

Appendix A Ranking of low- and middle-income countries by the country level climate–agriculture–gender inequality hotspot index

| Ranking | Country | Climate hazard indicator | | Exposure indicator | | Vulnerability linked to gender inequality indicator | | Risk index | Robustness test | |
|---------|-----------------------------|---|--------------|---|--------------|---|--------------|---|----------------------|-----------------------------------|
| | | Share of total rural population under climate hazard 2050 (CCAFS) | Standardized | Share of adult female agricultural labor 2019 (ILO) | Standardized | Social Institutions and Gender Index 2014 (OECD) | Standardized | Risk index based on average of standardized variables | PCA-based risk index | Risk index Anderson (2008) method |
| 1 | Yemen | 0.707 | 0.930 | 0.615 | 1.170 | 0.563 | 2.453 | 1.518 | 1.939 | 1.398 |
| 2 | Bangladesh | 0.909 | 1.734 | 0.656 | 1.469 | 0.390 | 1.210 | 1.471 | 1.026 | 1.516 |
| 3 | Somalia | 0.781 | 1.224 | 0.514 | 0.451 | 0.459 | 1.708 | 1.127 | 0.875 | 1.108 |
| 4 | Pakistan | 0.749 | 1.097 | 0.687 | 1.687 | 0.301 | 0.575 | 1.120 | 1.029 | 1.146 |
| 5 | Sudan | 0.422 | -0.208 | 0.607 | 1.112 | 0.555 | 2.393 | 1.099 | 2.328 | 0.875 |
| 6 | Gambia | 0.441 | -0.134 | 0.594 | 1.025 | 0.524 | 2.171 | 1.021 | 2.100 | 0.822 |
| 7 | Afghanistan | 0.676 | 0.806 | 0.640 | 1.349 | 0.322 | 0.726 | 0.960 | 1.020 | 0.954 |
| 8 | Nepal | 0.744 | 1.075 | 0.587 | 0.972 | 0.323 | 0.730 | 0.926 | 0.663 | 0.954 |
| 9 | Syrian Arab Republic | 0.805 | 1.321 | 0.391 | -0.436 | 0.416 | 1.398 | 0.761 | 0.054 | 0.794 |
| 10 | Lebanon | 0.924 | 1.794 | 0.444 | -0.053 | 0.290 | 0.492 | 0.744 | -0.458 | 0.883 |
| 11 | Chad | 0.482 | 0.032 | 0.490 | 0.274 | 0.467 | 1.759 | 0.688 | 1.277 | 0.553 |
| 12 | India | 0.679 | 0.819 | 0.580 | 0.924 | 0.265 | 0.315 | 0.686 | 0.474 | 0.721 |
| 13 | Zambia | 0.381 | -0.373 | 0.548 | 0.693 | 0.449 | 1.633 | 0.651 | 1.639 | 0.477 |
| 14 | Sri Lanka | 0.845 | 1.482 | 0.539 | 0.628 | 0.189 | -0.227 | 0.627 | -0.333 | 0.775 |
| 15 | Egypt | 0.462 | -0.047 | 0.509 | 0.412 | 0.428 | 1.483 | 0.616 | 1.226 | 0.491 |
| 16 | Morocco | 0.769 | 1.178 | 0.656 | 1.465 | 0.105 | -0.831 | 0.604 | -0.037 | 0.749 |
| 17 | Gabon | 0.084 | -1.558 | 0.686 | 1.679 | 0.402 | 1.298 | 0.473 | 2.563 | 0.187 |
| 18 | Mali | 0.192 | -1.127 | 0.501 | 0.355 | 0.516 | 2.116 | 0.448 | 2.028 | 0.172 |
| 19 | Uzbekistan | 0.911 | 1.744 | 0.468 | 0.118 | 0.148 | -0.527 | 0.445 | -0.966 | 0.651 |
| 20 | Swaziland | 0.855 | 1.521 | 0.420 | -0.228 | 0.212 | -0.066 | 0.409 | -0.812 | 0.567 |
| 21 | Iraq | 0.710 | 0.942 | 0.446 | -0.036 | 0.263 | 0.301 | 0.402 | -0.219 | 0.472 |
| 22 | Niger | 0.320 | -0.615 | 0.482 | 0.215 | 0.442 | 1.580 | 0.393 | 1.389 | 0.210 |
| 23 | Tajikistan | 0.562 | 0.350 | 0.629 | 1.276 | 0.139 | -0.586 | 0.347 | 0.331 | 0.396 |
| 24 | Uganda | 0.573 | 0.396 | 0.532 | 0.574 | 0.216 | -0.034 | 0.312 | 0.196 | 0.340 |
| 25 | DR Congo | 0.151 | -1.292 | 0.555 | 0.739 | 0.428 | 1.480 | 0.309 | 1.948 | 0.056 |
| 26 | Mongolia | 1.000 | 2.099 | 0.464 | 0.088 | 0.035 | -1.337 | 0.283 | -1.641 | 0.586 |
| 27 | Myanmar | 0.531 | 0.227 | 0.444 | -0.056 | 0.294 | 0.519 | 0.230 | 0.197 | 0.214 |
| 28 | Mozambique | 0.527 | 0.210 | 0.571 | 0.861 | 0.138 | -0.599 | 0.157 | 0.105 | 0.204 |
| 29 | Nigeria | 0.472 | -0.008 | 0.346 | -0.755 | 0.391 | 1.218 | 0.152 | 0.273 | 0.076 |
| 30 | Kenya | 0.410 | -0.256 | 0.545 | 0.670 | 0.216 | -0.039 | 0.125 | 0.523 | 0.088 |
| 31 | Cameroon | 0.265 | -0.836 | 0.545 | 0.672 | 0.280 | 0.424 | 0.087 | 1.052 | -0.041 |
| 32 | Azerbaijan | 0.276 | -0.793 | 0.578 | 0.904 | 0.240 | 0.138 | 0.083 | 1.007 | -0.024 |
| 33 | Thailand | 0.736 | 1.044 | 0.453 | 0.014 | 0.106 | -0.828 | 0.077 | -0.938 | 0.240 |
| 34 | Lesotho | 0.754 | 1.115 | 0.455 | 0.027 | 0.088 | -0.957 | 0.062 | -1.040 | 0.242 |
| 35 | Togo | 0.626 | 0.605 | 0.415 | -0.264 | 0.186 | -0.252 | 0.030 | -0.580 | 0.113 |
| 36 | United Republic Of Tanzania | 0.334 | -0.558 | 0.512 | 0.433 | 0.250 | 0.210 | 0.028 | 0.646 | -0.051 |
| 37 | Armenia | 0.282 | -0.767 | 0.554 | 0.732 | 0.236 | 0.107 | 0.024 | 0.864 | -0.075 |
| 38 | Ghana | 0.483 | 0.035 | 0.378 | -0.528 | 0.299 | 0.557 | 0.021 | -0.012 | -0.006 |

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| | | Share of total rural population under climate hazard 2050 (CCAFS) | | Share of adult female agricultural labor 2019 (ILO) | | Social Institutions and Gender Index 2014 (OECD) | | Risk index based on average of standardized variables | PCA-based risk index | Risk index Anderson (2008) method |
| 39 | Mauritania | 0.284 | -0.760 | 0.386 | -0.468 | 0.395 | 1.249 | 0.007 | 0.788 | -0.150 |
| 40 | Turkey | 0.374 | -0.401 | 0.628 | 1.265 | 0.103 | -0.845 | 0.006 | 0.466 | 0.003 |
| 41 | Zimbabwe | 0.491 | 0.065 | 0.525 | 0.529 | 0.139 | -0.587 | 0.002 | -0.047 | 0.041 |
| 42 | Ivory Coast | 0.508 | 0.134 | 0.400 | -0.372 | 0.254 | 0.234 | -0.001 | -0.153 | 0.002 |
| 43 | Benin | 0.469 | -0.022 | 0.390 | -0.439 | 0.278 | 0.408 | -0.018 | -0.024 | -0.041 |
| 44 | Malawi | 0.323 | -0.604 | 0.536 | 0.604 | 0.207 | -0.099 | -0.033 | 0.583 | -0.098 |
| 45 | Angola | 0.341 | -0.533 | 0.560 | 0.777 | 0.172 | -0.353 | -0.036 | 0.508 | -0.079 |
| 46 | China | 0.627 | 0.609 | 0.441 | -0.078 | 0.131 | -0.646 | -0.038 | -0.707 | 0.071 |
| 47 | Viet Nam | 0.388 | -0.343 | 0.514 | 0.447 | 0.187 | -0.248 | -0.048 | 0.279 | -0.073 |
| 48 | Kazakhstan | 0.610 | 0.540 | 0.448 | -0.026 | 0.120 | -0.727 | -0.071 | -0.696 | 0.037 |
| 49 | Jordan | 0.682 | 0.830 | 0.211 | -1.728 | 0.312 | 0.651 | -0.082 | -1.070 | -0.012 |
| 50 | Central African Republic | 0.082 | -1.565 | 0.518 | 0.477 | 0.329 | 0.770 | -0.106 | 1.439 | -0.327 |
| 51 | Cambodia | 0.549 | 0.299 | 0.529 | 0.552 | 0.048 | -1.243 | -0.130 | -0.540 | -0.020 |
| 52 | Guinea | 0.089 | -1.537 | 0.511 | 0.424 | 0.321 | 0.713 | -0.134 | 1.356 | -0.346 |
| 53 | Senegal | 0.458 | -0.066 | 0.423 | -0.202 | 0.199 | -0.162 | -0.143 | -0.208 | -0.133 |
| 54 | Liberia | 0.027 | -1.783 | 0.474 | 0.163 | 0.383 | 1.159 | -0.154 | 1.565 | -0.418 |
| 55 | Jamaica | 0.794 | 1.278 | 0.282 | -1.215 | 0.135 | -0.617 | -0.185 | -1.713 | 0.013 |
| 56 | Philippines | 0.642 | 0.668 | 0.322 | -0.932 | 0.177 | -0.320 | -0.194 | -1.090 | -0.085 |
| 57 | Namibia | 0.496 | 0.088 | 0.460 | 0.059 | 0.117 | -0.744 | -0.199 | -0.466 | -0.136 |
| 58 | Sierra Leone | 0.002 | -1.885 | 0.472 | 0.149 | 0.372 | 1.081 | -0.218 | 1.549 | -0.486 |
| 59 | Indonesia | 0.393 | -0.324 | 0.469 | 0.123 | 0.153 | -0.487 | -0.229 | -0.093 | -0.227 |
| 60 | Rwanda | 0.201 | -1.091 | 0.572 | 0.868 | 0.134 | -0.625 | -0.283 | 0.624 | -0.361 |
| 61 | Haiti | 0.780 | 1.221 | 0.236 | -1.549 | 0.147 | -0.534 | -0.287 | -1.858 | -0.094 |
| 62 | Kyrgyzstan | 0.289 | -0.738 | 0.489 | 0.272 | 0.160 | -0.439 | -0.302 | 0.204 | -0.347 |
| 63 | Tunisia | 0.436 | -0.153 | 0.369 | -0.592 | 0.199 | -0.161 | -0.302 | -0.430 | -0.292 |
| 64 | Georgia | 0.142 | -1.328 | 0.523 | 0.515 | 0.204 | -0.126 | -0.313 | 0.803 | -0.444 |
| 65 | Ecuador | 0.523 | 0.194 | 0.463 | 0.080 | 0.042 | -1.282 | -0.336 | -0.834 | -0.223 |
| 66 | Ethiopia | 0.190 | -1.133 | 0.444 | -0.052 | 0.245 | 0.171 | -0.338 | 0.536 | -0.460 |
| 67 | South Africa | 0.621 | 0.587 | 0.370 | -0.587 | 0.060 | -1.155 | -0.385 | -1.355 | -0.228 |
| 68 | Burkina Faso | 0.096 | -1.508 | 0.416 | -0.256 | 0.282 | 0.436 | -0.443 | 0.721 | -0.616 |
| 69 | Bhutan | 0.119 | -1.416 | 0.560 | 0.781 | 0.114 | -0.766 | -0.467 | 0.611 | -0.565 |
| 70 | Lao People's Democratic Republic | 0.136 | -1.351 | 0.517 | 0.468 | 0.145 | -0.549 | -0.477 | 0.514 | -0.578 |
| 71 | Burundi | 0.041 | -1.729 | 0.545 | 0.673 | 0.166 | -0.393 | -0.483 | 0.902 | -0.637 |
| 72 | Congo | 0.082 | -1.567 | 0.478 | 0.192 | 0.203 | -0.128 | -0.501 | 0.686 | -0.648 |
| 73 | Guatemala | 0.722 | 0.991 | 0.190 | -1.878 | 0.132 | -0.640 | -0.509 | -2.048 | -0.323 |
| 74 | Bolivia | 0.242 | -0.925 | 0.497 | 0.323 | 0.058 | -1.170 | -0.591 | -0.146 | -0.600 |
| 75 | El Salvador | 0.934 | 1.836 | 0.118 | -2.390 | 0.049 | -1.233 | -0.596 | -3.105 | -0.272 |
| 76 | Colombia | 0.653 | 0.714 | 0.228 | -1.602 | 0.086 | -0.967 | -0.618 | -1.958 | -0.441 |
| 77 | Peru | 0.191 | -1.132 | 0.483 | 0.222 | 0.083 | -0.993 | -0.634 | -0.017 | -0.675 |
| 78 | Nicaragua | 0.631 | 0.624 | 0.156 | -2.123 | 0.160 | -0.441 | -0.647 | -1.935 | -0.506 |
| 79 | Madagascar | 0.158 | -1.263 | 0.468 | 0.119 | 0.100 | -0.866 | -0.670 | 0.048 | -0.731 |
| 80 | Paraguay | 0.320 | -0.616 | 0.362 | -0.645 | 0.058 | -1.169 | -0.810 | -0.912 | -0.768 |
| 81 | Cuba | 0.601 | 0.506 | 0.235 | -1.557 | 0.021 | -1.435 | -0.829 | -2.140 | -0.637 |

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| 82 | Costa Rica | 0.595 | 0.481 | 0.195 | -1.840 | 0.051 | -1.222 | -0.861 | -2.182 | -0.681 |
| 83 | Honduras | 0.534 | 0.238 | 0.164 | -2.065 | 0.107 | -0.815 | -0.881 | -1.975 | -0.751 |
| 84 | Brazil | 0.422 | -0.207 | 0.239 | -1.526 | 0.046 | -1.256 | -0.997 | -1.715 | -0.889 |
| 85 | Dominican Republic | 0.594 | 0.479 | 0.093 | -2.569 | 0.037 | -1.322 | -1.137 | -2.725 | -0.935 |
| 86 | Argentina | 0.302 | -0.688 | 0.273 | -1.283 | 0.011 | -1.508 | -1.160 | -1.517 | -1.085 |
| 87 | Venezuela | 0.245 | -0.917 | 0.070 | -2.739 | 0.039 | -1.306 | -1.654 | -2.258 | -1.584 |

Note: Focus countries that were chosen for identification of subnational climate–agriculture–gender inequality hotspots are highlighted.