

# Morocco

## Detailed Human Capital projections to 2060

| Demographic indicators, CEPAM Medium Scenario (SSP2) |           |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
|  | 2015      | 2020      | 2030      | 2040      | 2050      | 2060      |
| Population (in millions)                             | 34.80     | 36.82     | 39.66     | 41.33     | 42.04     | 41.75     |
| Proportion age 65+                                   | 6.4%      | 7.6%      | 11.4%     | 14.6%     | 18.4%     | 22.7%     |
| Proportion below age 20                              | 36.2%     | 34.8%     | 31.0%     | 26.1%     | 23.8%     | 21.9%     |
|  | 2015-2020 | 2020-2025 | 2030-2035 | 2040-2045 | 2050-2055 | 2055-2060 |
| Total Fertility Rate                                 | 2.37      | 2.14      | 1.89      | 1.77      | 1.70      | 1.65      |
| Life expectancy at birth (in years)                  |           |           |           |           |           |           |
| Male   | 74.9      | 75.7      | 77.3      | 78.9      | 80.5      | 81.3      |
| Female   | 77.3      | 78.3      | 80.1      | 82.0      | 83.8      | 85.7      |
| Five-year net-migration flow (in thousands)          | -428.6    | -452.8    | -484.8    | -501.1    | -506.7    | -500.1    |

| Human Capital indicators, CEPAM Medium Scenario (SSP2)   |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|
|  | 2015  | 2020  | 2030  | 2040  | 2050  | 2060  |
| <b>Population age 25+: highest educational attainment (columns sum to 100%)</b>                                |       |       |       |       |       |       |
| E1 - no education  | 48.4% | 42.4% | 31.7% | 22.7% | 15.4% | 9.8%  |
| E2 - incomplete primary  | 6.3%  | 6.0%  | 5.3%  | 4.3%  | 3.4%  | 2.5%  |
| E3 - primary   | 16.5% | 17.6% | 18.5% | 17.4% | 15.3% | 12.9% |
| E4 - lower secondary   | 10.7% | 12.0% | 14.1% | 15.3% | 15.4% | 14.6% |
| E5 - upper secondary   | 9.8%  | 12.0% | 16.4% | 21.3% | 25.6% | 28.9% |
| E6 - post-secondary  | 8.3%  | 10.1% | 13.9% | 19.1% | 24.9% | 31.2% |
| Mean years of schooling (in years)   | 4.8   | 5.5   | 6.9   | 8.4   | 9.7   | 10.8  |
| <b>Gender gap (population age 25+): highest educational attainment (proportion males - proportion females)</b> |       |       |       |       |       |       |
| E1 - no education  | -21.0 | -20.0 | -17.0 | -14.0 | -11.0 | -8.0  |
| E2 - incomplete primary  | 3.0   | 3.0   | 2.0   | 1.0   | 1.0   | 0.0   |
| E3 - primary   | 9.0   | 9.0   | 8.0   | 6.0   | 4.0   | 3.0   |
| E4 - lower secondary   | 4.0   | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| E5 - upper secondary   | 3.0   | 3.0   | 3.0   | 3.0   | 3.0   | 4.0   |
| E6 - post-secondary  | 3.0   | 2.0   | 2.0   | 1.0   | -1.0  | -3.0  |
| Mean years of schooling (in years)   | 1.8   | 1.7   | 1.5   | 1.2   | 0.9   | 0.5   |
| <b>Women age 20-39: highest educational attainment (columns sum to 100%)</b>                                   |       |       |       |       |       |       |
| E1 - no education  | 35.7% | 26.3% | 10.4% | 3.5%  | 1.1%  | 0.3%  |
| E2 - incomplete primary  | 6.0%  | 4.6%  | 2.5%  | 1.1%  | 0.5%  | 0.2%  |
| E3 - primary   | 15.4% | 16.5% | 16.1% | 10.8% | 5.9%  | 2.4%  |
| E4 - lower secondary   | 14.0% | 15.5% | 17.1% | 14.8% | 10.9% | 6.3%  |
| E5 - upper secondary   | 16.8% | 21.5% | 30.7% | 36.8% | 38.3% | 36.7% |
| E6 - post-secondary  | 12.2% | 15.6% | 23.2% | 32.9% | 43.3% | 54.2% |
| Mean years of schooling (in years)   | 6.5   | 7.8   | 10.3  | 11.9  | 13.0  | 13.9  |

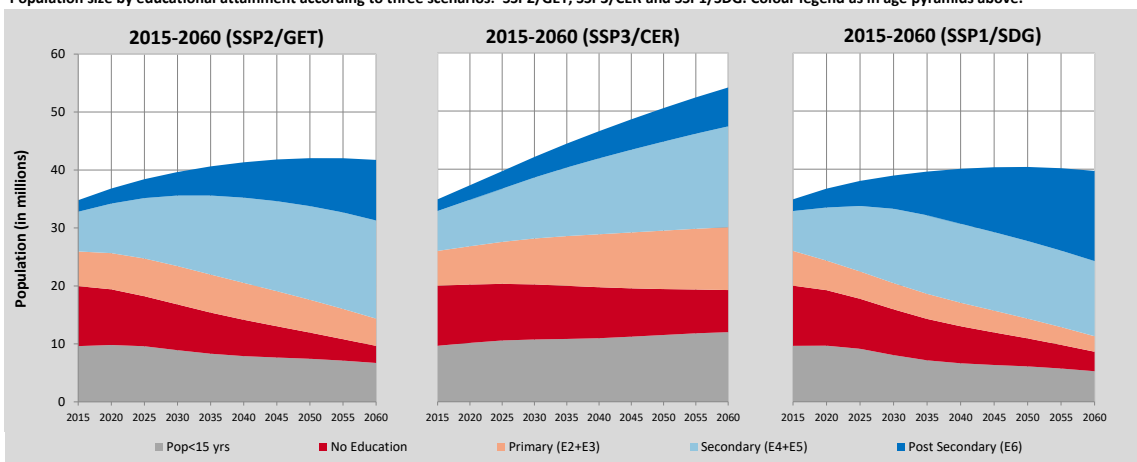
### Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)

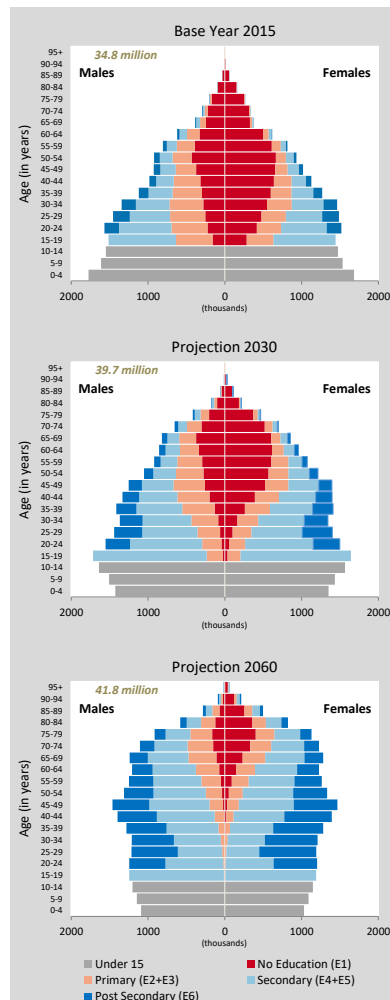
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

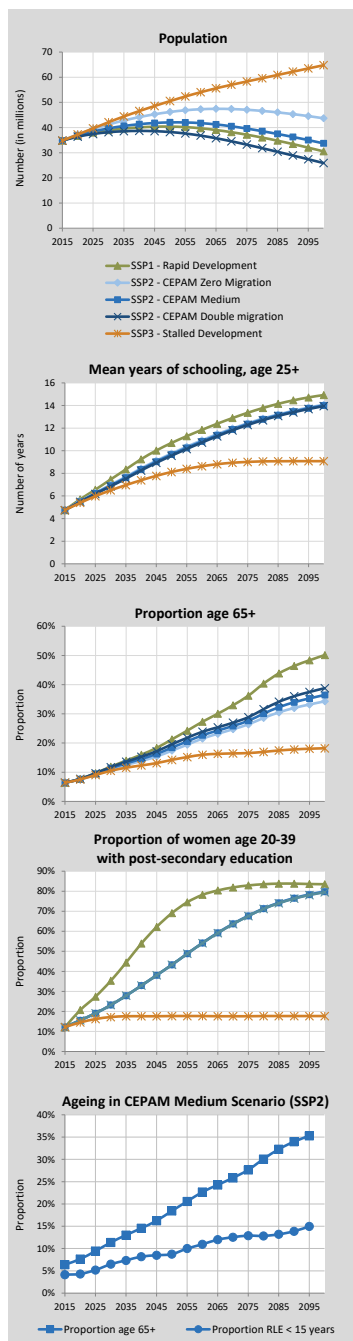
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



## Pyramids by education, CEPAM Medium Scenario



## Morocco (Continued)



### Alternative Scenarios to 2100

| Projection Results by Scenario (SSP1-3)                            |           |           |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|  | 2015      | 2020      | 2030      | 2050      | 2060      | 2075      | 2100      |
| <b>Population (in millions)</b>                                    |           |           |           |           |           |           |           |
| SSP1 - Rapid Development   | 34.80     | 36.66     | 38.91     | 40.38     | 39.71     | 37.16     | 30.53     |
| SSP2 - CEPAM Zero Migration  | 34.80     | 37.27     | 41.22     | 46.19     | 47.28     | 47.06     | 43.68     |
| SSP2 - CEPAM Medium  | 34.80     | 36.82     | 39.66     | 42.04     | 41.75     | 39.59     | 33.71     |
| SSP2 - CEPAM Double Migration                                      | 34.80     | 36.36     | 38.14     | 38.22     | 36.80     | 33.20     | 25.88     |
| SSP3 - Stalled Development   | 34.80     | 37.22     | 42.11     | 50.50     | 54.05     | 58.31     | 64.78     |
| <b>Proportion age 65+</b>  |           |           |           |           |           |           |           |
| SSP1 - Rapid Development   | 6.4%      | 7.7%      | 11.9%     | 21.3%     | 27.3%     | 36.2%     | 50.1%     |
| SSP2 - CEPAM Zero Migration  | 6.4%      | 7.6%      | 11.0%     | 17.4%     | 21.5%     | 26.4%     | 34.3%     |
| SSP2 - CEPAM Medium  | 6.4%      | 7.6%      | 11.4%     | 18.4%     | 22.7%     | 27.6%     | 36.5%     |
| SSP2 - CEPAM Double Migration                                      | 6.4%      | 7.7%      | 11.7%     | 19.6%     | 23.9%     | 28.9%     | 38.8%     |
| SSP3 - Stalled Development   | 6.4%      | 7.5%      | 10.5%     | 14.2%     | 16.0%     | 16.6%     | 18.2%     |
| <b>Proportion below age 20</b>                                     |           |           |           |           |           |           |           |
| SSP1 - Rapid Development   | 36.2%     | 34.5%     | 29.2%     | 20.3%     | 18.2%     | 14.6%     | 11.6%     |
| SSP2 - CEPAM Zero Migration  | 36.2%     | 34.6%     | 30.8%     | 23.6%     | 21.7%     | 19.0%     | 16.7%     |
| SSP2 - CEPAM Medium  | 36.2%     | 34.8%     | 31.0%     | 23.8%     | 21.9%     | 19.0%     | 16.5%     |
| SSP2 - CEPAM Double Migration                                      | 36.2%     | 35.0%     | 31.2%     | 23.9%     | 22.1%     | 19.0%     | 16.3%     |
| SSP3 - Stalled Development   | 36.2%     | 35.3%     | 33.5%     | 29.9%     | 29.2%     | 28.1%     | 27.5%     |
| <b>Proportion of women age 20-39 with post-secondary education</b> |           |           |           |           |           |           |           |
| SSP1 - Rapid Development   | 12.2%     | 20.7%     | 35.3%     | 69.1%     | 78.2%     | 82.9%     | 83.5%     |
| SSP2 - CEPAM Zero Migration  | 12.2%     | 15.6%     | 23.2%     | 43.3%     | 54.2%     | 67.8%     | 80.0%     |
| SSP2 - CEPAM Medium  | 12.2%     | 15.6%     | 23.2%     | 43.3%     | 54.2%     | 67.7%     | 79.8%     |
| SSP2 - CEPAM Double Migration                                      | 12.2%     | 15.6%     | 23.2%     | 43.3%     | 54.1%     | 67.6%     | 79.5%     |
| SSP3 - Stalled Development   | 12.2%     | 14.5%     | 17.2%     | 17.7%     | 17.7%     | 17.6%     | 17.7%     |
| <b>Mean years of schooling, age 25+</b>                            |           |           |           |           |           |           |           |
| SSP1 - Rapid Development   | 4.8       | 5.7       | 7.5       | 10.7      | 11.9      | 13.4      | 14.9      |
| SSP2 - CEPAM Zero Migration  | 4.8       | 5.5       | 7.0       | 9.8       | 10.9      | 12.4      | 14.1      |
| SSP2 - CEPAM Medium  | 4.8       | 5.5       | 6.9       | 9.7       | 10.8      | 12.4      | 14.0      |
| SSP2 - CEPAM Double Migration                                      | 4.8       | 5.5       | 6.9       | 9.6       | 10.7      | 12.3      | 14.0      |
| SSP3 - Stalled Development   | 4.8       | 5.4       | 6.5       | 8.1       | 8.6       | 9.0       | 9.1       |
| <b>Demographic assumptions underlying SSPs</b>                     |           |           |           |           |           |           |           |
|  | 2015-2020 | 2020-2025 | 2030-2035 | 2050-2055 | 2060-2065 | 2075-2080 | 2095-2100 |
| <b>Total fertility rate</b>  |           |           |           |           |           |           |           |
| SSP1 - Rapid Development   | 2.24      | 1.90      | 1.58      | 1.46      | 1.43      | 1.39      | 1.40      |
| SSP2 - CEPAM Zero Migration  | 2.37      | 2.14      | 1.89      | 1.70      | 1.65      | 1.60      | 1.60      |
| SSP2 - CEPAM Medium  | 2.37      | 2.14      | 1.89      | 1.70      | 1.65      | 1.60      | 1.60      |
| SSP2 - CEPAM Double Migration                                      | 2.37      | 2.14      | 1.89      | 1.70      | 1.65      | 1.60      | 1.60      |
| SSP3 - Stalled Development   | 2.58      | 2.55      | 2.50      | 2.39      | 2.35      | 2.29      | 2.33      |
| <b>Life expectancy at birth for females (in years)</b>             |           |           |           |           |           |           |           |
| SSP1 - Rapid Development   | 77.9      | 79.3      | 82.3      | 88.0      | 90.8      | 95.3      | 101.1     |
| SSP2 - CEPAM Zero Migration  | 77.3      | 78.3      | 80.1      | 83.8      | 85.7      | 88.5      | 92.2      |
| SSP2 - CEPAM Medium  | 77.3      | 78.3      | 80.1      | 83.8      | 85.7      | 88.5      | 92.2      |
| SSP2 - CEPAM Double Migration                                      | 77.3      | 78.3      | 80.1      | 83.8      | 85.7      | 88.5      | 92.2      |
| SSP3 - Stalled Development   | 76.8      | 77.2      | 77.9      | 79.2      | 79.8      | 80.7      | 82.0      |
| <b>Migration – net flow over five years (in thousands)</b>         |           |           |           |           |           |           |           |
| SSP1 - Rapid Development   | -428.8    | -451.4    | -477.4    | -489.4    | -479.0    | -443.9    | -377.5    |
| SSP2 - CEPAM Zero Migration  | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       |
| SSP2 - CEPAM Medium  | -428.6    | -452.8    | -484.8    | -506.7    | -500.1    | -469.3    | -410.8    |
| SSP2 - CEPAM Double Migration                                      | -857.2    | -893.6    | -930.1    | -914.9    | -873.9    | -778.5    | -633.6    |
| SSP3 - Stalled Development   | -285.7    | -152.8    | -0.5      | -0.6      | -0.6      | -0.7      | -0.7      |
| <b>Ageing indicators, CEPAM Medium Scenario (SSP2)</b>             |           |           |           |           |           |           |           |
|  | 2015      | 2020      | 2030      | 2050      | 2060      | 2075      | 2095      |
| Median age   | 27.9      | 29.5      | 33.1      | 39.6      | 43.4      | 48.1      | 52.6      |
| Proportion age 65+   | 6.4%      | 7.6%      | 11.4%     | 18.4%     | 22.7%     | 27.6%     | 35.3%     |
| Proportion RLE < 15 years  | 4.2%      | 4.3%      | 6.5%      | 8.7%      | 11.0%     | 12.9%     | 15.0%     |