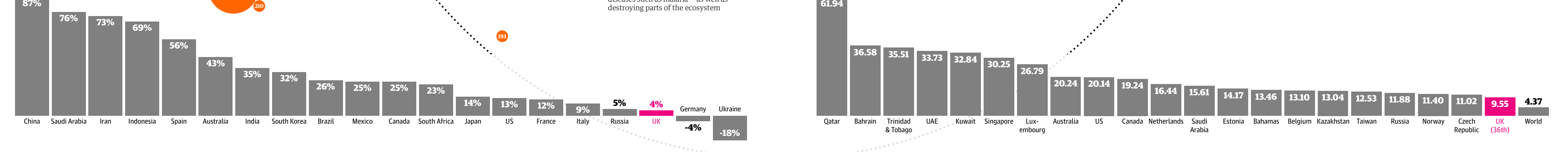
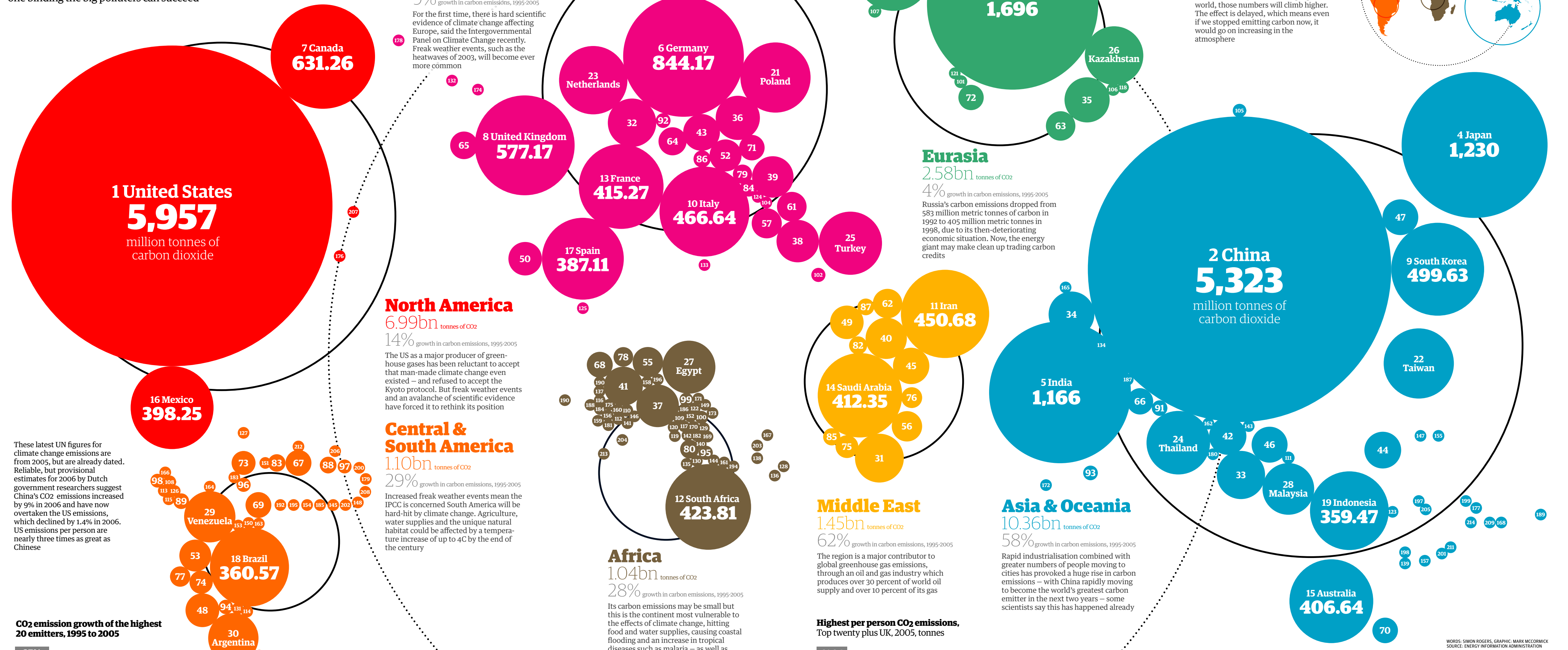


Hot spots - the carbon atlas

This week's Bali meeting highlighted just how difficult it will be to secure an international agreement to reduce greenhouse gas levels by enough to save the earth from catastrophic temperature rises. This map, showing countries according to their emissions, shows why an international deal is needed - and why only one binding the big polluters can succeed



The carbon list

| Rank | Country | Million tonnes CO ₂ | Tonnes per person |
|------|----------------------|--------------------------------|-------------------|
| 1 | United States | 5,957 | 20.14 |
| 2 | China | 5,323 | 1.57 |
| 3 | Russia | 1,696 | 0.29 |
| 4 | Japan | 1,230 | 0.10 |
| 5 | India | 1,166 | 0.10 |
| 6 | Germany | 844.17 | 12.22 |
| 7 | Canada | 631.26 | 19.24 |
| 8 | Iran | 450.68 | 15.61 |
| 9 | South Korea | 499.63 | 14.17 |
| 10 | Italy | 466.64 | 12.22 |
| 11 | Iran | 450.68 | 15.61 |
| 12 | South Africa | 423.81 | 10.98 |
| 13 | France | 415.27 | 12.22 |
| 14 | Saudi Arabia | 412.35 | 15.61 |
| 15 | Australia | 406.64 | 12.53 |
| 16 | Mexico | 398.25 | 11.88 |
| 17 | Spain | 387.11 | 11.40 |
| 18 | Brazil | 360.57 | 10.98 |
| 19 | Indonesia | 359.47 | 10.98 |
| 20 | Venezuela | 360.57 | 10.98 |
| 21 | Poland | 312.83 | 9.35 |
| 22 | Taiwan | 284.40 | 8.81 |
| 23 | Netherlands | 232.83 | 7.39 |
| 24 | Thailand | 232.83 | 7.39 |
| 25 | Turkey | 232.83 | 7.39 |
| 26 | Kazakhstan | 232.83 | 7.39 |
| 27 | Egypt | 232.83 | 7.39 |
| 28 | Malaysia | 232.83 | 7.39 |
| 29 | Venezuela | 360.57 | 10.98 |
| 30 | Argentina | 210 | 6.01 |
| 31 | United Arab Emirates | 137.82 | 3.75 |
| 32 | Qatar | 137.82 | 3.75 |
| 33 | Singapore | 137.82 | 3.75 |
| 34 | UAE | 137.82 | 3.75 |
| 35 | Kuwait | 137.82 | 3.75 |
| 36 | Saudi Arabia | 137.82 | 3.75 |
| 37 | Iran | 137.82 | 3.75 |
| 38 | Greenland | 10.47 | 0.59 |
| 39 | Romania | 4.45 | 0.15 |
| 40 | Portugal | 6.15 | 0.21 |
| 41 | Hungary | 5.08 | 0.17 |
| 42 | Belarus | 6.26 | 0.22 |
| 43 | Serbia & Montenegro | 4.85 | 0.16 |
| 44 | Norway | 5.25 | 0.18 |
| 45 | Finland | 10.00 | 0.34 |
| 46 | Denmark | 5.09 | 0.17 |
| 47 | Bulgaria | 6.78 | 0.24 |
| 48 | Switzerland | 6.13 | 0.22 |
| 49 | Ireland | 10.98 | 0.34 |
| 50 | Slovakia | 3.87 | 0.13 |
| 51 | Croatia | 4.77 | 0.16 |
| 52 | Bosnia & Herzegovina | 3.94 | 0.14 |
| 53 | Latvia | 1.06 | 0.03 |
| 54 | Tajikistan | 2.09 | 0.07 |
| 55 | Moldova | 1.65 | 0.05 |
| 56 | Cyprus | 1.13 | 0.03 |
| 57 | Malta | 1.01 | 0.03 |
| 58 | Greece | 9.67 | 0.31 |
| 59 | Romania | 4.45 | 0.15 |
| 60 | Portugal | 6.15 | 0.21 |
| 61 | Hungary | 5.08 | 0.17 |
| 62 | Belarus | 6.26 | 0.22 |
| 63 | Serbia & Montenegro | 4.85 | 0.16 |
| 64 | Norway | 5.25 | 0.18 |
| 65 | Finland | 10.00 | 0.34 |
| 66 | Denmark | 5.09 | 0.17 |
| 67 | Bulgaria | 6.78 | 0.24 |
| 68 | Switzerland | 6.13 | 0.22 |
| 69 | Ireland | 10.98 | 0.34 |
| 70 | Slovakia | 3.87 | 0.13 |
| 71 | Croatia | 4.77 | 0.16 |
| 72 | Bosnia & Herzegovina | 3.94 | 0.14 |
| 73 | Latvia | 1.06 | 0.03 |
| 74 | Tajikistan | 2.09 | 0.07 |
| 75 | Moldova | 1.65 | 0.05 |
| 76 | Cyprus | 1.13 | 0.03 |
| 77 | Malta | 1.01 | 0.03 |
| 78 | Faroe Islands | 14.54 | 0.68 |
| 79 | Greenland | 10.47 | 0.59 |
| 80 | Guinea | 0.14 | 0.00 |
| 81 | Niger | 0.10 | 0.00 |
| 82 | Sierra Leone | 0.09 | 0.00 |
| 83 | Burkina Faso | 0.09 | 0.00 |
| 84 | Swaziland | 1.00 | 0.03 |
| 85 | Seychelles | 11.36 | 0.52 |
| 86 | Malawi | 0.07 | 0.00 |
| 87 | Rwanda | 0.08 | 0.00 |
| 88 | Gabon | 0.08 | 0.00 |
| 89 | Eritrea | 0.17 | 0.00 |
| 90 | Equatorial Guinea | 9.20 | 0.42 |
| 91 | Ethiopia | 0.06 | 0.00 |
| 92 | Mauritius | 3.26 | 0.12 |
| 93 | Tanzania | 0.11 | 0.00 |
| 94 | Botswana | 2.23 | 0.09 |
| 95 | Namibia | 1.32 | 0.05 |
| 96 | Reunion | NA | 2.65 |
| 97 | Mauritania | 0.85 | 0.03 |
| 98 | The Gambia | 0.30 | 0.01 |
| 99 | Cape Verde | 0.14 | 0.00 |
| 100 | Zambia | 0.22 | 0.01 |
| 101 | Togo | 0.44 | 0.02 |
| 102 | Dem Rep Congo | 0.04 | 0.00 |
| 103 | Mozambique | 0.11 | 0.00 |
| 104 | Benin | 0.30 | 0.01 |
| 105 | Angola | 1.74 | 0.08 |
| 106 | Djibouti | 4.09 | 0.16 |
| 107 | Zimbabwe | 0.97 | 0.03 |
| 108 | Guinea | 0.14 | 0.00 |
| 109 | Niger | 0.10 | 0.00 |
| 110 | Sierra Leone | 0.09 | 0.00 |
| 111 | Burkina Faso | 0.09 | 0.00 |
| 112 | Swaziland | 1.00 | 0.03 |
| 113 | Seychelles | 11.36 | 0.52 |
| 114 | Malawi | 0.07 | 0.00 |
| 115 | Rwanda | 0.08 | 0.00 |
| 116 | Gabon | 0.08 | 0.00 |
| 117 | Eritrea | 0.17 | 0.00 |
| 118 | Equatorial Guinea | 9.20 | 0.42 |
| 119 | Ethiopia | 0.06 | 0.00 |
| 120 | Mauritius | 3.26 | 0.12 |
| 121 | Tanzania | 0.11 | 0.00 |
| 122 | Botswana | 2.23 | 0.09 |
| 123 | Namibia | 1.32 | 0.05 |
| 124 | Reunion | NA | 2.65 |
| 125 | Mauritania | 0.85 | 0.03 |
| 126 | The Gambia | 0.30 | 0.01 |
| 127 | Cape Verde | 0.14 | 0.00 |
| 128 | Zambia | 0.22 | 0.01 |
| 129 | Togo | 0.44 | 0.02 |
| 130 | Dem Rep Congo | 0.04 | 0.00 |
| 131 | Mozambique | 0.11 | 0.00 |
| 132 | Benin | 0.30 | 0.01 |
| 133 | Angola | 1.74 | 0.08 |
| 134 | Djibouti | 4.09 | 0.16 |
| 135 | Zimbabwe | 0.97 | 0.03 |
| 136 | Guinea | 0.14 | 0.00 |
| 137 | Niger | 0.10 | 0.00 |
| 138 | Sierra Leone | 0.09 | 0.00 |
| 139 | Burkina Faso | 0.09 | 0.00 |
| 140 | Swaziland | 1.00 | 0.03 |
| 141 | Seychelles | 11.36 | 0.52 |
| 142 | Malawi | 0.07 | 0.00 |
| 143 | Rwanda | 0.08 | 0.00 |
| 144 | Gabon | 0.08 | 0.00 |
| 145 | Eritrea | 0.17 | 0.00 |
| 146 | Equatorial Guinea | 9.20 | 0.42 |
| 147 | Ethiopia | 0.06 | 0.00 |
| 148 | Mauritius | 3.26 | 0.12 |
| 149 | Tanzania | 0.11 | 0.00 |
| 150 | Botswana | 2.23 | 0.09 |
| 151 | Namibia | 1.32 | 0.05 |
| 152 | Reunion | NA | 2.65 |
| 153 | Mauritania | 0.85 | 0.03 |
| 154 | The Gambia | 0.30 | 0.01 |
| 155 | Cape Verde | 0.14 | 0.00 |
| 156 | Zambia | 0.22 | 0.01 |
| 157 | Togo | 0.44 | 0.02 |
| 158 | Dem Rep Congo | 0.04 | 0.00 |
| 159 | Mozambique | 0.11 | 0.00 |
| 160 | Benin | 0.30 | 0.01 |
| 161 | Angola | 1.74 | 0.08 |
| 162 | Djibouti | 4.09 | 0.16 |
| 163 | Zimbabwe | 0.97 | 0.03 |
| 164 | Guinea | 0.14 | 0.00 |
| 165 | Niger | 0.10 | 0.00 |
| 166 | Sierra Leone | 0.09 | 0.00 |
| 167 | Burkina Faso | 0.09 | 0.00 |
| 168 | Swaziland | 1.00 | 0.03 |
| 169 | Seychelles | 11.36 | 0.52 |
| 170 | Malawi | 0.07 | 0.00 |
| 171 | Rwanda | 0.08 | 0.00 |
| 172 | Gabon | 0.08 | 0.00 |
| 173 | Eritrea | 0.17 | 0.00 |
| 174 | Equatorial Guinea | 9.20 | 0.42 |
| 175 | Ethiopia | 0.06 | 0.00 |
| 176 | Mauritius | 3.26 | 0.12 |
| 177 | Tanzania | 0.11 | 0.00 |
| 178 | Botswana | 2.23 | 0.09 |
| 179 | Namibia | 1.32 | 0.05 |
| 180 | Reunion | NA | 2.65 |
| 181 | Mauritania | 0.85 | 0.03 |
| 182 | The Gambia | 0.30 | 0.01 |
| 183 | Cape Verde | 0.14 | 0.00 |
| 184 | Zambia | 0.22 | 0.01 |
| 185 | Togo | 0.44 | 0.02 |
| 186 | Dem Rep Congo | 0.04 | 0.00 |
| 187 | Mozambique | 0.11 | 0.00 |
| 188 | Benin | 0.30 | 0.01 |
| 189 | Angola | 1.74 | 0.08 |
| 190 | Djibouti | 4.09 | 0.16 |
| 191 | Zimbabwe | 0.97 | 0.03 |
| 192 | Guinea | 0.14 | 0.00 |
| 193 | Niger | 0.10 | 0.00 |
| 194 | Sierra Leone | 0.09 | 0.00 |
| 195 | Burkina Faso | 0.09 | 0.00 |
| 196 | Swaziland | 1.00 | 0.03 |
| 197 | Seychelles | 11.36 | 0.52 |
| 198 | Malawi | 0.07 | 0.00 |
| 199 | Rwanda | 0.08 | 0.00 |
| 200 | Gabon | 0.08 | 0.00 |
| 201 | Eritrea | 0.17 | 0.00 |
| 202 | Equatorial Guinea | 9.20 | 0.42 |
| 203 | Ethiopia | 0.06 | 0.00 |
| 204 | Mauritius | 3.26 | 0.12 |
| 205 | Tanzania | 0.11 | 0.00 |
| 206 | Botswana | 2.23 | 0.09 |
| 207 | Namibia | 1.32 | 0.05 |
| 208 | Reunion | NA | 2.65 |
| 209 | Mauritania | 0.85 | 0.03 |
| 210 | The Gambia | 0.30 | 0.01 |
| 211 | Cape Verde | 0.14 | 0.00 |
| 212 | Zambia | 0.22 | 0.01 |
| 213 | Togo | 0.44 | 0.02 |
| 214 | Dem Rep Congo | 0.04 | 0.00 |
| 215 | Mozambique | 0.11 | 0.00 |
| 216 | Benin | 0.30 | 0.01 |
| 217 | Angola | 1.74 | 0.08 |
| 218 | Djibouti | 4.09 | 0.16 |
| 219 | Zimbabwe | 0.97 | 0.03 |
| 220 | Guinea | 0.14 | 0.00 |
| 221 | Niger | 0.10 | 0.00 |
| 222 | Sierra Leone | 0.09 | 0.00 |
| 223 | Burkina Faso | 0.09 | 0.00 |
| 224 | Swaziland | 1.00 | 0.03 |
| 225 | Seychelles | 11.36 | 0.52 |
| 226 | Malawi | 0.07 | 0.00 |
| 227 | Rwanda | 0.08 | 0.00 |
| 228 | Gabon | 0.08 | 0.00 |
| 229 | Eritrea | 0.17 | 0.00 |
| 230 | Equatorial Guinea | 9.20 | 0.42 |
| 231 | Ethiopia | 0.06 | 0.00 |
| 232 | Mauritius | 3.26 | 0.12 |
| 233 | Tanzania | 0.11 | 0.00 |
| 234 | Botswana | 2.23 | 0.09 |
| 235 | Namibia | 1.32 | 0.05 |
| 236 | Reunion | NA | 2.65 |
| 237 | Mauritania | 0.85 | 0.03 |
| 238 | The Gambia | 0.30 | 0.01 |
| 239 | Cape Verde | 0.14 | 0.00 |
| 240 | Zambia | 0.22 | 0.01 |
| 241 | Togo | 0.44 | 0.02 |
| 242 | Dem Rep Congo | 0.04 | 0.00 |
| 243 | Mozambique | 0.11 | 0.00 |
| 244 | Benin | 0.30 | 0.01 |
| 245 | Angola | 1.74 | 0.08 |
| 246 | Djibouti | 4.09 | 0.16 |
| 247 | Zimbabwe | 0.97 | 0.03 |
| 248 | Guinea | 0.14 | 0.00 |
| 249 | Niger | 0.10 | 0.00 |
| 250 | Sierra Leone | 0.09 | 0.00 |
| 251 | Burkina Faso | 0.09 | 0.00 |
| 252 | Swaziland | 1.00 | 0.03 |
| 253 | Seychelles | 11.36 | 0.52 |
| 254 | Malawi | 0.07 | 0.00 |
| 255 | Rwanda | 0.08 | 0.00 |
| 256 | Gabon | 0.08 | 0.00 |
| 257 | Eritrea | 0.17 | 0.00 |
| 258 | Equatorial Guinea | 9.20 | 0.42 |
| 259 | Ethiopia | 0.06 | 0.00 |
| 260 | Mauritius | 3.26 | 0.12 |
| 261 | Tanzania | 0.11 | 0.00 |
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| 268 | Zambia | 0.22 | 0.01 |
| 269 | Togo | 0.44 | 0.02 |
| 270 | Dem Rep Congo | 0.04 | 0.00 |