



**Results of the 29th Annual  
“Questionnaire on Environmental Problems and the Survival of  
Humankind”**

Data

September 2020

**THE ASAHI GLASS FOUNDATION**



## V. Data

### Number of Respondents Surveyed and Country of Resic

| Region            | Country                                | Total       |
|-------------------|--|-------------|
| Africa            | ALGERIA                                | 1           |
|                   | BENIN                                  | 1           |
|                   | BOTSWANA                               | 2           |
|                   | BURKINA FASO                           | 4           |
|                   | CAMEROON                               | 5           |
|                   | COTE DIVOIRE                           | 6           |
|                   | DEMOCRATIC<br>REPUBLIC OF THE<br>CONGO | 2           |
|                   | ETHIOPIA                               | 3           |
|                   | GABON                                  | 1           |
|                   | GUINEA                                 | 2           |
|                   | KENYA                                  | 8           |
|                   | MADAGASCAR                             | 2           |
|                   | MALI                                   | 3           |
|                   | MAURITIUS                              | 1           |
|                   | MOROCCO                                | 3           |
|                   | MOZAMBIQUE                             | 3           |
|                   | NAMIBIA                                | 1           |
|                   | NIGERIA                                | 6           |
|                   | RWANDA                                 | 2           |
|                   | SENEGAL                                | 1           |
|                   | SEYCHELLES                             | 2           |
|                   | SOUTH AFRICA                           | 13          |
|                   | TANZANIA                               | 4           |
|                   | TUNISIA                                | 3           |
|                   | UGANDA                                 | 2           |
|                   | ZAMBIA                                 | 4           |
|                   | ZIMBABWE                               | 1           |
|                   | <b>Africa Total</b>                    |             |
| Asia              | BANGLADESH                             | 5           |
|                   | BHUTAN                                 | 2           |
|                   | BRUNEI                                 | 1           |
|                   | CAMBODIA                               | 3           |
|                   | CHINA                                  | 408         |
|                   | HONG KONG                              | 2           |
|                   | INDIA                                  | 52          |
|                   | INDONESIA                              | 4           |
|                   | JAPAN                                  | 365         |
|                   | KOREA                                  | 33          |
|                   | LAOS                                   | 1           |
|                   | MALAYSIA                               | 14          |
|                   | MONGOLIA                               | 1           |
|                   | MYANMAR                                | 1           |
|                   | NEPAL                                  | 8           |
|                   | PAKISTAN                               | 9           |
|                   | PHILIPPINES                            | 8           |
|                   | SINGAPORE                              | 2           |
|                   | SRI LANKA                              | 2           |
|                   | TAIWAN                                 | 82          |
| THAILAND          | 10                                     |             |
| VIETNAM           | 4                                      |             |
| <b>Asia Total</b> |  | <b>1017</b> |

| Region   | Country  | Total      |
|--|--|------------|
| Central<br>America &<br>The<br>Caribbean         | ANTIGUA AND<br>BARBUDA                               | 1          |
|  | BELIZE   | 1          |
| Caribbean  | BONAIRE  | 1          |
|  | COSTA RICA   | 15         |
|  | CUBA   | 2          |
|  | DOMINICAN<br>REPUBLIC                                | 2          |
|  | EL SALVADOR  | 5          |
|  | GRENADA  | 1          |
|  | GUATEMALA  | 7          |
|  | HONDURAS   | 2          |
|  | MEXICO   | 30         |
|  | NICARAGUA  | 2          |
|  | PANAMA   | 3          |
|  | PUERTO RICO  | 2          |
|  | SINT EUSTATIUS                                       | 1          |
|  | TRINIDAD AND<br>TOBAGO                               | 1          |
|  | <b>Central America &amp;<br/>The Caribbean Total</b> |            |
| Eastern<br>Europe &<br>Former<br>Soviet<br>Union | ALBANIA  | 2          |
|  | ARMENIA  | 1          |
| Europe &<br>Former<br>Soviet<br>Union            | AZERBAIJAN   | 1          |
|  | BOSNIA   | 1          |
|  | HERZEGOVINA  | 1          |
|  | BULGARIA   | 1          |
|  | CROATIA  | 3          |
|  | CZECH  | 3          |
|  | HUNGARY  | 4          |
|  | KAZAKHSTAN   | 1          |
|  | LITHUANIA  | 1          |
|  | MOLDOVA  | 1          |
|  | MONTENEGRO   | 4          |
|  | NORTH MACEDONIA                                      | 2          |
|  | POLAND   | 4          |
|  | ROMANIA  | 2          |
|  | RUSSIA   | 5          |
|  | SERBIA   | 3          |
|  | SLOVAKIA   | 2          |
|  | SLOVENIA   | 1          |
|  | TAJIKISTAN   | 1          |
|  | TURKMENISTAN   | 1          |
| UKRAINE  | 2  |            |
| <b>Eastern Europe &amp; Former Soviet Union</b>  |  | <b>46</b>  |
| Western Europe                                   | AUSTRIA  | 10         |
|  | BELGIUM  | 5          |
|  | DENMARK  | 2          |
|  | FINLAND  | 4          |
|  | FRANCE   | 18         |
|  | GERMANY  | 25         |
|  | GREECE   | 5          |
|  | ICELAND  | 2          |
|  | IRELAND  | 3          |
|  | ITALY  | 16         |
|  | JERSEY   | 1          |
|  | LUXEMBOURG   | 1          |
|  | MALTA  | 1          |
|  | NORWAY   | 4          |
|  | PORTUGAL   | 13         |
|  | SPAIN  | 22         |
|  | SWEDEN   | 7          |
|  | SWITZERLAND  | 24         |
|  | THE NETHERLANDS                                      | 15         |
|  | UK   | 45         |
| <b>Western Europe Total</b>                      |  | <b>223</b> |

| Region                     | Country       | Total      |
|----------------------------|---------------|------------|
| Middle East                | BAHRAIN       | 2          |
|                            | CYPRUS        | 3          |
|                            | IRAN          | 3          |
|                            | IRAQ          | 1          |
|                            | ISRAEL        | 7          |
|                            | JORDAN        | 3          |
|                            | LEBANON       | 2          |
|                            | SAUDI ARABIA  | 1          |
|                            | SYRIA         | 2          |
|                            | TURKEY        | 3          |
| UNITED ARAB<br>EMIRATES    | 1             |            |
| <b>Middle East Total</b>   |               | <b>28</b>  |
| North America              | CANADA        | 40         |
|                            | USA           | 136        |
| <b>North America Total</b> |               | <b>176</b> |
| Oceania                    | AUSTRALIA     | 35         |
|                            | FIJI          | 1          |
|                            | NEW CALEDONIA | 2          |
|                            | NEW ZEALAND   | 10         |
| SOLOMON                    | 1             |            |
| <b>Oceania Total</b>       |               | <b>49</b>  |
| South America              | ARGENTINA     | 12         |
|                            | BOLIVIA       | 7          |
|                            | BRAZIL        | 31         |
|                            | CHILE         | 6          |
|                            | COLOMBIA      | 18         |
|                            | ECUADOR       | 10         |
|                            | GUYANA        | 2          |
|                            | PARAGUAY      | 2          |
|                            | PERU          | 16         |
|                            | SURINAME      | 1          |
| URUGUAY                    | 3             |            |
| VENEZUELA                  | 4             |            |
| <b>South America Total</b> |               | <b>112</b> |

## 1-1. Awareness of the crisis facing human survival - Environmental Doomsday Clock

In Table 1 on page 33, “Environmental issues to be taken into account” are shown. Keeping in mind the problems that the environment faces at a global level, please select the three most pressing issues for the country or the region where you reside. Then, please rank them in the order of importance. Lastly, for each item, select a time using hours and minutes between 0:10 to 12:00, to indicate the level of crisis for that issue. For the purpose of calculating results, please select your times in units of no less than 10 minutes.

### Rank 1 Category

|   | World  | Oceania   |                            |        | North America |                            |       | Central America & The Caribbean | South America | Western Europe |       |       | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |               |       |      | Unit: % |      |
|---|--------|-----------|----------------------------|--------|---------------|----------------------------|-------|---------------------------------|---------------|----------------|-------|-------|--------|-------------|--------------------------------------|------------|-------|---------------|-------|------|---------|------|
|   |        | Australia | Oceania (except Australia) | Canada | USA           | Western Europe (except UK) | UK    |                                 |               | Japan          | India | China |        |             |                                      | Taiwan     | Korea | Asian Region* |       |      |         |      |
| Number of Response                                      | [1813] | [49]      | [35]                       | [14]   | [176]         | [40]                       | [136] | [76]                            | [112]         | [223]          | [178] | [45]  | [86]   | [28]        | [46]                                 | [1017]     | [365] | [52]          | [408] | [82] | [33]    | [77] |
| Number of Valid Response                                | [1812] | [49]      | [35]                       | [14]   | [176]         | [40]                       | [136] | [76]                            | [112]         | [223]          | [178] | [45]  | [86]   | [28]        | [46]                                 | [1016]     | [364] | [52]          | [408] | [82] | [33]    | [77] |
| 1. Climate Change                                       | 46     | 57        | 57                         | 57     | 56            | 40                         | 60    | 36                              | 19            | 47             | 44    | 56    | 49     | 25          | 26                                   | 49         | 68    | 37            | 31    | 59   | 73      | 35   |
| 2. Biosphere Integrity (Biodiversity)                   | 13     | 27        | 20                         | 43     | 15            | 23                         | 13    | 24                              | 16            | 24             | 25    | 20    | 13     | 21          | 20                                   | 7          | 8     | 8             | 5     | 0    | 6       | 22   |
| 3. Land-System Change (Land Use)                        | 5      | 2         | 3                          | 0      | 1             | 5                          | 0     | 9                               | 29            | 6              | 7     | 2     | 8      | 11          | 7                                    | 3          | 2     | 13            | 1     | 1    | 0       | 6    |
| 4. Biochemical flows (Pollution/Contamination)          | 6      | 0         | 0                          | 0      | 2             | 0                          | 2     | 4                               | 1             | 3              | 3     | 0     | 3      | 4           | 13                                   | 8          | 2     | 4             | 13    | 22   | 12      | 1    |
| 5. Water Resources                                      | 6      | 4         | 6                          | 0      | 2             | 3                          | 2     | 9                               | 6             | 2              | 2     | 2     | 5      | 29          | 4                                    | 7          | 2     | 10            | 13    | 5    | 3       | 6    |
| 6. Population   | 7      | 6         | 9                          | 0      | 8             | 3                          | 10    | 7                               | 5             | 6              | 7     | 0     | 10     | 7           | 4                                    | 8          | 4     | 17            | 10    | 6    | 0       | 9    |
| 7. Food   | 3      | 0         | 0                          | 0      | 0             | 0                          | 0     | 0                               | 3             | 0              | 0     | 0     | 1      | 0           | 0                                    | 5          | 2     | 0             | 9     | 1    | 0       | 3    |
| 8. Lifestyle (Consumption Habits)                       | 4      | 0         | 0                          | 0      | 5             | 10                         | 3     | 4                               | 4             | 6              | 6     | 7     | 0      | 0           | 11                                   | 4          | 2     | 4             | 7     | 1    | 6       | 3    |
| 9. Society, Economy and Environment, Policies, Measures | 10     | 4         | 6                          | 0      | 12            | 18                         | 10    | 8                               | 18            | 7              | 5     | 13    | 10     | 4           | 15                                   | 9          | 9     | 8             | 10    | 5    | 0       | 14   |
| No Response   | 0      | 0         | 0                          | 0      | 0             | 0                          | 0     | 0                               | 0             | 0              | 0     | 0     | 0      | 0           | 0                                    | 0          | 0     | 0             | 0     | 0    | 0       | 0    |
| Time for Rank 1 Category                                | 10:16  | 10:47     | 11:06                      | 9:58   | 10:56         | 10:49                      | 10:59 | 10:13                           | 9:59          | 10:24          | 10:27 | 10:14 | 9:03   | 10:00       | 9:58                                 | 10:16      | 10:12 | 9:32          | 10:38 | 9:35 | 10:20   | 9:45 |

\*excl. Japan, India, China, Taiwan, and Korea

### Rank 2 Category

|   | World  | Oceania   |                            |        | North America |                            |       | Central America & The Caribbean | South America | Western Europe |       |       | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |               |       |      | Unit: % |      |
|---|--------|-----------|----------------------------|--------|---------------|----------------------------|-------|---------------------------------|---------------|----------------|-------|-------|--------|-------------|--------------------------------------|------------|-------|---------------|-------|------|---------|------|
|   |        | Australia | Oceania (except Australia) | Canada | USA           | Western Europe (except UK) | UK    |                                 |               | Japan          | India | China |        |             |                                      | Taiwan     | Korea | Asian Region* |       |      |         |      |
| Number of Response                                      | [1813] | [49]      | [35]                       | [14]   | [176]         | [40]                       | [136] | [76]                            | [112]         | [223]          | [178] | [45]  | [86]   | [28]        | [46]                                 | [1017]     | [365] | [52]          | [408] | [82] | [33]    | [77] |
| Number of Valid Response                                | [1805] | [49]      | [35]                       | [14]   | [176]         | [40]                       | [136] | [76]                            | [112]         | [223]          | [178] | [45]  | [86]   | [28]        | [46]                                 | [1009]     | [364] | [52]          | [402] | [82] | [32]    | [77] |
| 1. Climate Change                                       | 15     | 18        | 17                         | 21     | 18            | 20                         | 17    | 26                              | 18            | 17             | 18    | 13    | 14     | 25          | 11                                   | 14         | 13    | 15            | 12    | 12   | 18      | 23   |
| 2. Biosphere Integrity (Biodiversity)                   | 17     | 35        | 37                         | 29     | 24            | 15                         | 26    | 18                              | 21            | 26             | 24    | 36    | 21     | 11          | 15                                   | 12         | 16    | 17            | 8     | 11   | 12      | 12   |
| 3. Land-System Change (Land Use)                        | 9      | 12        | 11                         | 14     | 7             | 8                          | 7     | 14                              | 19            | 11             | 12    | 7     | 21     | 14          | 17                                   | 6          | 7     | 8             | 3     | 7    | 6       | 10   |
| 4. Biochemical flows (Pollution/Contamination)          | 11     | 4         | 3                          | 7      | 4             | 8                          | 3     | 4                               | 3             | 5              | 6     | 2     | 2      | 11          | 9                                    | 16         | 14    | 2             | 17    | 35   | 24      | 8    |
| 5. Water Resources                                      | 13     | 14        | 11                         | 21     | 8             | 5                          | 9     | 17                              | 15            | 6              | 6     | 7     | 16     | 21          | 17                                   | 14         | 8     | 19            | 21    | 12   | 6       | 16   |
| 6. Population   | 9      | 8         | 9                          | 7      | 11            | 10                         | 12    | 0                               | 3             | 9              | 6     | 18    | 9      | 7           | 7                                    | 10         | 7     | 17            | 14    | 4    | 0       | 9    |
| 7. Food   | 4      | 0         | 0                          | 0      | 1             | 0                          | 1     | 3                               | 2             | 0              | 0     | 0     | 3      | 0           | 0                                    | 7          | 7     | 8             | 9     | 2    | 3       | 1    |
| 8. Lifestyle (Consumption Habits)                       | 9      | 2         | 3                          | 0      | 9             | 15                         | 7     | 7                               | 10            | 12             | 13    | 7     | 3      | 0           | 13                                   | 10         | 12    | 2             | 9     | 7    | 24      | 1    |
| 9. Society, Economy and Environment, Policies, Measures | 11     | 6         | 9                          | 0      | 18            | 20                         | 18    | 11                              | 10            | 13             | 13    | 11    | 9      | 11          | 11                                   | 10         | 15    | 12            | 5     | 9    | 3       | 19   |
| No Response   | 0      | 0         | 0                          | 0      | 0             | 0                          | 0     | 0                               | 0             | 0              | 0     | 0     | 0      | 0           | 0                                    | 1          | 0     | 0             | 1     | 0    | 3       | 0    |
| Time for Rank 2 Category                                | 9:29   | 10:07     | 10:20                      | 9:34   | 10:19         | 9:58                       | 10:26 | 9:17                            | 9:14          | 9:46           | 9:41  | 10:07 | 8:12   | 9:22        | 9:11                                 | 9:25       | 9:32  | 9:07          | 9:39  | 8:27 | 9:46    | 8:46 |

\*excl. Japan, India, China, Taiwan, and Korea

### Rank 3 Category

|   | World  | Oceania   |                            |        | North America |                            |       | Central America & The Caribbean | South America | Western Europe |       |       | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |               |       |      | Unit: % |      |
|---|--------|-----------|----------------------------|--------|---------------|----------------------------|-------|---------------------------------|---------------|----------------|-------|-------|--------|-------------|--------------------------------------|------------|-------|---------------|-------|------|---------|------|
|   |        | Australia | Oceania (except Australia) | Canada | USA           | Western Europe (except UK) | UK    |                                 |               | Japan          | India | China |        |             |                                      | Taiwan     | Korea | Asian Region* |       |      |         |      |
| Number of Response                                      | [1813] | [49]      | [35]                       | [14]   | [176]         | [40]                       | [136] | [76]                            | [112]         | [223]          | [178] | [45]  | [86]   | [28]        | [46]                                 | [1017]     | [365] | [52]          | [408] | [82] | [33]    | [77] |
| Number of Valid Response                                | [1776] | [49]      | [35]                       | [14]   | [176]         | [40]                       | [136] | [76]                            | [112]         | [223]          | [178] | [45]  | [86]   | [28]        | [46]                                 | [980]      | [364] | [52]          | [373] | [82] | [32]    | [77] |
| 1. Climate Change                                       | 12     | 18        | 17                         | 21     | 9             | 18                         | 7     | 9                               | 13            | 13             | 13    | 13    | 8      | 14          | 20                                   | 11         | 6     | 10            | 13    | 20   | 6       | 18   |
| 2. Biosphere Integrity (Biodiversity)                   | 11     | 14        | 17                         | 7      | 15            | 13                         | 16    | 8                               | 18            | 16             | 16    | 13    | 5      | 4           | 11                                   | 10         | 12    | 6             | 7     | 10   | 15      | 14   |
| 3. Land-System Change (Land Use)                        | 8      | 18        | 20                         | 14     | 7             | 8                          | 7     | 14                              | 8             | 9              | 9     | 9     | 14     | 25          | 7                                    | 6          | 6     | 6             | 4     | 6    | 12      | 17   |
| 4. Biochemical flows (Pollution/Contamination)          | 9      | 2         | 3                          | 0      | 10            | 18                         | 8     | 5                               | 14            | 7              | 8     | 2     | 3      | 4           | 13                                   | 10         | 12    | 12            | 9     | 16   | 6       | 4    |
| 5. Water Resources                                      | 11     | 6         | 6                          | 7      | 11            | 8                          | 12    | 11                              | 11            | 8              | 8     | 7     | 21     | 18          | 15                                   | 11         | 7     | 25            | 12    | 17   | 3       | 16   |
| 6. Population   | 9      | 14        | 14                         | 14     | 12            | 15                         | 11    | 5                               | 5             | 7              | 7     | 7     | 13     | 7           | 4                                    | 10         | 9     | 12            | 12    | 5    | 12      | 8    |
| 7. Food   | 6      | 2         | 0                          | 7      | 2             | 0                          | 3     | 4                               | 3             | 6              | 4     | 13    | 12     | 4           | 7                                    | 8          | 12    | 2             | 7     | 4    | 3       | 3    |
| 8. Lifestyle (Consumption Habits)                       | 11     | 12        | 11                         | 14     | 18            | 13                         | 20    | 5                               | 10            | 14             | 13    | 20    | 7      | 7           | 11                                   | 10         | 12    | 12            | 10    | 5    | 18      | 4    |
| 9. Society, Economy and Environment, Policies, Measures | 19     | 12        | 11                         | 14     | 15            | 10                         | 16    | 38                              | 19            | 20             | 21    | 16    | 17     | 18          | 13                                   | 19         | 23    | 17            | 17    | 18   | 21      | 17   |
| No Response   | 2      | 0         | 0                          | 0      | 0             | 0                          | 0     | 0                               | 0             | 0              | 0     | 0     | 0      | 0           | 0                                    | 4          | 0     | 0             | 9     | 0    | 3       | 0    |
| Time for Rank 3 Category                                | 8:58   | 9:35      | 9:51                       | 8:55   | 9:55          | 9:40                       | 9:59  | 8:45                            | 8:38          | 9:16           | 9:13  | 9:26  | 7:58   | 8:55        | 8:49                                 | 8:50       | 9:00  | 8:39          | 8:59  | 7:44 | 9:09    | 8:35 |

\*excl. Japan, India, China, Taiwan, and Korea

**2. Do you see any signs of improvement in the approach to global environmental issues? Please answer these questions from the following three viewpoints in comparison with the situation before 2015 when the Paris Agreement and SDGs were adopted.**

**Question 2-1 Do you think that we are shifting to a decarbonized society?**

(Percentages are based on valid responses.)

**1. Public awareness (Percentages are based on valid responses.)**

|                          | World  | Oceania   |                            |       | North America |       |       | Central America & The Caribbean | South America | Western Europe | Europe (except UK) | UK    | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Asian Region* |       |
|--------------------------|--------|-----------|----------------------------|-------|---------------|-------|-------|---------------------------------|---------------|----------------|--------------------|-------|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------------|-------|
|                          |        | Australia | Oceania (except Australia) |       | Canada        | USA   |       |                                 |               |                |                    |       |        |             |                                      | Japan      | India | China | Taiwan | Korea |               |       |
| Number of Valid Response | [1813] | [49]      | [35]                       | [14]  | [176]         | [40]  | [136] | [76]                            | [112]         | [223]          | [178]              | [45]  | [86]   | [28]        | [46]                                 | [1017]     | [365] | [52]  | [408]  | [82]  | [33]          | [77]  |
| 1. Definitely            | 17     | 22        | 17                         | 36    | 18            | 20    | 17    | 11                              | 13            | 23             | 24                 | 18    | 16     | 7           | 7                                    | 17         | 7     | 35    | 25     | 9     | 3             | 14    |
| 2. somewhat              | 51     | 67        | 74                         | 50    | 58            | 68    | 55    | 46                              | 46            | 64             | 62                 | 71    | 45     | 61          | 57                                   | 47         | 45    | 48    | 48     | 52    | 24            | 57    |
| 3. Cannot say either way | 12     | 0         | 0                          | 0     | 5             | 3     | 5     | 9                               | 7             | 4              | 5                  | 2     | 8      | 14          | 15                                   | 17         | 22    | 2     | 17     | 15    | 18            | 6     |
| 4. not really            | 17     | 8         | 9                          | 7     | 16            | 8     | 19    | 29                              | 29            | 8              | 8                  | 9     | 23     | 18          | 22                                   | 17         | 22    | 13    | 9      | 23    | 36            | 19    |
| 5. Definitely not        | 3      | 2         | 0                          | 7     | 3             | 3     | 4     | 5                               | 4             | 1              | 1                  | 0     | 7      | 0           | 0                                    | 3          | 5     | 2     | 1      | 1     | 18            | 3     |
| average                  | 0.6    | 1.0       | 1.0                        | 1.0   | 0.7           | 1.0   | 0.6   | 0.3                             | 0.3           | 1.0            | 1.0                | 1.0   | 0.4    | 0.6         | 0.5                                  | 0.6        | 0.3   | 1.0   | 0.9    | 0.4   | -0.4          | 0.6   |
| standard deviation       | 1.048  | 0.866     | 0.728                      | 1.177 | 1.050         | 0.876 | 1.088 | 1.150                           | 1.158         | 0.825          | 0.844              | 0.753 | 1.211  | 0.879       | 0.913                                | 1.047      | 1.033 | 1.048 | 0.934  | 0.983 | 1.146         | 1.041 |

\*excl. Japan, India, China, Taiwan, and Korea

**2. Policies, legal system**

|                          | World  | Oceania   |                            |       | North America |       |       | Central America & The Caribbean | South America | Western Europe | Europe (except UK) | UK    | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Asian Region* |       |
|--------------------------|--------|-----------|----------------------------|-------|---------------|-------|-------|---------------------------------|---------------|----------------|--------------------|-------|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------------|-------|
|                          |        | Australia | Oceania (except Australia) |       | Canada        | USA   |       |                                 |               |                |                    |       |        |             |                                      | Japan      | India | China | Taiwan | Korea |               |       |
| Number of Valid Response | [1812] | [49]      | [35]                       | [14]  | [176]         | [40]  | [136] | [76]                            | [111]         | [223]          | [178]              | [45]  | [86]   | [28]        | [46]                                 | [1017]     | [365] | [52]  | [408]  | [82]  | [33]          | [77]  |
| 1. Definitely            | 13     | 6         | 9                          | 0     | 4             | 13    | 1     | 8                               | 5             | 4              | 4                  | 2     | 12     | 11          | 7                                    | 19         | 2     | 29    | 37     | 9     | 0             | 10    |
| 2. somewhat              | 40     | 43        | 37                         | 57    | 31            | 35    | 29    | 38                              | 35            | 61             | 58                 | 71    | 45     | 29          | 46                                   | 37         | 30    | 42    | 40     | 59    | 12            | 42    |
| 3. Cannot say either way | 17     | 6         | 6                          | 7     | 9             | 3     | 10    | 20                              | 12            | 11             | 11                 | 11    | 13     | 25          | 20                                   | 20         | 26    | 12    | 17     | 13    | 30            | 17    |
| 4. not really            | 24     | 35        | 40                         | 21    | 43            | 48    | 42    | 25                              | 35            | 22             | 23                 | 16    | 23     | 25          | 24                                   | 20         | 35    | 17    | 5      | 17    | 45            | 29    |
| 5. Definitely not        | 6      | 10        | 9                          | 14    | 14            | 3     | 17    | 9                               | 14            | 3              | 3                  | 0     | 7      | 11          | 4                                    | 4          | 8     | 0     | 1      | 2     | 12            | 3     |
| average                  | 0.3    | 0.0       | 0.0                        | 0.1   | -0.3          | 0.1   | -0.4  | 0.1                             | -0.2          | 0.4            | 0.4                | 0.6   | 0.3    | 0.0         | 0.3                                  | 0.5        | -0.2  | 0.8   | 1.1    | 0.5   | -0.6          | 0.3   |
| standard deviation       | 1.148  | 1.208     | 1.224                      | 1.207 | 1.162         | 1.207 | 1.127 | 1.150                           | 1.185         | 0.959          | 0.996              | 0.780 | 1.161  | 1.201       | 1.042                                | 1.126      | 1.008 | 1.043 | 0.917  | 0.958 | 0.867         | 1.074 |

\*excl. Japan, India, China, Taiwan, and Korea

**3. Social Infrastructure (Funds, human resources, technologies and facilities)**

|                          | World  | Oceania   |                            |       | North America |       |       | Central America & The Caribbean | South America | Western Europe | Europe (except UK) | UK    | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Asian Region* |       |
|--------------------------|--------|-----------|----------------------------|-------|---------------|-------|-------|---------------------------------|---------------|----------------|--------------------|-------|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------------|-------|
|                          |        | Australia | Oceania (except Australia) |       | Canada        | USA   |       |                                 |               |                |                    |       |        |             |                                      | Japan      | India | China | Taiwan | Korea |               |       |
| Number of Valid Response | [1811] | [49]      | [35]                       | [14]  | [176]         | [40]  | [136] | [76]                            | [111]         | [223]          | [178]              | [45]  | [86]   | [28]        | [46]                                 | [1016]     | [365] | [52]  | [408]  | [81]  | [33]          | [77]  |
| 1. Definitely            | 11     | 14        | 17                         | 7     | 5             | 10    | 3     | 1                               | 5             | 9              | 8                  | 9     | 16     | 14          | 13                                   | 13         | 5     | 15    | 25     | 1     | 3             | 12    |
| 2. somewhat              | 43     | 53        | 54                         | 50    | 50            | 40    | 53    | 39                              | 41            | 52             | 53                 | 51    | 38     | 50          | 48                                   | 40         | 33    | 50    | 46     | 56    | 3             | 39    |
| 3. Cannot say either way | 21     | 10        | 11                         | 7     | 12            | 18    | 10    | 25                              | 17            | 17             | 19                 | 11    | 17     | 7           | 17                                   | 24         | 32    | 13    | 20     | 22    | 24            | 19    |
| 4. not really            | 21     | 16        | 11                         | 29    | 28            | 30    | 27    | 25                              | 32            | 18             | 16                 | 29    | 24     | 25          | 20                                   | 19         | 26    | 17    | 8      | 20    | 55            | 27    |
| 5. Definitely not        | 4      | 6         | 6                          | 7     | 6             | 3     | 7     | 9                               | 5             | 3              | 4                  | 0     | 3      | 4           | 2                                    | 3          | 5     | 4     | 1      | 1     | 15            | 3     |
| average                  | 0.4    | 0.5       | 0.7                        | 0.2   | 0.2           | 0.3   | 0.2   | 0.0                             | 0.1           | 0.4            | 0.5                | 0.4   | 0.4    | 0.5         | 0.5                                  | 0.4        | 0.1   | 0.6   | 0.8    | 0.4   | -0.8          | 0.3   |
| standard deviation       | 1.055  | 1.120     | 1.083                      | 1.188 | 1.074         | 1.080 | 1.076 | 1.039                           | 1.064         | 0.989          | 0.986              | 1.009 | 1.130  | 1.138       | 1.027                                | 1.044      | 0.989 | 1.074 | 0.932  | 0.856 | 0.867         | 1.077 |

\*excl. Japan, India, China, Taiwan, and Korea

**Question 2-2 Where do you see signs of improvement? Please choose one category from Table 1 on page 33 which shows a list of "Environmental issues to be taken into account".**

(Percentages are based on valid responses.)

|   | World  | Oceania   |                            |      | North America |      |       | Central America & The Caribbean | South America | Western Europe | Europe (except UK) | UK   | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Asian Region* |      |
|---|--------|-----------|----------------------------|------|---------------|------|-------|---------------------------------|---------------|----------------|--------------------|------|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------------|------|
|   |        | Australia | Oceania (except Australia) |      | Canada        | USA  |       |                                 |               |                |                    |      |        |             |                                      | Japan      | India | China | Taiwan | Korea |               |      |
| Number of Valid Response                                | [1813] | [49]      | [35]                       | [14] | [176]         | [40] | [136] | [76]                            | [112]         | [223]          | [178]              | [45] | [86]   | [28]        | [46]                                 | [1017]     | [365] | [52]  | [408]  | [82]  | [33]          | [77] |
| 1. Climate Change                                       | 27     | 41        | 43                         | 36   | 47            | 43   | 48    | 24                              | 21            | 44             | 40                 | 60   | 49     | 32          | 35                                   | 18         | 21    | 38    | 13     | 7     | 27            | 34   |
| 2. Biosphere Integrity (Biodiversity)                   | 8      | 10        | 9                          | 14   | 4             | 5    | 4     | 16                              | 6             | 9              | 11                 | 2    | 13     | 11          | 24                                   | 7          | 4     | 8     | 7      | 4     | 6             | 22   |
| 3. Land-System Change (Land Use)                        | 3      | 2         | 3                          | 0    | 1             | 0    | 1     | 3                               | 5             | 1              | 1                  | 2    | 3      | 4           | 4                                    | 4          | 1     | 6     | 6      | 4     | 3             | 3    |
| 4. Biochemical flows (Pollution/Contamination)          | 7      | 6         | 9                          | 0    | 3             | 0    | 4     | 5                               | 4             | 7              | 8                  | 2    | 3      | 0           | 2                                    | 9          | 12    | 4     | 11     | 2     | 6             | 3    |
| 5. Water Resources                                      | 5      | 4         | 0                          | 14   | 2             | 3    | 1     | 5                               | 6             | 2              | 2                  | 2    | 2      | 14          | 7                                    | 5          | 2     | 8     | 8      | 6     | 3             | 8    |
| 6. Population   | 3      | 0         | 0                          | 0    | 2             | 0    | 2     | 4                               | 3             | 2              | 2                  | 0    | 6      | 0           | 2                                    | 3          | 2     | 8     | 4      | 4     | 0             | 0    |
| 7. Food   | 2      | 0         | 0                          | 0    | 3             | 5    | 3     | 3                               | 2             | 2              | 2                  | 0    | 3      | 0           | 0                                    | 2          | 2     | 4     | 3      | 0     | 0             | 0    |
| 8. Lifestyle (Consumption Habits)                       | 14     | 8         | 6                          | 14   | 11            | 18   | 10    | 12                              | 18            | 10             | 12                 | 2    | 3      | 14          | 11                                   | 17         | 23    | 2     | 18     | 7     | 21            | 4    |
| 9. Society, Economy and Environment, Policies, Measures | 14     | 12        | 11                         | 14   | 7             | 15   | 4     | 11                              | 13            | 15             | 14                 | 18   | 7      | 18          | 7                                    | 17         | 13    | 13    | 21     | 23    | 6             | 18   |
| No sign of improvement at all                           | 16     | 16        | 20                         | 7    | 20            | 13   | 22    | 18                              | 22            | 8              | 7                  | 11   | 9      | 7           | 9                                    | 17         | 22    | 10    | 10     | 43    | 27            | 9    |

\*excl. Japan, India, China, Taiwan, and Korea

## 1. Public awareness

### [Climate Change]

|                                | Unit: % |           |                            |       |               |       |       |                                 |               |                |                            |       |        |             |                                      |            |       |       |        |       |               |       |
|--------------------------------|---------|-----------|----------------------------|-------|---------------|-------|-------|---------------------------------|---------------|----------------|----------------------------|-------|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------------|-------|
|                                | World   | Oceania   |                            |       | North America |       |       | Central America & The Caribbean | South America | Western Europe | Western Europe (except UK) | UK    | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Asian Region* |       |
|                                |         | Australia | Oceania (except Australia) |       | Canada        | USA   |       |                                 |               |                |                            |       |        |             |                                      | Japan      | India | China | Taiwan | Korea |               |       |
| Number of Valid Response       | [495]   | [20]      | [15]                       | [5]   | [82]          | [17]  | [65]  | [18]                            | [24]          | [97]           | [70]                       | [27]  | [42]   | [9]         | [16]                                 | [187]      | [75]  | [20]  | [51]   | [6]   | [9]           | [26]  |
| 1. Improvements                | 44      | 55        | 60                         | 40    | 56            | 59    | 55    | 33                              | 38            | 66             | 66                         | 67    | 38     | 44          | 56                                   | 29         | 20    | 55    | 29     | 0     | 11            | 50    |
| 2. Perhaps some improvements   | 45      | 40        | 40                         | 40    | 40            | 35    | 42    | 61                              | 50            | 32             | 31                         | 33    | 40     | 56          | 38                                   | 54         | 63    | 35    | 49     | 83    | 67            | 42    |
| 3. Cannot say either way       | 5       | 0         | 0                          | 0     | 0             | 0     | 0     | 0                               | 4             | 2              | 3                          | 0     | 5      | 0           | 0                                    | 11         | 13    | 0     | 16     | 0     | 11            | 4     |
| 4. Not really any improvements | 4       | 5         | 0                          | 20    | 4             | 6     | 3     | 6                               | 8             | 0              | 0                          | 0     | 12     | 0           | 6                                    | 5          | 3     | 5     | 6      | 17    | 11            | 4     |
| 5. No improvements at all      | 1       | 0         | 0                          | 0     | 0             | 0     | 0     | 0                               | 0             | 0              | 0                          | 0     | 5      | 0           | 0                                    | 1          | 1     | 5     | 0      | 0     | 0             | 0     |
| average                        | 1.3     | 1.5       | 1.6                        | 1.0   | 1.5           | 1.5   | 1.5   | 1.2                             | 1.2           | 1.6            | 1.6                        | 1.7   | 1.0    | 1.4         | 1.4                                  | 1.1        | 1.0   | 1.3   | 1.0    | 0.7   | 0.8           | 1.4   |
| standard deviation             | 0.817   | 0.759     | 0.507                      | 1.225 | 0.689         | 0.800 | 0.664 | 0.732                           | 0.868         | 0.524          | 0.543                      | 0.480 | 1.168  | 0.527       | 0.814                                | 0.831      | 0.753 | 1.081 | 0.836  | 0.816 | 0.833         | 0.752 |

\*excl. Japan, India, China, Taiwan, and Korea

### [LifeStyle]

|                                | Unit: % |           |                            |       |               |       |       |                                 |               |                |                            |     |        |             |                                      |            |       |       |        |       |               |     |
|--------------------------------|---------|-----------|----------------------------|-------|---------------|-------|-------|---------------------------------|---------------|----------------|----------------------------|-----|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------------|-----|
|                                | World   | Oceania   |                            |       | North America |       |       | Central America & The Caribbean | South America | Western Europe | Western Europe (except UK) | UK  | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Asian Region* |     |
|                                |         | Australia | Oceania (except Australia) |       | Canada        | USA   |       |                                 |               |                |                            |     |        |             |                                      | Japan      | India | China | Taiwan | Korea |               |     |
| Number of Valid Response       | [260]   | [4]       | [2]                        | [2]   | [20]          | [7]   | [13]  | [9]                             | [20]          | [23]           | [22]                       | [1] | [3]    | [4]         | [5]                                  | [172]      | [83]  | [1]   | [72]   | [6]   | [7]           | [3] |
| 1. Improvements                | 26      | 50        | 50                         | 50    | 55            | 57    | 54    | 44                              | 35            | 48             | 50                         | 0   | 33     | 25          | 20                                   | 17         | 7     | 100   | 25     | 0     | 14            | 100 |
| 2. Perhaps some improvements   | 64      | 50        | 50                         | 50    | 40            | 43    | 38    | 33                              | 55            | 48             | 45                         | 100 | 67     | 75          | 80                                   | 71         | 80    | 0     | 61     | 100   | 86            | 0   |
| 3. Cannot say either way       | 5       | 0         | 0                          | 0     | 5             | 0     | 8     | 0                               | 0             | 4              | 5                          | 0   | 0      | 0           | 0                                    | 6          | 8     | 0     | 6      | 0     | 0             | 0   |
| 4. Not really any improvements | 5       | 0         | 0                          | 0     | 0             | 0     | 0     | 22                              | 10            | 0              | 0                          | 0   | 0      | 0           | 0                                    | 5          | 5     | 0     | 6      | 0     | 0             | 0   |
| 5. No improvements at all      | 1       | 0         | 0                          | 0     | 0             | 0     | 0     | 0                               | 0             | 0              | 0                          | 0   | 0      | 0           | 0                                    | 1          | 0     | 0     | 3      | 0     | 0             | 0   |
| average                        | 1.1     | 1.5       | 1.5                        | 1.5   | 1.5           | 1.6   | 1.5   | 1.0                             | 1.2           | 1.4            | 1.5                        | 1.0 | 1.3    | 1.3         | 1.2                                  | 1.0        | 0.9   | 2.0   | 1.0    | 1.0   | 1.1           | 2.0 |
| standard deviation             | 0.745   | 0.577     | 0.707                      | 0.707 | 0.607         | 0.535 | 0.660 | 1.225                           | 0.875         | 0.590          | 0.596                      | -   | 0.577  | 0.500       | 0.447                                | 0.725      | 0.585 | -     | 0.888  | -     | 0.378         | -   |

## 2. Policies, legal system

### [Climate Change]

|                                | Unit: % |           |                            |       |               |       |       |                                 |               |                |                            |       |        |             |                                      |            |       |       |        |       |               |       |
|--------------------------------|---------|-----------|----------------------------|-------|---------------|-------|-------|---------------------------------|---------------|----------------|----------------------------|-------|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------------|-------|
|                                | World   | Oceania   |                            |       | North America |       |       | Central America & The Caribbean | South America | Western Europe | Western Europe (except UK) | UK    | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Asian Region* |       |
|                                |         | Australia | Oceania (except Australia) |       | Canada        | USA   |       |                                 |               |                |                            |       |        |             |                                      | Japan      | India | China | Taiwan | Korea |               |       |
| Number of Valid Response       | [494]   | [20]      | [15]                       | [5]   | [82]          | [17]  | [65]  | [18]                            | [24]          | [97]           | [70]                       | [27]  | [42]   | [9]         | [16]                                 | [186]      | [74]  | [20]  | [51]   | [6]   | [9]           | [26]  |
| 1. Improvements                | 19      | 20        | 20                         | 20    | 10            | 6     | 11    | 22                              | 4             | 24             | 20                         | 33    | 21     | 22          | 25                                   | 20         | 1     | 25    | 45     | 0     | 0             | 35    |
| 2. Perhaps some improvements   | 45      | 50        | 40                         | 80    | 46            | 47    | 46    | 22                              | 54            | 51             | 51                         | 48    | 48     | 67          | 56                                   | 38         | 41    | 50    | 35     | 83    | 33            | 19    |
| 3. Cannot say either way       | 17      | 5         | 7                          | 0     | 12            | 18    | 11    | 39                              | 17            | 12             | 14                         | 7     | 12     | 0           | 6                                    | 24         | 35    | 5     | 14     | 0     | 44            | 23    |
| 4. Not really any improvements | 16      | 20        | 27                         | 0     | 24            | 24    | 25    | 11                              | 25            | 13             | 14                         | 11    | 10     | 11          | 13                                   | 15         | 18    | 20    | 2      | 17    | 22            | 23    |
| 5. No improvements at all      | 4       | 5         | 7                          | 0     | 7             | 6     | 8     | 6                               | 0             | 0              | 0                          | 0     | 10     | 0           | 0                                    | 3          | 5     | 0     | 4      | 0     | 0             | 0     |
| average                        | 0.6     | 0.6       | 0.4                        | 1.2   | 0.3           | 0.2   | 0.3   | 0.4                             | 0.4           | 0.8            | 0.8                        | 1.0   | 0.6    | 1.0         | 0.9                                  | 0.6        | 0.1   | 0.8   | 1.2    | 0.7   | 0.1           | 0.7   |
| standard deviation             | 1.077   | 1.188     | 1.298                      | 0.447 | 1.155         | 1.091 | 1.179 | 1.149                           | 0.924         | 0.939          | 0.935                      | 0.940 | 1.209  | 0.866       | 0.929                                | 1.069      | 0.917 | 1.056 | 1.007  | 0.816 | 0.782         | 1.198 |

### [LifeStyle]

|                                | Unit: % |           |                            |       |               |       |       |                                 |               |                |                            |     |        |             |                                      |            |       |       |        |       |               |       |
|--------------------------------|---------|-----------|----------------------------|-------|---------------|-------|-------|---------------------------------|---------------|----------------|----------------------------|-----|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------------|-------|
|                                | World   | Oceania   |                            |       | North America |       |       | Central America & The Caribbean | South America | Western Europe | Western Europe (except UK) | UK  | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Asian Region* |       |
|                                |         | Australia | Oceania (except Australia) |       | Canada        | USA   |       |                                 |               |                |                            |     |        |             |                                      | Japan      | India | China | Taiwan | Korea |               |       |
| Number of Valid Response       | [260]   | [4]       | [2]                        | [2]   | [20]          | [7]   | [13]  | [9]                             | [20]          | [23]           | [22]                       | [1] | [3]    | [4]         | [5]                                  | [172]      | [83]  | [1]   | [72]   | [6]   | [7]           | [3]   |
| 1. Improvements                | 15      | 25        | 50                         | 0     | 5             | 14    | 0     | 11                              | 5             | 9              | 9                          | 0   | 33     | 0           | 0                                    | 19         | 1     | 0     | 40     | 33    | 0             | 33    |
| 2. Perhaps some improvements   | 43      | 0         | 0                          | 0     | 35            | 43    | 31    | 44                              | 50            | 52             | 55                         | 0   | 67     | 50          | 60                                   | 42         | 42    | 0     | 43     | 50    | 43            | 33    |
| 3. Cannot say either way       | 22      | 50        | 50                         | 50    | 15            | 14    | 15    | 22                              | 15            | 26             | 23                         | 100 | 0      | 25          | 20                                   | 23         | 33    | 100   | 10     | 17    | 43            | 33    |
| 4. Not really any improvements | 15      | 25        | 0                          | 50    | 40            | 29    | 46    | 22                              | 20            | 13             | 14                         | 0   | 0      | 25          | 0                                    | 12         | 20    | 0     | 4      | 0     | 14            | 0     |
| 5. No improvements at all      | 3       | 0         | 0                          | 0     | 5             | 0     | 8     | 0                               | 10            | 0              | 0                          | 0   | 0      | 0           | 20                                   | 3          | 4     | 0     | 3      | 0     | 0             | 0     |
| average                        | 0.5     | 0.3       | 1.0                        | -0.5  | -0.1          | 0.4   | -0.3  | 0.4                             | 0.2           | 0.6            | 0.6                        | 0.0 | 1.3    | 0.3         | 0.2                                  | 0.6        | 0.2   | 0.0   | 1.1    | 1.2   | 0.3           | 1.0   |
| standard deviation             | 1.038   | 1.258     | 1.414                      | 0.707 | 1.099         | 1.134 | 1.032 | 1.014                           | 1.152         | 0.843          | 0.854                      | -   | 0.577  | 0.957       | 1.304                                | 1.021      | 0.895 | -     | 0.954  | 0.753 | 0.756         | 1.000 |

### 3. Social Infrastructure (Funds, human resources, technologies and facilities)

#### [Climate Change]

|                                | World | Oceania   |                            |       | North America |       |       | Central America & The Carribean | South America | Western Europe             |       |       | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Unit: % |               |
|--------------------------------|-------|-----------|----------------------------|-------|---------------|-------|-------|---------------------------------|---------------|----------------------------|-------|-------|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------|---------------|
|                                |       | Australia | Oceania (except Australia) |       | Canada        | USA   |       |                                 |               | Western Europe (except UK) | UK    |       |        |             |                                      | Japan      | India | China | Taiwan | Korea |         | Asian Region* |
| Number of Valid Response       | [494] | [20]      | [15]                       | [5]   | [82]          | [17]  | [65]  | [18]                            | [24]          | [97]                       | [70]  | [27]  | [42]   | [9]         | [16]                                 | [186]      | [74]  | [20]  | [51]   | [6]   | [9]     | [26]          |
| 1. Improvements                | 24    | 25        | 33                         | 0     | 24            | 35    | 22    | 11                              | 17            | 30                         | 29    | 33    | 29     | 33          | 19                                   | 23         | 5     | 30    | 37     | 0     | 0       | 50            |
| 2. Perhaps some improvements   | 43    | 45        | 40                         | 60    | 49            | 35    | 52    | 33                              | 38            | 44                         | 43    | 48    | 29     | 56          | 63                                   | 43         | 53    | 45    | 39     | 33    | 11      | 35            |
| 3. Cannot say either way       | 19    | 10        | 7                          | 20    | 11            | 0     | 14    | 44                              | 33            | 13                         | 14    | 11    | 19     | 0           | 13                                   | 23         | 30    | 10    | 16     | 50    | 56      | 8             |
| 4. Not really any improvements | 11    | 15        | 13                         | 20    | 10            | 12    | 9     | 6                               | 8             | 12                         | 14    | 7     | 14     | 11          | 6                                    | 11         | 11    | 15    | 6      | 17    | 33      | 8             |
| 5. No improvements at all      | 3     | 5         | 7                          | 0     | 6             | 18    | 3     | 6                               | 4             | 0                          | 0     | 0     | 10     | 0           | 0                                    | 1          | 1     | 0     | 2      | 0     | 0       | 0             |
| average                        | 0.8   | 0.7       | 0.8                        | 0.4   | 0.8           | 0.6   | 0.8   | 0.4                             | 0.5           | 0.9                        | 0.9   | 1.1   | 0.5    | 1.1         | 0.9                                  | 0.8        | 0.5   | 0.9   | 1.0    | 0.2   | -0.2    | 1.3           |
| standard deviation             | 1.031 | 1.174     | 1.265                      | 0.894 | 1.117         | 1.543 | 0.987 | 0.979                           | 1.021         | 0.965                      | 0.997 | 0.874 | 1.311  | 0.928       | 0.772                                | 0.960      | 0.815 | 1.021 | 0.979  | 0.753 | 0.667   | 0.919         |

\*excl. Japan, India, China, Taiwan, and Korea

#### [LifeStyle]

|                                | World | Oceania   |                            |       | North America |       |       | Central America & The Carribean | South America | Western Europe             |       |     | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Unit: % |               |
|--------------------------------|-------|-----------|----------------------------|-------|---------------|-------|-------|---------------------------------|---------------|----------------------------|-------|-----|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------|---------------|
|                                |       | Australia | Oceania (except Australia) |       | Canada        | USA   |       |                                 |               | Western Europe (except UK) | UK    |     |        |             |                                      | Japan      | India | China | Taiwan | Korea |         | Asian Region* |
| Number of Valid Response       | [260] | [4]       | [2]                        | [2]   | [20]          | [7]   | [13]  | [9]                             | [20]          | [23]                       | [22]  | [1] | [3]    | [4]         | [5]                                  | [172]      | [83]  | [1]   | [72]   | [6]   | [7]     | [3]           |
| 1. Improvements                | 15    | 50        | 100                        | 0     | 30            | 29    | 31    | 0                               | 10            | 22                         | 23    | 0   | 0      | 0           | 40                                   | 13         | 1     | 0     | 28     | 17    | 0       | 0             |
| 2. Perhaps some improvements   | 46    | 25        | 0                          | 50    | 40            | 29    | 46    | 56                              | 60            | 39                         | 36    | 100 | 100    | 50          | 0                                    | 47         | 51    | 0     | 44     | 50    | 14      | 67            |
| 3. Cannot say either way       | 25    | 25        | 0                          | 50    | 15            | 0     | 23    | 22                              | 20            | 13                         | 14    | 0   | 0      | 25          | 60                                   | 28         | 31    | 100   | 22     | 33    | 43      | 33            |
| 4. Not really any improvements | 11    | 0         | 0                          | 0     | 15            | 43    | 0     | 22                              | 10            | 17                         | 18    | 0   | 0      | 25          | 0                                    | 9          | 13    | 0     | 3      | 0     | 43      | 0             |
| 5. No improvements at all      | 3     | 0         | 0                          | 0     | 0             | 0     | 0     | 0                               | 0             | 9                          | 9     | 0   | 0      | 0           | 0                                    | 3          | 4     | 0     | 3      | 0     | 0       | 0             |
| average                        | 0.6   | 1.3       | 2.0                        | 0.5   | 0.9           | 0.4   | 1.1   | 0.3                             | 0.7           | 0.5                        | 0.5   | 1.0 | 1.0    | 0.3         | 0.8                                  | 0.6        | 0.3   | 0.0   | 0.9    | 0.8   | -0.3    | 0.7           |
| standard deviation             | 0.959 | 0.957     | -                          | 0.707 | 1.040         | 1.397 | 0.760 | 0.866                           | 0.801         | 1.275                      | 1.299 | -   | -      | 0.957       | 1.095                                | 0.931      | 0.857 | -     | 0.931  | 0.753 | 0.756   | 0.577         |

### Respondent Affiliation

#### Employment

|                                    | World  | Oceania   |                            |      | North America |      |       | Central America & The Carribean | South America | Western Europe             |       |      | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Unit: % |               |
|------------------------------------|--------|-----------|----------------------------|------|---------------|------|-------|---------------------------------|---------------|----------------------------|-------|------|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------|---------------|
|                                    |        | Australia | Oceania (except Australia) |      | Canada        | USA  |       |                                 |               | Western Europe (except UK) | UK    |      |        |             |                                      | Japan      | India | China | Taiwan | Korea |         | Asian Region* |
| Number of Valid Response           | [1813] | [49]      | [35]                       | [14] | [176]         | [40] | [136] | [76]                            | [112]         | [223]                      | [178] | [45] | [86]   | [28]        | [46]                                 | [1017]     | [365] | [52]  | [408]  | [82]  | [33]    | [77]          |
| 1. Central government              | 6      | 8         | 11                         | 0    | 5             | 5    | 5     | 14                              | 13            | 9                          | 10    | 4    | 7      | 18          | 11                                   | 4          | 3     | 13    | 0      | 17    | 0       | 6             |
| 2. Local government                | 6      | 2         | 3                          | 0    | 1             | 0    | 1     | 4                               | 2             | 4                          | 5     | 0    | 2      | 0           | 4                                    | 9          | 8     | 6     | 9      | 21    | 0       | 1             |
| 3. University/research institution | 35     | 45        | 40                         | 57   | 41            | 35   | 43    | 34                              | 38            | 39                         | 37    | 44   | 37     | 32          | 41                                   | 31         | 48    | 33    | 20     | 23    | 12      | 32            |
| 4. NGO/NPO                         | 20     | 20        | 17                         | 29   | 21            | 20   | 21    | 34                              | 37            | 24                         | 26    | 18   | 34     | 39          | 30                                   | 14         | 12    | 23    | 5      | 16    | 88      | 39            |
| 5. Corporation                     | 19     | 10        | 11                         | 7    | 4             | 5    | 4     | 3                               | 4             | 6                          | 6     | 7    | 6      | 4           | 2                                    | 30         | 11    | 2     | 60     | 20    | 0       | 6             |
| 6. Mass Media                      | 2      | 2         | 3                          | 0    | 6             | 3    | 7     | 0                               | 0             | 0                          | 1     | 0    | 1      | 0           | 0                                    | 2          | 2     | 2     | 2      | 0     | 0       | 0             |
| 7. Other                           | 12     | 12        | 14                         | 7    | 22            | 33   | 18    | 11                              | 7             | 17                         | 16    | 24   | 13     | 7           | 11                                   | 10         | 17    | 21    | 3      | 4     | 0       | 14            |
| No response                        | 0      | 0         | 0                          | 0    | 0             | 0    | 0     | 0                               | 0             | 0                          | 0     | 2    | 0      | 0           | 0                                    | 0          | 0     | 0     | 1      | 0     | 0       | 0             |

\*excl. Japan, India, China, Taiwan, and Korea

#### Age

|                          | World  | Oceania   |                            |      | North America |      |       | Central America & The Carribean | South America | Western Europe             |       |      | Africa | Middle East | Eastern Europe & former Soviet Union | Asia (All) |       |       |        |       | Unit: % |               |
|--------------------------|--------|-----------|----------------------------|------|---------------|------|-------|---------------------------------|---------------|----------------------------|-------|------|--------|-------------|--------------------------------------|------------|-------|-------|--------|-------|---------|---------------|
|                          |        | Australia | Oceania (except Australia) |      | Canada        | USA  |       |                                 |               | Western Europe (except UK) | UK    |      |        |             |                                      | Japan      | India | China | Taiwan | Korea |         | Asian Region* |
| Number of Valid Response | [1813] | [49]      | [35]                       | [14] | [176]         | [40] | [136] | [76]                            | [112]         | [223]                      | [178] | [45] | [86]   | [28]        | [46]                                 | [1017]     | [365] | [52]  | [408]  | [82]  | [33]    | [77]          |
| 20s                      | 15     | 4         | 3                          | 7    | 3             | 5    | 3     | 8                               | 5             | 7                          | 7     | 4    | 12     | 7           | 2                                    | 21         | 1     | 12    | 45     | 16    | 27      | 3             |
| 30s                      | 22     | 10        | 11                         | 7    | 10            | 8    | 11    | 30                              | 23            | 10                         | 11    | 7    | 28     | 11          | 26                                   | 25         | 4     | 19    | 42     | 34    | 58      | 21            |
| 40s                      | 16     | 20        | 14                         | 36   | 12            | 8    | 13    | 25                              | 29            | 22                         | 23    | 18   | 23     | 36          | 22                                   | 12         | 10    | 33    | 8      | 26    | 6       | 19            |
| 50s                      | 17     | 14        | 17                         | 7    | 14            | 25   | 10    | 16                              | 24            | 28                         | 29    | 27   | 15     | 36          | 28                                   | 14         | 21    | 23    | 3      | 17    | 3       | 34            |
| 60s                      | 18     | 29        | 31                         | 21   | 32            | 25   | 34    | 17                              | 13            | 22                         | 21    | 27   | 15     | 0           | 17                                   | 15         | 36    | 6     | 0      | 6     | 3       | 17            |
| Oner 70                  | 12     | 22        | 23                         | 21   | 29            | 30   | 29    | 4                               | 5             | 11                         | 10    | 18   | 7      | 11          | 4                                    | 12         | 29    | 8     | 0      | 1     | 3       | 6             |
| No response              | 0      | 0         | 0                          | 0    | 0             | 0    | 0     | 0                               | 0             | 0                          | 0     | 0    | 0      | 0           | 0                                    | 1          | 0     | 0     | 1      | 0     | 0       | 0             |

\*excl. Japan, India, China, Taiwan, and Korea

About "Number of responses" and "no response"

Number of responses counted the number of valid responses, Valid responses consist of either single answers, multiple answers (when requested) and selections which had no more than the requested number of choices. When there were more responses than the number requested, the total response for the question was invalidated. No response: Respondent did not provide a selection.

# VI. Questionnaire as Distributed to Respondents

## 1. Awareness of the Crisis Facing Human Survival - Environmental Doomsday Clock

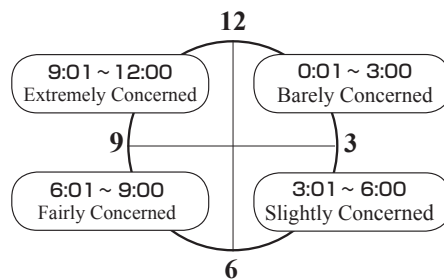
In Table 1, “Environmental issues to be taken into account” are shown. Keeping in mind the problems that the environment faces at a global level, please select the three most pressing issues for the country or the region where you reside. Then, please rank them in the order of importance. Lastly, for each item, select a time using hours and minutes between 0:10 to 12:00, to indicate the level of crisis for that issue. **For the purpose of calculating results, please select your times in units no smaller than 10 minutes.**

### -About the calculation of the time on the Environmental Doomsday Clock:

The time on the Environmental Doomsday Clock will be determined by taking the weighted average of the data. The issue ranked in first place will be weighted at 50%, second place at 30%, and third place at 20%. In the example shown, the time comes to 8:43.

#### ----- Example -----

| Category Number           | TIME   |
|---------------------------|--|
| <b>First ( 1 )</b>        | <input type="text" value="9"/> : <input type="text" value="30"/> |
| (of the first magnitude)  |  |
| <b>Second ( 5 )</b>       | <input type="text" value="7"/> : <input type="text" value="40"/> |
| (of the second magnitude) |  |
| <b>Third ( 3 )</b>        | <input type="text" value="8"/> : <input type="text" value="20"/> |
| (of the third magnitude)  |  |



#### ----- Answer -----

| Category Number           | TIME  |
|---------------------------|---|
| <b>First ( )</b>          | <input type="text"/> : <input type="text"/> |
| (of the first magnitude)  |   |
| <b>Second ( )</b>         | <input type="text"/> : <input type="text"/> |
| (of the second magnitude) |   |
| <b>Third ( )</b>          | <input type="text"/> : <input type="text"/> |
| (of the third magnitude)  |   |

**Table 1. Environmental issues to be taken into account**

| No. | Category   | Examples of Observable Changes in the Country or the Region in which You Reside  | Planetary Boundaries (PB)   |
|-----|--|--|---|
| 1.  | Climate Change                                       | Global warming: Increase in CO <sub>2</sub> %, Ocean acidification, Climatic aberrations (droughts, torrential rains and flooding, severe storms, heavy snow, abnormal temperatures, desertification, etc.)  | Climate change, Ocean acidification, Atmospheric aerosol loading, Stratospheric ozone depletion |
| 2.  | Biosphere Integrity (Biodiversity)                   | Acceleration of species extinction rate (Effects of contamination, climate change, land use)   | Genetic diversity, Functional diversity   |
| 3.  | Land-System Change (Land Use)                        | Change in the amount of forest cover remaining at the tropical, temperate and boreal biomes, Change in the amount of cropland  | Land-system change  |
| 4.  | Biochemical flows (Pollution/Contamination)          | Increase in river, ocean, and soil pollution: eutrophication caused by excessive nitrogen and phosphorus, contamination by microplastics and chemical substances; Atmospheric pollution: particulates suspended in the atmosphere, soot, and chemical substances | Chemical pollution, Nitrogen and phosphorous cycles   |
| 5.  | Water Resources                                      | Diminution of usable fresh water resources (depletion, contamination), Control and degeneration of green water quality (water contained in soil and used by plants)  | Freshwater use  |
| 6.  | Population   | Population growth beyond what the Earth can support, Aging of the population   | Related with almost all the PB  |
| 7.  | Food   | Diminution of food supply from land and sea  | Related with almost all the PB  |
| 8.  | Lifestyle (Consumption Habits)                       | Transformation of lifestyle away from excessive consumption of resources like energy   | Related with almost all the PB  |
| 9.  | Society, Economy and Environment, Policies, Measures | Establishing a green economy with environmental economics and accounting, Environmental awareness at the individual and societal levels, Progress of environmental education, Legal system, Social foundation, Poverty, Governance, Status of women              | Related with almost all the PB  |



2. Do you see any signs of improvement in the approach to global environmental issues. Please answer these questions from the following three viewpoints in comparison with the situation before 2015 when the Paris Agreement and SDGs were adopted

2-1 Do you think we are shifting to a decarbonized society?

|   | Definitely | Somewhat | Cannot say either way | Not really | Definitely not |
|---|------------|----------|-----------------------|------------|----------------|
| 1. Public Awareness   | A          | B        | C                     | D          | E              |
| 2. Policies, Legal System   | A          | B        | C                     | D          | E              |
| 3. Social Infrastructure<br>(Funds, human resources, technologies and facilities) | A          | B        | C                     | D          | E              |

2-2 Where do you see signs of improvement? Please choose one category from the Table 1 that shows a list of “Environmental issues to be taken into account”.

Number of the category that shows signs of improvement: \_\_\_\_\_  No sign of improvement at all

|   | There are improvements | There are perhaps some improvements | Cannot say either way | There aren't really any improvements | There are no improvements at all |
|---|------------------------|-------------------------------------|-----------------------|--------------------------------------|----------------------------------|
| 1. Public Awareness   | A                      | B                                   | C                     | D                                    | E                                |
| 2. Policies, Legal System   | A                      | B                                   | C                     | D                                    | E                                |
| 3. Social Infrastructure<br>(Funds, human resources, technologies and facilities) | A                      | B                                   | C                     | D                                    | E                                |

Category by SDGs # (Sustainable Development Goals: SDGs)

|  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |






Terms in blue are categories listed in Planetary boundaries:


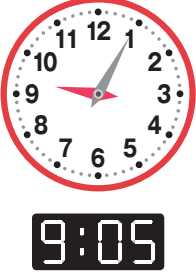
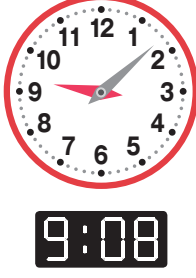


Will Steffen, Katherine Richardson, Johan Rockstrom et.al. Science 13 Feb 2015 vol. 347, issue 6223

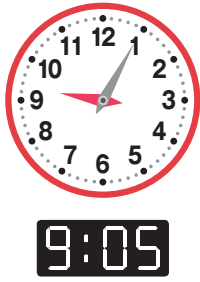


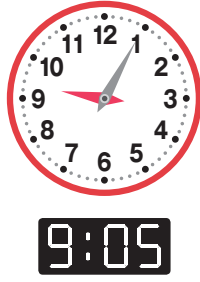

## Reference: Changes in the Time on the Environmental Doomsday Clock




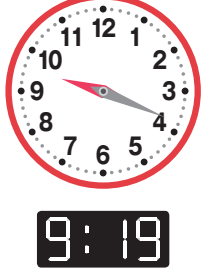

The color of the clock reflects the sense of crisis.

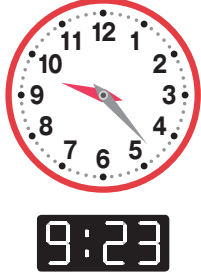
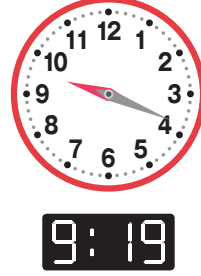
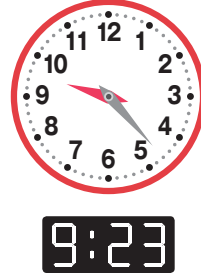

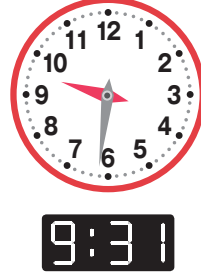

■: Extremely Concerned, ■: Fairly Concerned, ■: Slightly Concerned, ■: Barely Concerned



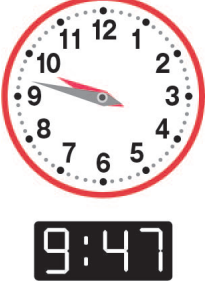
|      |   |  |      |                |      |
|------|---|--|------|----------------|------|
| 1992 |    | World                                  | 7:49 | Western Europe | 8:54 |
|      |   | Africa                                 | 8:10 | Middle East    | 8:10 |
|      |   | Asia                                   | 7:39 | North America  | 8:35 |
|      |   | Central & South America, The Caribbean | 8:57 | Oceania        | 9:58 |
|      |   | Eastern Europe & Former Soviet Union   | 9:27 |                |      |
| 1993 |    | World                                  | 8:19 | Western Europe | 9:02 |
|      |   | Africa                                 | 8:43 | Middle East    | 8:12 |
|      |   | Asia                                   | 8:17 | North America  | 8:58 |
|      |   | Central & South America, The Caribbean | 8:37 | Oceania        | 8:23 |
|      |   | Eastern Europe & Former Soviet Union   | 7:02 |                |      |
| 1994 |  | World                                  | 8:47 | Western Europe | 9:35 |
|      |   | Africa                                 | 9:14 | Middle East    | -    |
|      |   | Asia                                   | 8:26 | North America  | 9:07 |
|      |   | Central & South America, The Caribbean | 9:37 | Oceania        | 8:53 |
|      |   | Eastern Europe & Former Soviet Union   | 8:10 |                |      |
| 1995 |  | World                                  | 8:49 | Western Europe | 9:02 |
|      |   | Africa                                 | 9:33 | Middle East    | 9:09 |
|      |   | Asia                                   | 8:27 | North America  | 8:52 |
|      |   | Central & South America, The Caribbean | 9:23 | Oceania        | 9:44 |
|      |   | Eastern Europe & Former Soviet Union   | 9:29 |                |      |
| 1996 |  | World                                  | 9:13 | Western Europe | 9:46 |
|      |   | Africa                                 | 9:25 | Middle East    | 8:30 |
|      |   | Asia                                   | 9:00 | North America  | 9:30 |
|      |   | Central & South America, The Caribbean | 9:28 | Oceania        | 9:43 |
|      |   | Eastern Europe & Former Soviet Union   | 9:12 |                |      |

|      |   |   |      |                |      |
|------|---|---|------|----------------|------|
| 1997 |    | World                                     | 9:04 | Western Europe | 9:53 |
|      |   | Africa                                    | 9:15 | Middle East    | 9:33 |
|      |   | Asia                                      | 8:49 | North America  | 9:09 |
|      |   | Central & South America,<br>The Caribbean | 9:26 | Oceania        | 9:58 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:37 |                |      |
| 1998 |    | World                                     | 9:05 | Western Europe | 9:37 |
|      |   | Africa                                    | 9:08 | Middle East    | 8:47 |
|      |   | Asia                                      | 9:01 | North America  | 8:40 |
|      |   | Central & South America,<br>The Caribbean | 9:04 | Oceania        | 9:34 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:44 |                |      |
| 1999 |   | World                                     | 9:08 | Western Europe | 8:46 |
|      |   | Africa                                    | 9:13 | Middle East    | 9:32 |
|      |   | Asia                                      | 9:14 | North America  | 9:03 |
|      |   | Central & South America,<br>The Caribbean | 9:14 | Oceania        | 8:52 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:21 |                |      |
| 2000 |  | World                                     | 8:56 | Western Europe | 8:46 |
|      |   | Africa                                    | 9:17 | Middle East    | 9:38 |
|      |   | Asia                                      | 9:00 | North America  | 8:49 |
|      |   | Central & South America,<br>The Caribbean | 8:52 | Oceania        | 8:31 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 8:21 |                |      |
| 2001 |  | World                                     | 9:08 | Western Europe | 8:58 |
|      |   | Africa                                    | 9:37 | Middle East    | 9:01 |
|      |   | Asia                                      | 9:04 | North America  | 9:54 |
|      |   | Central & South America,<br>The Caribbean | 9:00 | Oceania        | 8:58 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 8:17 |                |      |

|      |   |   |      |                |       |
|------|---|---|------|----------------|-------|
| 2002 |    | World                                     | 9:05 | Western Europe | 8:44  |
|      |   | Africa                                    | 9:29 | Middle East    | 8:02  |
|      |   | Asia                                      | 9:10 | North America  | 8:23  |
|      |   | Central & South America,<br>The Caribbean | 9:22 | Oceania        | 9:22  |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:28 |                |       |
| 2003 |    | World                                     | 9:15 | Western Europe | 8:52  |
|      |   | Africa                                    | 9:22 | Middle East    | 8:52  |
|      |   | Asia                                      | 9:25 | North America  | 9:03  |
|      |   | Central & South America,<br>The Caribbean | 9:19 | Oceania        | 9:37  |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:02 |                |       |
| 2004 |   | World                                     | 9:08 | Western Europe | 8:56  |
|      |   | Africa                                    | 9:04 | Middle East    | 8:41  |
|      |   | Asia                                      | 9:14 | North America  | 9:14  |
|      |   | Central & South America,<br>The Caribbean | 9:12 | Oceania        | 9:08  |
|      |   | Eastern Europe &<br>Former Soviet Union   | 8:30 |                |       |
| 2005 |  | World                                     | 9:05 | Western Europe | 8:43  |
|      |   | Africa                                    | 9:03 | Middle East    | 9:18  |
|      |   | Asia                                      | 9:15 | North America  | 8:54  |
|      |   | Central & South America,<br>The Caribbean | 9:08 | Oceania        | 9:18  |
|      |   | Eastern Europe &<br>Former Soviet Union   | 8:26 |                |       |
| 2006 |  | World                                     | 9:17 | Western Europe | 9:08  |
|      |   | Africa                                    | 9:32 | Middle East    | 10:05 |
|      |   | Asia                                      | 9:15 | North America  | 9:18  |
|      |   | Central & South America,<br>The Caribbean | 9:31 | Oceania        | 9:18  |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:07 |                |       |

|      |   |   |       |                |       |
|------|---|---|-------|----------------|-------|
| 2007 |    | World                                     | 9:31  | Western Europe | 9:23  |
|      |   | Africa                                    | 10:02 | Middle East    | 9:41  |
|      |   | Asia                                      | 9:27  | North America  | 9:40  |
|      |   | Central & South America,<br>The Caribbean | 9:38  | Oceania        | 10:27 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:20  |                |       |
| 2008 |    | World                                     | 9:33  | Western Europe | 9:44  |
|      |   | Africa                                    | 10:31 | Middle East    | 9:24  |
|      |   | Asia                                      | 9:23  | North America  | 10:13 |
|      |   | Central & South America,<br>The Caribbean | 9:49  | Oceania        | 10:34 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:37  |                |       |
| 2009 |   | World                                     | 9:22  | Western Europe | 9:55  |
|      |   | Africa                                    | 10:15 | Middle East    | 9:42  |
|      |   | Asia                                      | 9:07  | North America  | 10:01 |
|      |   | Central & South America,<br>The Caribbean | 9:28  | Oceania        | 10:10 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 10:00 |                |       |
| 2010 |  | World                                     | 9:19  | Western Europe | 9:45  |
|      |   | Africa                                    | 10:24 | Middle East    | 10:47 |
|      |   | Asia                                      | 9:06  | North America  | 10:13 |
|      |   | Central & South America,<br>The Caribbean | 9:48  | Oceania        | 10:29 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:47  |                |       |
| 2011 |  | World                                     | 9:01  | Western Europe | 9:28  |
|      |   | Africa                                    | 9:09  | Middle East    | 10:24 |
|      |   | Asia                                      | 8:48  | North America  | 9:35  |
|      |   | Central & South America,<br>The Caribbean | 9:18  | Oceania        | 10:06 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:13  |                |       |

|      |   |   |       |                |       |
|------|---|---|-------|----------------|-------|
| 2012 |    | World                                     | 9:23  | Western Europe | 9:55  |
|      |   | Africa                                    | 10:04 | Middle East    | 9:38  |
|      |   | Asia                                      | 9:08  | North America  | 9:54  |
|      |   | Central & South America,<br>The Caribbean | 10:00 | Oceania        | 10:14 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:12  |                |       |
| 2013 |    | World                                     | 9:19  | Western Europe | 9:40  |
|      |   | Africa                                    | 9:42  | Middle East    | 9:08  |
|      |   | Asia                                      | 9:08  | North America  | 10:16 |
|      |   | Central & South America,<br>The Caribbean | 9:46  | Oceania        | 10:01 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 9:48  |                |       |
| 2014 |   | World                                     | 9:23  | Western Europe | 9:33  |
|      |   | Africa                                    | 9:09  | Middle East    | 9:21  |
|      |   | Asia                                      | 9:15  | North America  | 9:55  |
|      |   | Central America,<br>The Caribbean         | 9:12  | Oceania        | 10:08 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 8:51  | South America  | 9:23  |
| 2015 |  | World                                     | 9:27  | Western Europe | 9:42  |
|      |   | Africa                                    | 9:00  | Middle East    | 9:10  |
|      |   | Asia                                      | 9:15  | North America  | 10:01 |
|      |   | Central America,<br>The Caribbean         | 9:47  | Oceania        | 10:06 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 8:59  | South America  | 9:47  |
| 2016 |  | World                                     | 9:31  | Western Europe | 9:47  |
|      |   | Africa                                    | 9:09  | Middle East    | 10:06 |
|      |   | Asia                                      | 9:18  | North America  | 9:58  |
|      |   | Central America,<br>The Caribbean         | 9:38  | Oceania        | 10:01 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 8:51  | South America  | 9:48  |
| 2017 |  | World                                     | 9:33  | Western Europe | 9:45  |
|      |   | Africa                                    | 9:12  | Middle East    | 9:05  |
|      |   | Asia                                      | 9:25  | North America  | 10:08 |
|      |   | Central America,<br>The Caribbean         | 9:19  | Oceania        | 10:13 |
|      |   | Eastern Europe &<br>Former Soviet Union   | 8:47  | South America  | 9:32  |

|      |  |   |      |                |       |
|------|--|---|------|----------------|-------|
| 2018 |   | World                                   | 9:47 | Western Europe | 10:04 |
|      |  | Africa                                  | 9:28 | Middle East    | 9:30  |
|      |  | Asia                                    | 9:48 | North America  | 10:11 |
|      |  | Central America,<br>The Caribbean       | 9:10 | Oceania        | 10:03 |
|      |  | Eastern Europe &<br>Former Soviet Union | 8:42 | South America  | 9:24  |
| 2019 |   | World                                   | 9:46 | Western Europe | 10:06 |
|      |  | Africa                                  | 8:59 | Middle East    | 9:45  |
|      |  | Asia                                    | 9:38 | North America  | 10:30 |
|      |  | Central America,<br>The Caribbean       | 9:36 | Oceania        | 10:31 |
|      |  | Eastern Europe &<br>Former Soviet Union | 9:13 | South America  | 9:38  |
| 2020 |  | World                                   | 9:47 | Western Europe | 9:59  |
|      |  | Africa                                  | 8:34 | Middle East    | 9:35  |
|      |  | Asia                                    | 9:44 | North America  | 10:33 |
|      |  | Central America,<br>The Caribbean       | 9:38 | Oceania        | 10:20 |
|      |  | Eastern Europe &<br>Former Soviet Union | 9:30 | South America  | 9:29  |







# The Environmental Doomsday Clock 2020



Gring

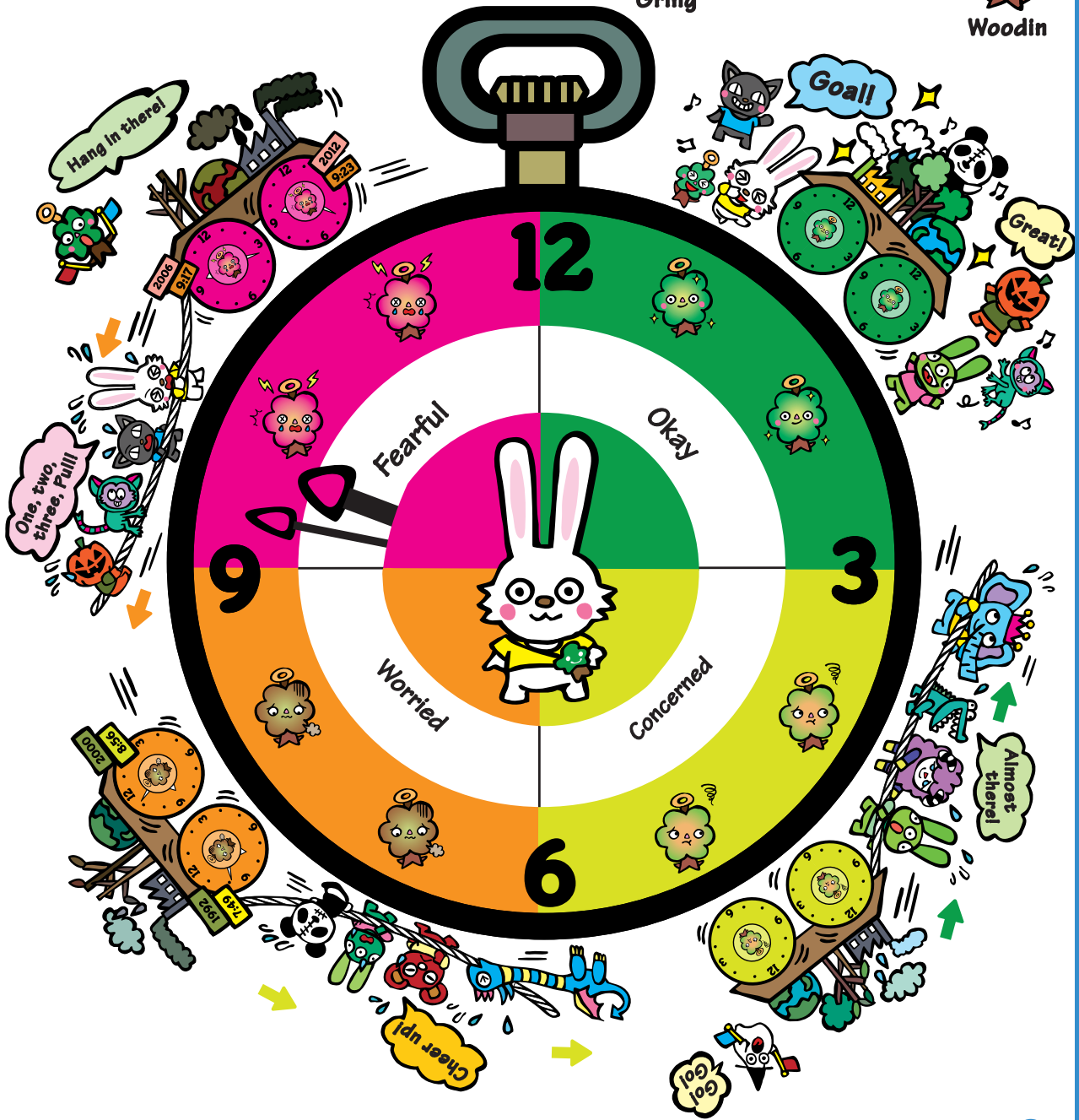
The time of  
2020 is

**9:47**

Fearful



Woodin



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**Results of the 29th Annual  
“Questionnaire on Environmental Problems and the Survival of Humankind”**

**REPORT**

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