# Gap and Thin Spot Analysis of the CLEAN Collection of Educational Resources

| Topic Level | Total | | | | Activity | | | | Video | | | | Visualization | | | | Curricula | | | | Demos/ Experiments | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Climate Systems | 266 | 182 | 236 | 153 | 116 | 60 | 92 | 66 | 85 | 74 | 82 | 46 | 56 | 41 | 55 | 39 | 1 | 0 | 1 | 1 | 11 | 10 | 10 | 3 |
| Global Energy Balance | 27 | 13 | 23 | 15 | 18 | 6 | 14 | 10 | 6 | 4 | 6 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| Orbital Cycles | 24 | 15 | 19 | 11 | 13 | 6 | 9 | 5 | 4 | 3 | 4 | 1 | 7 | 6 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Long-Term Cycles | 6 | 2 | 4 | 6 | 2 | 0 | 1 | 2 | 1 | 0 | 1 | 1 | 3 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seasons | 16 | 11 | 13 | 5 | 11 | 6 | 8 | 3 | 1 | 1 | 1 | 0 | 4 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 8 | 6 | 7 | 5 | 1 | 0 | 1 | 1 | 2 | 2 | 2 | 0 | 5 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solar Radiation | 31 | 19 | 26 | 9 | 20 | 10 | 15 | 6 | 7 | 5 | 7 | 3 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Atmospheric Composition | 44 | 27 | 38 | 29 | 24 | 12 | 20 | 17 | 12 | 11 | 10 | 6 | 6 | 2 | 6 | 6 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 |
| Aerosols | 8 | 5 | 8 | 6 | 4 | 2 | 4 | 3 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greenhouse Gases | 33 | 21 | 28 | 20 | 19 | 10 | 16 | 13 | 10 | 9 | 8 | 4 | 3 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| General/Other | 14 | 10 | 13 | 9 | 7 | 5 | 6 | 5 | 3 | 3 | 3 | 1 | 3 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| Greenhouse Effect | 36 | 24 | 33 | 20 | 14 | 5 | 13 | 11 | 17 | 15 | 15 | 7 | 5 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Atmospheric Circulation | 6 | 4 | 5 | 3 | 4 | 2 | 3 | 2 | 1 | 1 | 1 | 0 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coriolis Effect | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 6 | 4 | 5 | 3 | 4 | 2 | 3 | 2 | 1 | 1 | 1 | 0 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ocean and Climate | 65 | 46 | 60 | 33 | 32 | 16 | 28 | 17 | 21 | 19 | 21 | 9 | 8 | 7 | 8 | 7 | 1 | 0 | 1 | 1 | 7 | 7 | 6 | 2 |
| Heat Capacity of Water | 6 | 4 | 5 | 3 | 4 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 1 |
| Thermal Expansion | 9 | 9 | 7 | 4 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 1 |
| Thermohaline Circulation | 11 | 5 | 10 | 7 | 7 | 1 | 6 | 5 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 54 | 38 | 53 | 29 | 24 | 11 | 23 | 15 | 20 | 18 | 20 | 8 | 7 | 6 | 7 | 6 | 1 | 0 | 1 | 1 | 5 | 5 | 5 | 2 |
| Climate Feedbacks | 63 | 45 | 58 | 35 | 30 | 14 | 25 | 17 | 23 | 22 | 23 | 12 | 10 | 9 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Albedo | 32 | 25 | 29 | 17 | 14 | 7 | 11 | 8 | 15 | 15 | 15 | 8 | 3 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deforestation | 4 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 33 | 22 | 31 | 20 | 16 | 7 | 14 | 9 | 9 | 8 | 9 | 5 | 8 | 7 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water Cycle | 8 | 7 | 7 | 2 | 5 | 4 | 4 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carbon Cycle | 60 | 34 | 53 | 36 | 26 | 11 | 20 | 17 | 12 | 10 | 12 | 7 | 17 | 9 | 16 | 10 | 0 | 0 | 0 | 0 | 5 | 4 | 5 | 2 |
| Biogeochemical Processes | 22 | 13 | 20 | 13 | 7 | 4 | 6 | 5 | 3 | 1 | 3 | 2 | 10 | 6 | 9 | 5 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| Sources and Sinks | 28 | 19 | 25 | 13 | 9 | 5 | 7 | 6 | 3 | 3 | 3 | 0 | 13 | 8 | 12 | 6 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 1 |
| General/Other | 48 | 27 | 42 | 29 | 21 | 9 | 16 | 12 | 9 | 7 | 9 | 7 | 14 | 8 | 13 | 8 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 1 |
| Regional Climate | 30 | 19 | 26 | 19 | 18 | 9 | 14 | 9 | 6 | 6 | 6 | 4 | 6 | 4 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Climate Compared to Weather | 14 | 13 | 12 | 7 | 4 | 4 | 3 | 0 | 9 | 8 | 8 | 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 15 | 11 | 15 | 10 | 6 | 4 | 6 | 3 | 4 | 2 | 4 | 4 | 5 | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

# Gap and Thin Spot Analysis of the CLEAN Collection of Educational Resources

| Topic Level | Total | | | | Activity | | | | Video | | | | Visualization | | | | Curricula | | | | Demos/ Experiments | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Causes of Climate Change | 167 | 121 | 155 | 101 | 64 | 30 | 53 | 38 | 57 | 53 | 56 | 29 | 42 | 35 | 42 | 32 | 2 | 2 | 2 | 1 | 3 | 2 | 3 | 2 |
| Cyclical and Natural Changes | 59 | 40 | 53 | 39 | 28 | 11 | 23 | 17 | 15 | 14 | 14 | 7 | 16 | 15 | 16 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| El Nino, La Nina, ENSO | 12 | 8 | 12 | 7 | 7 | 3 | 7 | 4 | 3 | 3 | 3 | 1 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Long-term Variability | 4 | 2 | 4 | 3 | 1 | 0 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seasonal Variability | 14 | 10 | 12 | 7 | 10 | 6 | 8 | 4 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solar Output Variability | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Volcanic Eruptions | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 33 | 22 | 31 | 27 | 10 | 8 | 9 | 8 | 10 | 9 | 10 | 5 | 13 | 12 | 13 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Anthropogenic Changes | 101 | 79 | 94 | 60 | 29 | 15 | 23 | 18 | 40 | 39 | 39 | 19 | 29 | 23 | 29 | 22 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 2 |
| Greenhouse Gas Emissions | 45 | 30 | 40 | 33 | 17 | 7 | 13 | 13 | 18 | 17 | 17 | 11 | 8 | 5 | 8 | 8 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 2 |
| Land Use Changes | 11 | 7 | 10 | 5 | 4 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 60 | 52 | 57 | 32 | 11 | 7 | 9 | 5 | 27 | 27 | 26 | 11 | 21 | 17 | 21 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 46 | 35 | 45 | 29 | 16 | 9 | 15 | 8 | 20 | 17 | 20 | 13 | 9 | 8 | 9 | 7 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 |
| Measuring and Modeling Climate | 307 | 224 | 285 | 212 | 106 | 53 | 87 | 66 | 118 | 104 | 115 | 74 | 82 | 66 | 82 | 74 | 2 | 1 | 2 | 1 | 4 | 4 | 4 | 1 |
| Climate Data | 250 | 192 | 233 | 168 | 86 | 48 | 71 | 52 | 108 | 97 | 106 | 67 | 56 | 47 | 56 | 51 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 1 |
| Measurements & Observations | 189 | 157 | 178 | 122 | 51 | 30 | 42 | 29 | 95 | 88 | 93 | 56 | 43 | 39 | 43 | 39 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 1 |
| Paleoclimate Records | 32 | 21 | 29 | 22 | 14 | 7 | 11 | 11 | 13 | 9 | 13 | 8 | 5 | 5 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Proxy Data | 30 | 21 | 27 | 20 | 13 | 7 | 10 | 8 | 14 | 11 | 14 | 10 | 3 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 75 | 48 | 73 | 63 | 27 | 12 | 25 | 21 | 22 | 17 | 22 | 18 | 26 | 19 | 26 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Global Climate Modeling | 59 | 28 | 52 | 52 | 24 | 3 | 17 | 22 | 10 | 7 | 10 | 8 | 24 | 17 | 24 | 22 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| Climate Projections | 11 | 2 | 10 | 10 | 7 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 4 | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Climate Reconstructions | 5 | 2 | 5 | 4 | 4 | 1 | 4 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Scenario Development | 11 | 5 | 11 | 11 | 4 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 7 | 5 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 42 | 23 | 36 | 36 | 13 | 2 | 7 | 12 | 10 | 7 | 10 | 8 | 18 | 13 | 18 | 16 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| General/Other | 86 | 60 | 82 | 66 | 24 | 15 | 21 | 16 | 33 | 26 | 32 | 25 | 30 | 20 | 30 | 26 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| Nature of Climate Science | 42 | 25 | 37 | 32 | 22 | 9 | 17 | 17 | 16 | 13 | 16 | 13 | 3 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| Common Misconceptions | 2 | 0 | 2 | 2 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Process of Science | 30 | 21 | 25 | 22 | 15 | 7 | 10 | 11 | 14 | 13 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| General/Other | 16 | 7 | 15 | 13 | 8 | 3 | 7 | 6 | 5 | 2 | 5 | 5 | 3 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Key:

# Total Number of Resources
# Middle School
# High School
# College

Some resources are relevant to multiple grade levels; therefore the total (#) is less than sum of (#), (#), (#).

February 2020

# Gap and Thin Spot Analysis of the CLEAN Collection of Educational Resources

| Topic Level | Total | | | | Activity | | | | Video | | | | Visualization | | | | Curricula | | | | Demos/ Experiments | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Human Responses to Climate | 130 | 97 | 123 | 74 | 57 | 29 | 52 | 32 | 49 | 48 | 47 | 28 | 21 | 18 | 21 | 13 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| Adaption Strategies | 21 | 16 | 20 | 11 | 8 | 4 | 8 | 3 | 10 | 10 | 9 | 7 | 1 | 1 | 1 | 0 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| New Infrastructure | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Retrofitting Infrastructure | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Social Innovation | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 20 | 15 | 19 | 10 | 8 | 4 | 8 | 3 | 9 | 9 | 8 | 6 | 1 | 1 | 1 | 0 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| Mitigation Strategies | 72 | 55 | 68 | 34 | 37 | 23 | 34 | 18 | 23 | 23 | 22 | 10 | 10 | 8 | 10 | 5 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| Carbon Capture and Storage | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carob-Free Energy | 10 | 8 | 10 | 3 | 4 | 2 | 4 | 1 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emissions Reduction | 33 | 27 | 30 | 14 | 19 | 14 | 17 | 8 | 9 | 9 | 8 | 4 | 5 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Land Use Changes | 6 | 5 | 6 | 4 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 42 | 31 | 40 | 19 | 15 | 7 | 14 | 8 | 17 | 17 | 16 | 6 | 8 | 6 | 8 | 4 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| Personal Responsibility | 28 | 25 | 27 | 11 | 12 | 10 | 11 | 7 | 9 | 9 | 9 | 1 | 6 | 5 | 6 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Risk Management | 11 | 7 | 11 | 10 | 4 | 1 | 4 | 3 | 1 | 1 | 1 | 1 | 6 | 5 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 69 | 50 | 65 | 42 | 24 | 9 | 22 | 17 | 31 | 30 | 29 | 17 | 11 | 9 | 11 | 7 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| Energy Use | 153 | 112 | 140 | 85 | 68 | 42 | 57 | 35 | 54 | 48 | 52 | 29 | 25 | 19 | 25 | 17 | 0 | 0 | 0 | 0 | 6 | 3 | 6 | 4 |
| Carbon Capture and Storage | 2 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Efficiency and Conservation | 47 | 37 | 45 | 22 | 28 | 20 | 26 | 14 | 13 | 12 | 13 | 6 | 5 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| Energy Infrastructure | 13 | 12 | 13 | 10 | 8 | 8 | 8 | 5 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Energy Policy | 6 | 4 | 5 | 4 | 5 | 0 | 3 | 4 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fossil Fuels | 39 | 27 | 33 | 23 | 21 | 14 | 15 | 10 | 13 | 11 | 13 | 8 | 4 | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Nuclear Energy | 9 | 7 | 9 | 5 | 5 | 4 | 5 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Alternatives | 43 | 30 | 41 | 22 | 16 | 9 | 14 | 7 | 15 | 13 | 15 | 6 | 7 | 6 | 7 | 5 | 0 | 0 | 0 | 0 | 5 | 2 | 5 | 4 |
| Solar Energy | 32 | 24 | 31 | 13 | 18 | 12 | 17 | 7 | 10 | 9 | 10 | 4 | 3 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| Wind Energy | 27 | 22 | 24 | 13 | 14 | 11 | 12 | 6 | 7 | 6 | 6 | 3 | 6 | 5 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Usage Trends | 15 | 9 | 15 | 12 | 8 | 5 | 8 | 6 | 2 | 2 | 2 | 1 | 5 | 2 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 58 | 42 | 55 | 33 | 21 | 13 | 19 | 11 | 23 | 21 | 22 | 11 | 13 | 7 | 13 | 11 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |

# Gap and Thin Spot Analysis of the CLEAN Collection of Educational Resources

| Topic Level | Total | | | | Activity | | | | Video | | | | Visualization | | | | Curricula | | | | Demos/ Experiments | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Impacts of Climate Change | 276 | 220 | 260 | 160 | 83 | 47 | 73 | 33 | 125 | 116 | 120 | 75 | 63 | 53 | 63 | 52 | 4 | 2 | 4 | 2 | 5 | 5 | 4 | 2 |
| Agricultural Changes/Food Security | 13 | 11 | 13 | 7 | 4 | 2 | 4 | 2 | 5 | 5 | 5 | 2 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Availability of Water Resources | 30 | 28 | 29 | 17 | 4 | 3 | 4 | 2 | 16 | 16 | 15 | 7 | 10 | 9 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drought | 15 | 15 | 14 | 8 | 1 | 1 | 1 | 0 | 9 | 9 | 8 | 3 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 21 | 19 | 21 | 14 | 4 | 3 | 4 | 2 | 10 | 10 | 10 | 7 | 7 | 6 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Economic Impacts | 14 | 12 | 14 | 11 | 4 | 2 | 4 | 2 | 9 | 9 | 9 | 8 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ecosystem Changes | 69 | 61 | 62 | 27 | 21 | 15 | 16 | 3 | 41 | 40 | 39 | 20 | 7 | 6 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extreme Weather | 46 | 36 | 41 | 30 | 11 | 5 | 9 | 4 | 24 | 21 | 21 | 16 | 11 | 10 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drought | 15 | 15 | 14 | 8 | 1 | 1 | 1 | 0 | 9 | 9 | 8 | 3 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heat Waves | 7 | 7 | 6 | 6 | 0 | 0 | 0 | 0 | 6 | 6 | 5 | 5 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heavy Precipitation/Floods | 5 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 5 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hurricanes and Storms | 9 | 4 | 7 | 4 | 7 | 2 | 5 | 3 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| General/Other | 25 | 19 | 23 | 18 | 4 | 2 | 4 | 2 | 16 | 13 | 14 | 12 | 5 | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Melting Ice and Permafrost | 78 | 66 | 74 | 46 | 25 | 17 | 22 | 9 | 38 | 35 | 37 | 24 | 16 | 15 | 16 | 14 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| National Security | 4 | 4 | 4 | 3 | 1 | 1 | 1 | 0 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ocean Warming/Acidification | 32 | 25 | 31 | 13 | 13 | 8 | 12 | 3 | 10 | 10 | 10 | 4 | 6 | 4 | 6 | 5 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 2 |
| Plants and Animals | 70 | 60 | 65 | 28 | 24 | 16 | 20 | 2 | 38 | 37 | 37 | 20 | 7 | 6 | 7 | 5 | 3 | 2 | 3 | 2 | 0 | 0 | 0 | 0 |
| Public Health | 19 | 13 | 19 | 15 | 4 | 1 | 4 | 3 | 11 | 10 | 11 | 10 | 3 | 2 | 3 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Sea Level Rise | 56 | 48 | 51 | 38 | 14 | 11 | 11 | 5 | 21 | 17 | 20 | 15 | 19 | 18 | 19 | 17 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 |
| General/Other | 127 | 100 | 121 | 76 | 26 | 12 | 24 | 14 | 63 | 58 | 59 | 35 | 35 | 28 | 35 | 26 | 3 | 1 | 3 | 2 | 0 | 0 | 0 | 0 |