38.06/grp)	St. Lucia (grp/grp)	Pakistan (13.17/5.11)	St. Kitts and Nevis (grp/grp)	Sao Tome and Principe (grp/grp)
Romania (13.89/grp)	St. Vincent and the Grenadines (grp/grp)	Philippines (6.60/21.26)	Sudan (5.73/4.25)	Saudi Arabia (grp/ -)
Samoa (grp/grp)	Suriname (grp/grp)	Russian Federation (77.55/25.20)	Swaziland (grp/grp)	Singapore (grp/ -)
Slovak Republic (5.68/grp)	Syrian Arab Republic (4.86/grp)	Serbia and Montenegro (grp/grp)	Tajikistan (grp/grp)	Solomon Islands (grp/grp)
South Africa (23.02/22.54)	Tanzania (4.75/12.80)	Trinidad and Tobago (grp/grp)	Tonga (grp/grp)	Togo (grp/grp)
Thailand (14.65/9.20)	Turkey (17.51/6.13)	Ukraine (18.86/grp)	Vanuatu (grp/grp)	Turkmenistan (grp/grp)
Tunisia (grp/grp)	Uganda (3.09/4.03)	Uzbekistan (9.32/grp)	Venezuela, RB (8.79/16.68)	Tuvalu (grp/grp)
Uruguay (grp/grp)	Vietnam (8.46/10.17)	Zambia (grp/5.10)	Yemen, Rep. (grp/grp)	United Arab Emirates (grp/ -)
				Zimbabwe (grp/grp)

4. Changes in quintiles by GBI

Change in biodiversity (or climate change) is defined as quintile number by GPI minus quintile number by GBI in biodiversity (or climate change).

Table 4: Quintile changes from GPI to GBI (sorted by the column “change in biodiversity”)

Country	(1) Quintile by GPI	(2) Quintile by GBI in biodiversity	(3) Quintile by GBI in climate change	(1) – (2) Change in biodiversity	(1) – (3) Change in climate change
Barbados	1	5	5	-4	-4
Antigua and Barbuda	1	5	5	-4	-4
Macedonia, FYR	1	4	5	-4	-3
Latvia	1	3	5	-4	-2
Croatia	1	3	5	-4	-2
Hungary	1	2	5	-4	-1
Slovak Republic	1	2	5	-4	-1
Lithuania	1	2	5	-4	-1
Tunisia	1	2	5	-4	-1
Estonia	1	2	5	-4	-1
Bhutan	1	5	4	-3	-4
Uruguay	1	3	4	-3	-2
Botswana	1	3	4	-3	-2
Benin	2	4	5	-3	-2
Armenia	2	3	5	-3	-1
Burkina Faso	2	3	5	-3	-1
Poland	1	1	4	-3	0
Romania	1	1	4	-3	0
Bulgaria	1	1	4	-3	0
Cape Verde	1	5	3	-2	-4
Samoa	1	5	3	-2	-4
St. Lucia	2	5	4	-2	-3
Grenada	2	5	4	-2	-3
St. Vincent and the Grenadines	2	5	4	-2	-3
Georgia	2	3	4	-2	-1
Senegal	2	3	4	-2	-1
Albania	3	4	5	-2	-1
Lesotho	3	4	5	-2	-1
Egypt, Arab Rep.	1	1	3	-2	0
Syrian Arab Republic	2	2	4	-2	0
Jordan	3	3	5	-2	0
Moldova	3	3	5	-2	0
Korea, Rep.	1	1	3	-2	0
Bosnia and Herzegovina	3	3	5	-2	0
Korea, Dem. Rep.	2	1	4	-2	1
Serbia and Montenegro	3	2	5	-2	1
Ukraine	3	1	5	-2	2

Country	(1) Quintile by GPI	(2) Quintile by GBI in biodiversity	(3) Quintile by GBI in climate change	(1) – (2) Change in biodiversity	(1) – (3) Change in climate change
Belarus	3	1	5	-2	2
Namibia	1	4	2	-1	-3
Mauritius	1	4	2	-1	-3
Maldives	2	5	3	-1	-3
Suriname	2	4	3	-1	-2
Dominica	3	5	4	-1	-2
Ghana	2	3	3	-1	-1
Niger	3	4	4	-1	-1
El Salvador	3	4	4	-1	-1
Gambia, The	4	5	5	-1	-1
St. Kitts and Nevis	4	5	5	-1	-1
Thailand	1	1	2	-1	0
Uganda	2	2	3	-1	0
Mauritania	3	3	4	-1	0
Lebanon	4	4	5	-1	0
Swaziland	4	4	5	-1	0
Algeria	2	1	3	-1	1
Azerbaijan	3	2	4	-1	1
Mali	3	2	4	-1	1
Uzbekistan	3	1	4	-1	2
Panama	1	4	1	0	-3
Fiji	2	5	2	0	-3
Seychelles	2	5	2	0	-3
Costa Rica	1	3	1	0	-2
Jamaica	2	4	2	0	-2
Belize	3	5	3	0	-2
Kiribati	3	5	3	0	-2
Chile	1	2	1	0	-1
Cuba	1	2	1	0	-1
Sri Lanka	2	3	2	0	-1
Nicaragua	2	3	2	0	-1
Guyana	3	4	3	0	-1
Guinea-Bissau	4	5	4	0	-1
Djibouti	4	5	4	0	-1
Tonga	4	5	4	0	-1
China	1	1	1	0	0
Brazil	1	1	1	0	0
Mexico	1	1	1	0	0
South Africa	1	1	1	0	0
Malaysia	1	1	1	0	0
Morocco	2	2	2	0	0
Trinidad and Tobago	3	3	3	0	0
Kyrgyz Republic	4	4	4	0	0
Eritrea	4	4	4	0	0
Rwanda	4	4	4	0	0

Country	(1) Quintile by GPI	(2) Quintile by GBI in biodiversity	(3) Quintile by GBI in climate change	(1) – (2) Change in biodiversity	(1) – (3) Change in climate change
Sierra Leone	4	4	4	0	0
Burundi	5	5	5	0	0
Naru	5	5	5	0	0
Niue	5	5	5	0	0
Tuvalu	5	5	5	0	0
Turkey	2	1	2	0	1
Kazakhstan	2	1	2	0	1
Tajikistan	4	3	4	0	1
Togo	5	4	5	0	1
Bangladesh	4	1	4	0	3
Madagascar	2	3	1	1	-1
Cameroon	2	3	1	1	-1
Guatemala	2	3	1	1	-1
Honduras	3	4	2	1	-1
Gabon	3	4	2	1	-1
Lao PDR	3	4	2	1	-1
Malawi	3	4	2	1	-1
Vanuatu	4	5	3	1	-1
Micronesia, Fed. Sts.	4	5	3	1	-1
Marshall Islands	4	5	3	1	-1
Tanzania	2	2	1	1	0
Peru	2	2	1	1	0
Ecuador	2	2	1	1	0
Mozambique	3	3	2	1	0
Zambia	3	3	2	1	0
Guinea	4	4	3	1	0
Palau	5	5	4	1	0
India	2	1	1	1	1
Colombia	2	1	1	1	1
Vietnam	2	1	1	1	1
Yemen, Rep.	4	3	3	1	1
Paraguay	4	3	3	1	1
Iran, Islamic Rep.	3	1	2	1	2
Pakistan	3	1	2	1	2
Nepal	4	2	3	1	2
Congo, Rep.	4	4	2	2	0
Comoros	5	5	3	2	0
Sao Tome and Principe	5	5	3	2	0
Cook Islands	5	5	3	2	0
Ethiopia	3	2	1	2	1
Bolivia	3	2	1	2	1
Mongolia	4	3	2	2	1
Cote d'Ivoire	4	3	2	2	1
Central African Republic	5	4	3	2	1

Country	(1) Quintile by GPI	(2) Quintile by GBI in biodiversity	(3) Quintile by GBI in climate change	(1) – (2) Change in biodiversity	(1) – (3) Change in climate change
Afghanistan	4	3	2	2	1
Liberia	5	4	3	2	1
Equatorial Guinea	5	4	3	2	1
Russian Federation	3	1	1	2	2
Argentina	3	1	1	2	2
Philippines	3	1	1	2	2
Cambodia	4	2	2	2	2
Dominican Republic	4	2	2	2	2
Chad	5	3	3	2	2
Nigeria	4	1	2	2	3
Sudan	4	1	2	2	3
Turkmenistan	5	2	3	2	3
Zimbabwe	5	2	3	2	3
Libya	5	2	3	2	3
Bahamas, The	5	5	2	3	0
Solomon Islands	5	5	2	3	0
Haiti	5	4	2	3	1
Angola	4	3	1	3	1
Kenya	4	2	1	3	2
Indonesia	4	1	1	3	3
Venezuela, RB	4	1	1	3	3
Papua New Guinea	5	4	1	4	1
Congo, Dem. Rep.	5	2	1	4	3
Myanmar	5	2	1	4	3
San Marino	5	5			0
Cyprus	5	4			1
Malta	5	4			1
Oman	5	3			2
Bahrain	5	3			2
United Arab Emirates	5	2			3
Singapore	5	2			3
Israel	5	2			3
Kuwait	5	2			3
Qatar	5	2			3
Saudi Arabia	5	1			4

5. The quintiles by baseline GHG emission

The 161 climate change countries accumulate scores of 5293416.47 for the total baseline GHG emission (GHG) with a value range between 1.00 and 1354306.12. Countries are sorted by the GHG in descending order; 33 countries placed in quintile 5 and 32 in the other quintiles. The quintiles constructed are shown in Table 5 (next page). The quintiles have the following attributes:

- *Quintile 1* is the highest quintile by GHG. Its GHG value range is 24,451.13 ~ 1,354,306.12 with average = 143288.2. This quintile is accountable for 86.6% of the total GHG for the 161 climate change countries
- *Quintile 2* ranges from GHG = 7,973.36 to GBI = 22,577.54 with average = 14704.55. This quintile shares 8.89% of the total GHG
- *Quintile 3* ranges from GHG = 3251.59 to GHG = 7584.98 with average = 5385.79. It collects 3.26% of the total GHG
- *Quintile 4* ranges from GHG = 660.37 to GHG = 3205.92 with average = 1858.02. The 32 countries in this quintile share 1.12% of the total GHG
- *Quintile 5* is the lowest quintile by GHG. Its GHG values are less than 647.06 and the average is 177.13. The 33 countries in this quintile accumulate 0.10% of the total GHG for the 161 countries.

Table legend:

- * Sorted in descending order of GHG values
- * Climate change allocation dollar amount M\$ in parenthesis are presented for indicative countries, while the others are group countries marked with (grp)
- * The countries colored in dark red (a) are not Participants in the GEF; or (b) have not previously received GEF resources in the focal area; or (c) do not have any GPI data. See the RAF document GEF/C.27/inf.8/REF.1 for details.
- * Indicative biodiversity countries are marked as well using color blue and also in *Italics*.

Table 5: Quintiles by baseline GHG emission

Quintile 1: baseline emission=24,451.13~1,354,306.12	Quintile 2: baseline emission=7,973.36~22,577.54	Quintile 3: baseline emission=3,251.59~7,584.98	Quintile 4: baseline emission=660.37~3,205.92	Quintile 5: baseline emission<=647.06
<i>China (150)</i> <i>Russian Federation (72.55)</i> <i>India (74.85)</i> <i>Brazil (38.10)</i> <i>Korea, Rep. (grp)</i> <i>Mexico (28.29)</i> <i>Indonesia (16.29)</i> Ukraine (18.86) <i>Iran, Islamic Rep.(16.52)</i> <i>South Africa (23.93)</i> Poland (38.06) <i>Turkey (17.51)</i> <i>Saudi Arabia (grp)</i> <i>Argentina (13.35)</i> <i>Pakistan (13.17)</i> <i>Thailand (14.65)</i> <i>Venezuela, RB (8.79)</i> <i>Nigeria (9.25)</i> Uzbekistan (9.32) <i>Egypt, Arab Rep.(11.45)</i> <i>Malaysia (11.33)</i> <i>Kazakhstan (13.51)</i> <i>Colombia (8.88)</i> Romania (13.89) <i>Vietnam (8.46)</i> <i>Philippines (6.60)</i> <i>Algeria (7.64)</i> Bangladesh (6.67) <i>United Arab Emirates (grp)</i> Korea, Dem. Rep. (6.42) <i>Sudan (5.73)</i> Belarus (7.92)	<i>Myanmar (grp)</i> Hungary (8.24) <i>Israel (grp)</i> <i>Chile (6.08)</i> Bulgaria (8.50) <i>Peru (4.61)</i> <i>Kuwait (grp)</i> Cambodia (3.34) Syrian Arab Republic (4.86) Turkmenistan (grp) <i>Ethiopia (4.87)</i> Libya (grp) Serbia and Montenegro (grp) <i>Tanzania(4.75)</i> <i>Morocco(3.83)</i> <i>Singapore (grp)</i> Azerbaijan(4.12) <i>Kenya (3.44)</i> <i>Congo, Dem. Rep. (grp)</i> <i>Cuba(4.25)</i> Slovak Republic (5.68) <i>Ecuador (grp)</i> <i>Qatar (grp)</i> <i>Bolivia (3.11)</i> <i>Angola (grp)</i> Zimbabwe (grp) <i>Madagascar (grp)</i> Tunisia (grp) Nepal (grp) <i>Cameroon (grp)</i> <i>Dominican Republic (grp)</i> <i>Oman (grp)</i>	<i>Mongolia (grp)</i> <i>Sri Lanka (grp)</i> <i>Uganda (3.09)</i> Croatia (grp) Mali (grp) Paraguay (grp) Uruguay (grp) Yemen, Rep. (grp) Trinidad and Tobago (grp) Jordan (grp) Burkina Faso (grp) <i>Afghanistan (grp)</i> <i>Guatemala (grp)</i> Ghana (grp) Lithuania(3.42) Senegal (grp) <i>Zambia (grp)</i> Chad (grp) <i>Estonia (grp)</i> Lebanon (grp) <i>Bosnia and Herzegovina (grp)</i> <i>Bahrain (grp)</i> Botswana (grp) <i>Mozambique (grp)</i> <i>Cote d'Ivoire (grp)</i> Mauritania (grp) <i>Honduras (grp)</i> <i>Jamaica (grp)</i> <i>Nicaragua (grp)</i> Niger (grp) <i>Costa Rica (grp)</i> Central African Republic (grp)	<i>Panama (grp)</i> El Salvador (grp) Macedonia, FYR (grp) Moldova (grp) <i>Namibia (grp)</i> Latvia (3.18) Gabon (grp) Georgia (grp) Guinea (grp) <i>Papua New Guinea (grp)</i> Tajikistan (grp) <i>Cyprus (grp)</i> Benin (grp) <i>Haiti (grp)</i> <i>Lao PDR (grp)</i> Congo, Rep. (grp) Kyrgyz Republic (grp) <i>Malawi (grp)</i> Armenia (grp) Togo (grp) Sierra Leone (grp) <i>Mauritius (grp)</i> Rwanda (grp) Guyana (grp) Albania (grp) Suriname (grp) <i>Fiji (grp)</i> Swaziland (grp) Burundi (grp) Lesotho (grp) <i>Equatorial Guinea (grp)</i> <i>Liberia (grp)</i>	<i>Malta (grp)</i> <i>Bahamas, The (grp)</i> Guinea-Bissau (grp) Bhutan (grp) Djibouti (grp) Barbados (grp) Gambia, The (grp) Antigua and Barbuda (grp) Belize (grp) <i>Vanuatu (grp)</i> <i>Seychelles (grp)</i> Eritrea (grp) Maldives (grp) St. Lucia (grp) <i>Solomon Islands (grp)</i> Comoros (grp) Grenada (grp) Tonga (grp) <i>Palau (grp)</i> St. Vincent and the Grenadines (grp) Dominica (grp) <i>Nauru (grp)</i> <i>Samoa (grp)</i> <i>Cape Verde (grp)</i> St. Kitts and Nevis (grp) Sao Tome and Principe (grp) <i>Kiribati (grp)</i> <i>Cook Islands (grp)</i> <i>Niue (grp)</i> <i>Micronesia, Fed. Sts. (grp)</i> <i>Marshall Islands (grp)</i> <i>Tuvalu (grp)</i> <i>San Marino (grp)</i>

6. The quintiles by Carbon Intensity adjustment factor

The sum of the carbon intensity adjustment factors (adjustment factor) for the 161 climate change countries is 205.02 with a value range from 0.47 to 9.66. Countries are sorted by the carbon intensity adjustment factors in descending order; 33 countries placed in quintile 5 and 32 in the other quintiles. The quintiles constructed are shown in Table 6 (next page). The quintiles have the following attributes:

- *Quintile 1* is the highest quintile by adjustment factor. Its adjustment factors are ranged from 1.37 to 9.66 with average = 2.24. This quintile is accountable for 35.02% of the total adjustment factor for the 161 climate change countries
- *Quintile 2* ranges from adjustment factor = 1.13 to adjustment factor = 1.35 with average = 1.23. This quintile shares 19.13% of the total adjustment factor
- *Quintile 3* ranges from adjustment factor = 1.03 to adjustment factor = 1.33 with average = 1.08. It collects 16.79% of the total adjustment factor
- *Quintile 4* ranges from adjustment factor = 0.96 to adjustment factor = 1.03 with average = 1.00. The 32 countries in this quintile share 15.55% of the total adjustment factor
- *Quintile 5* is the lowest quintile by adjustment factor. Its adjustment factor values are less than 0.96 and the average is 0.84. The 33 countries in this quintile accumulate 13.51% of the total adjustment factor for the 161 countries.

Table legend:

- * Sorted in descending order of adjustment factors
- * Climate change allocation dollar amount M\$ in parenthesis are presented for indicative countries, while the others are group countries marked with (grp)
- * The countries colored in dark red (a) are not Participants in the GEF; or (b) have not previously received GEF resources in the focal area; or (c) do not have any GPI data. See the RAF document GEF/C.27/inf.8/REF.1 for details.
- * Indicative biodiversity countries are marked as well using color blue and also in *Italics*.

Table 6: Quintiles by carbon intensity factor

Quintile 1: adjustment factor=1.37~9.66	Quintile 2: adjustment factor=1.13~1.35	Quintile 3: adjustment factor=1.03~1.13	Quintile 4: adjustment factor=0.96~1.03	Quintile 5: adjustment factor<=0.96
Eritrea (grp)	Mali (grp)	Syrian Arab Republic (4.86)	Korea, Rep. (grp)	Swaziland (grp)
<i>Cape Verde (grp)</i>	<i>Singapore (grp)</i>	<i>Chile (6.08)</i>	<i>Guatemala (grp)</i>	<i>Israel (grp)</i>
Armenia (grp)	Hungary (8.24)	<i>Kenya (3.44)</i>	<i>Pakistan (13.17)</i>	Sierra Leone (grp)
<i>Samoa (grp)</i>	<i>Ethiopia (4.87)</i>	<i>Nigeria (9.25)</i>	<i>Panama (grp)</i>	<i>Thailand (14.65)</i>
Latvia (3.18)	Rwanda (grp)	<i>Zambia (grp)</i>	Guyana (grp)	Comoros (grp)
Georgia (grp)	Yemen, Rep. (grp)	Niger (grp)	Korea, Dem. Rep.(6.42)	<i>Ecuador (grp)</i>
<i>Estonia (grp)</i>	<i>India (74.85)</i>	<i>Egypt, Arab Rep. (11.45)</i>	<i>Myanmar (grp)</i>	Uruguay (grp)
<i>Liberia (grp)</i>	Nepal (grp)	Central African Republic (grp)	Cambodia(3.34)	Antigua and Barbuda (grp)
Tajikistan (grp)	Zimbabwe (grp)	<i>Cyprus (grp)</i>	<i>Libya (grp)</i>	Belize (grp)
Kyrgyz Republic (grp)	<i>Russian Federation (72.55)</i>	Uzbekistan (9.32)	<i>Serbia and Montenegro (grp)</i>	Ghana (grp)
Poland (38.06)	Gabon (grp)	<i>Malaysia (11.33)</i>	<i>Cuba (4.25)</i>	<i>Vanuatu (grp)</i>
<i>Mozambique (grp)</i>	<i>Tanzania (4.75)</i>	<i>Brazil (38.10)</i>	<i>Qatar (grp)</i>	<i>Kuwait (grp)</i>
<i>Kazakhstan (13.51)</i>	<i>Malta (grp)</i>	<i>Honduras (grp)</i>	<i>Afghanistan (grp)</i>	<i>Iran, Islamic Rep.(16.52)</i>
<i>China (150)</i>	Burkina Faso (grp)	<i>Bahrain (grp)</i>	<i>Bosnia and Herzegovina (grp)</i>	<i>Mongolia (grp)</i>
Moldova (grp)	Guinea (grp)	<i>Peru(4.61)</i>	Maldives (grp)	<i>Oman (grp)</i>
Belarus (7.92)	<i>Vietnam (8.46)</i>	Senegal (grp)	<i>Nauru (grp)</i>	Guinea-Bissau (grp)
Slovak Republic (5.68)	<i>Namibia (grp)</i>	Benin (grp)	<i>Cook Islands (grp)</i>	<i>Fiji (grp)</i>
Romania (13.89)	Lesotho (grp)	<i>Bahamas, The (grp)</i>	Niue (grp)	United Arab Emirates (grp)
<i>Equatorial Guinea (grp)</i>	<i>Bolivia(3.11)</i>	<i>Turkey(17.51)</i>	Micronesia, Fed. Sts. (grp)	<i>Venezuela, RB (8.79)</i>
Lithuania (3.42)	<i>Palau (grp)</i>	Paraguay (grp)	<i>Marshall Islands (grp)</i>	Djibouti (grp)
Sao Tome and Principe (grp)	Jordan (grp)	Tonga (grp)	<i>Tuvalu (grp)</i>	<i>Jamaica (grp)</i>
Bulgaria (8.50)	<i>Kiribati (grp)</i>	<i>Colombia(8.88)</i>	<i>San Marino (grp)</i>	Grenada (grp)
<i>Uganda (3.09)</i>	<i>Nicaragua (grp)</i>	Chad (grp)	<i>Argentina (13.35)</i>	<i>Saudi Arabia (grp)</i>
Bhutan (grp)	<i>Dominican Republic (grp)</i>	<i>South Africa (23.93)</i>	<i>Cote d'Ivoire (grp)</i>	<i>Solomon Islands (grp)</i>
St. Kitts and Nevis (grp)	Gambia, The (grp)	El Salvador (grp)	<i>Sri Lanka (grp)</i>	<i>Haiti (grp)</i>
<i>Costa Rica (grp)</i>	<i>Malawi (grp)</i>	<i>Philippines (6.60)</i>	<i>Madagascar (grp)</i>	Lebanon (grp)
<i>Lao PDR (grp)</i>	Bangladesh (6.67)	<i>Mauritius (grp)</i>	<i>Cameroon (grp)</i>	Burundi (grp)
Botswana (grp)	Trinidad and Tobago (grp)	<i>Papua New Guinea (grp)</i>	Togo (grp)	Dominica (grp)
Albania (grp)	Croatia (grp)	<i>Algeria (7.64)</i>	Barbados (grp)	Congo, Rep. (grp)
<i>Sudan (5.73)</i>	Tunisia (grp)	Ukraine (18.86)	Turkmenistan (grp)	<i>Congo, Dem. Rep. (grp)</i>
Mauritania (grp)	Macedonia, FYR (grp)	Suriname (grp)	<i>Indonesia (16.29)</i>	St. Vincent and the Grenadines (grp)
Azerbaijan (4.12)	<i>Mexico (28.29)</i>	<i>Morocco(3.83)</i>	<i>Angola (grp)</i>	St. Lucia (grp)
				<i>Seychelles (grp)</i>