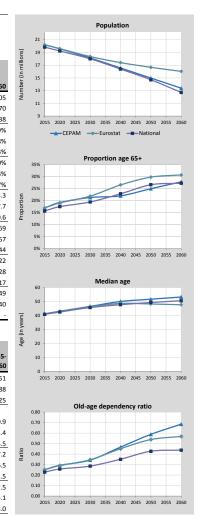
### Romania

### Detailed Human Capital projections to 2060

### Comparison of CEPAM projections with other sources

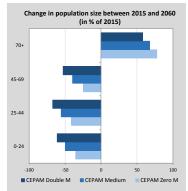
|   |          | 2015  | 2020  | 2030  | 2040  | 2050  | 2060  |
|---|----------|-------|-------|-------|-------|-------|-------|
|   | CEPAM    | 19.87 | 19.25 | 17.80 | 16.23 | 14.64 | 13.05 |
| Population (in millions)                | Eurostat | 19.87 | 19.26 | 18.02 | 17.07 | 16.33 | 15.70 |
|   | National | 19.50 | 18.90 | 17.67 | 16.06 | 14.37 | 12.38 |
|   | CEPAM    | 17.0% | 19.3% | 21.3% | 22.0% | 25.0% | 27.9% |
| Proportion age 65+                      | Eurostat | 17.0% | 19.1% | 21.9% | 26.6% | 29.8% | 30.89 |
|   | National | 15.7% | 17.5% | 19.5% | 22.9% | 26.7% | 27.3% |
|   | CEPAM    | 20.9% | 20.5% | 18.9% | 17.3% | 16.6% | 16.09 |
| Proportion below age 20                 | Eurostat | 20.9% | 20.6% | 19.8% | 19.7% | 19.8% | 20.39 |
|   | National | 21.0% | 20.1% | 17.5% | 16.4% | 15.5% | 14.79 |
|   | CEPAM    | 41.3  | 43.1  | 46.6  | 50.1  | 51.7  | 53.3  |
| Median age                              | Eurostat | 41.1  | 42.9  | 46.3  | 48.7  | 48.3  | 47.   |
|   | National | 40.9  | 42.5  | 45.7  | 47.8  | 49.3  | 50.6  |
| Old dd                                  | CEPAM    | 0.25  | 0.29  | 0.34  | 0.47  | 0.59  | 0.69  |
| Old-age dependency ratio<br>(65+/15-64) | Eurostat | 0.25  | 0.29  | 0.35  | 0.45  | 0.54  | 0.5   |
| (05.715.04)                             | National | 0.23  | 0.26  | 0.29  | 0.35  | 0.43  | 0.4   |
| Young-age dependency ratio              | CEPAM    | 0.23  | 0.23  | 0.21  | 0.21  | 0.22  | 0.22  |
| (0-14/15-64)                            | Eurostat | 0.23  | 0.23  | 0.23  | 0.25  | 0.27  | 0.28  |
| (0 14)13 04)                            | National | 0.23  | 0.21  | 0.18  | 0.18  | 0.18  | 0.1   |
| Parent support ratio                    | CEPAM    | 0.09  | 0.10  | 0.11  | 0.20  | 0.28  | 0.49  |
| Parent support ratio<br>(85+/50-64)     | Eurostat | 0.08  | 0.10  | 0.11  | 0.18  | 0.25  | 0.4   |
| 103.730 0.7                             | National | -     | -     | -     | -     | -     |       |

| Demographic assumptions under  | ying projections |               |               |               |               |               |               |
|--|------------------|---------------|---------------|---------------|---------------|---------------|---------------|
|  |                  | 2010-<br>2015 | 2015-<br>2020 | 2025-<br>2030 | 2035-<br>2040 | 2045-<br>2050 | 2055-<br>2060 |
|  | CEPAM            | 1.50          | 1.51          | 1.50          | 1.51          | 1.51          | 1.51          |
| Total fertility rate   | Eurostat         | 1.64          | 1.75          | 1.80          | 1.85          | 1.87          | 1.88          |
|  | National         | 1.34          | 1.32          | 1.30          | 1.27          | 1.25          | 1.25          |
| Life expectancy at birth (in years)  |                  |               |               |               |               |               |               |
|  | CEPAM            | 72.2          | 73.2          | 74.3          | 76.5          | 78.7          | 80.9          |
| Male   | Eurostat         | 72.2          | 73.6          | 74.8          | 77.2          | 79.4          | 81.4          |
|  | National         | 72.3          | 73.0          | 73.7          | 74.6          | 75.3          | 75.5          |
|  | CEPAM            | 79.1          | 80.1          | 81.1          | 83.1          | 85.2          | 87.2          |
| Female   | Eurostat         | 79.3          | 80.4          | 81.3          | 83.2          | 84.9          | 86.5          |
|  | National         | 79.4          | 80.1          | 80.7          | 81.6          | 82.3          | 82.5          |
| Fire contract of the state of t | CEPAM            | -289.1        | -277.5        | -264.9        | -237.2        | -209.5        | -182.5        |
| Five-year net migration flow<br>(in thousands)   | Eurostat         | -314.4        | -329.0        | -298.8        | -25.0         | 8.1           | 14.1          |
| (iii diododiido)   | National         | -21.9         | -14.1         | -12.8         | -2.5          | 0.7           | 3.0           |



### Changes in population size and structure according to CEPAM scenarios (impact of migration)

| Population size according to CEPAM projections to 2060 |          |       |       |       |       |       |       |  |  |  |
|--|----------|-------|-------|-------|-------|-------|-------|--|--|--|
|  |          | 2015  | 2020  | 2030  | 2040  | 2050  | 2060  |  |  |  |
|  | Zero M   | 19.87 | 19.55 | 18.76 | 17.84 | 16.86 | 15.83 |  |  |  |
| Population (in millions)                               | Medium   | 19.87 | 19.25 | 17.80 | 16.23 | 14.64 | 13.05 |  |  |  |
|  | Double M | 19.87 | 18.94 | 16.86 | 14.73 | 12.67 | 10.69 |  |  |  |
|  | Zero M   | 5.30  | 5.10  | 4.67  | 4.17  | 3.75  | 3.42  |  |  |  |
| Population 0-24 (in millions)                          | Medium   | 5.30  | 5.01  | 4.37  | 3.67  | 3.10  | 2.68  |  |  |  |
|  | Double M | 5.30  | 4.91  | 4.07  | 3.20  | 2.53  | 2.07  |  |  |  |
|  | Zero M   | 5.78  | 5.37  | 4.66  | 4.11  | 3.83  | 3.41  |  |  |  |
| Population 25-44 (in millions)                         | Medium   | 5.78  | 5.19  | 4.17  | 3.48  | 3.11  | 2.57  |  |  |  |
|  | Double M | 5.78  | 5.01  | 3.70  | 2.92  | 2.50  | 1.90  |  |  |  |
|  | Zero M   | 6.47  | 6.62  | 6.40  | 6.22  | 5.40  | 4.87  |  |  |  |
| Population 45-69 (in millions)                         | Medium   | 6.47  | 6.59  | 6.24  | 5.77  | 4.63  | 3.90  |  |  |  |
|  | Double M | 6.47  | 6.56  | 6.08  | 5.33  | 3.93  | 3.06  |  |  |  |
|  | Zero M   | 2.32  | 2.46  | 3.03  | 3.34  | 3.88  | 4.13  |  |  |  |
| Population 70+ (in millions)                           | Medium   | 2.32  | 2.46  | 3.02  | 3.31  | 3.80  | 3.89  |  |  |  |
|  | Double M | 2.32  | 2.46  | 3.01  | 3.28  | 3.72  | 3.67  |  |  |  |



## Romania (Continued)

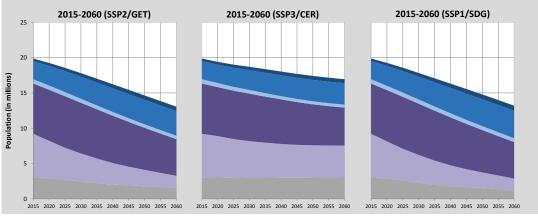
### Pyramids by education, CEPAM Medium

# Base Year 2015 Age (in years) Projection 2030 Age (in years) 1000 Projection 2060 13 million Males 1000 ■ Pop < 15 yrs ■ Upper secondary ■ Bachelor

#### **Detailed Human Capital projections to 2060**

| Human Capital indicators, CEPAM N              | 2015         | 2020         | 2030         | 2040         | 2050         | 2060  |
|--|--------------|--------------|--------------|--------------|--------------|-------|
|  |              |              |              |              |              |       |
| Population age 25+: highest educat             |              |              |              |              |              |       |
| E1-E4 - lower secondary and below              | 34.1%        | 30.7%        | 24.8%        | 20.2%        | 16.6%        | 13.49 |
| E5 - upper secondary                           | 43.1%        | 44.5%        | 46.3%        | 46.7%        | 45.9%        | 44.69 |
| E6 - short post-secondary                      | 4.0%         | 4.0%         | 4.0%         | 3.9%         | 4.1%         | 4.39  |
| E7 - bachelor                                  | 16.3%        | 18.0%        | 21.3%        | 24.7%        | 28.2%        | 31.69 |
| E8 - master and higher                         | 2.4%         | 2.9%         | 3.6%         | 4.5%         | 5.3%         | 6.09  |
| Mean years of schooling (in years)             | 10.91        | 11.21        | 11.71        | 12.09        | 12.42        | 12.7  |
| Age gap: highest educational attair            | nment (ratio | 35-44/50-6   | (4)          |              |              |       |
| E1-E4 - lower secondary and below              | 0.98         | 1.10         | 0.70         | 0.48         | 0.44         | 0.4   |
| E5 - upper secondary                           | 0.80         | 0.71         | 0.94         | 1.13         | 1.04         | 0.9   |
| E6 - short post-secondary                      | 0.99         | 1.30         | 1.06         | 1.14         | 1.20         | 1.1   |
| E7 - bachelor                                  | 1.70         | 1.73         | 1.43         | 1.22         | 1.19         | 1.1   |
| E8 - master and higher                         | 2.98         | 2.38         | 1.51         | 1.22         | 1.19         | 1.1   |
| Mean years of schooling<br>(35-44 minus 50-64) | 0.50         | 0.44         | 0.83         | 0.97         | 0.77         | 0.5   |
| Gender gap (population age 25+): h             | iahest educa | itional atta | inment (ra   | tio male/fe  | male)        |       |
| E1-E4 - lower secondary and below              | 0.74         | 0.76         | 0.83         | 0.92         | 1.00         | 1.0   |
| E5 - upper secondary                           | 1.32         | 1.29         | 1.25         | 1.24         | 1.27         | 1.3   |
| E6 - short post-secondary                      | 1.03         | 1.00         | 0.95         | 0.95         | 0.99         | 1.0   |
| E7 - bachelor                                  | 0.90         | 0.86         | 0.79         | 0.74         | 0.70         | 0.6   |
| E8 - master and higher                         | 0.88         | 0.88         | 0.86         | 0.84         | 0.82         | 0.8   |
| Mean years of schooling<br>(male minus female) | 0.55         | 0.37         | 0.05         | -0.19        | -0.35        | -0.4  |
| Women age 20-39: highest education             | onal attainm | ent (colum   | ns sum to 1  | 00%)         |              |       |
| E1-E4 - lower secondary and below              | 25%          | 19%          | 9%           | 5%           | 3%           | 19    |
| E5 - upper secondary                           | 39%          | 41%          | 45%          | 44%          | 41%          | 379   |
| E6 - short post-secondary                      | 4%           | 3%           | 4%           | 4%           | 4%           | 59    |
| E7 - bachelor                                  | 29%          | 32%          | 37%          | 41%          | 46%          | 509   |
| E8 - master and higher                         | 4%           | 5%           | 5%           | 6%           | 7%           | 79    |
| Mean years of schooling (in years)             | 11.97        | 12.37        | 13.00        | 13.38        | 13.68        | 13.9  |
| , of sensoning (in years)                      | 11.57        | 12.57        | 15.00        | 15.55        | 15.00        | 13.3  |
| Age gap among women: highest ed                |              |              |              |              |              |       |
| E1-E4 - lower secondary and below              | 0.82         | 0.97         | 0.61         | 0.40         | 0.36         | 0.3   |
| E5 - upper secondary                           | 0.78         | 0.67         | 0.94         | 1.13         | 0.98         | 0.8   |
| E6 - short post-secondary<br>E7 - bachelor     | 1.53<br>1.95 | 1.52<br>1.87 | 0.70<br>1.57 | 0.94<br>1.28 | 1.23<br>1.23 | 1.2   |
| E8 - master and higher                         | 3.59         | 2.43         | 1.57         | 1.28         | 1.23         | 1.2   |
| Mean years of schooling                        | 3.33         | 2.43         | 1.40         | 1.20         | 1.23         | 1.2   |
| (35-44 minus 50-64)                            | 1.26         | 1.12         | 1.27         | 1.40         | 1.10         | 0.8   |

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG



Colour legend as in pyramids above 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)

## Romania (Continued)

### Alternative scenarios to 2100

SSP2 - CEPAM Zero Migration

SSP2 - CEPAM Double Migration

SSP3 - Stalled Development

SSP1 - Rapid Development SSP2 - CEPAM Zero Migration

SSP2 - CEPAM Double Migration

SSP3 - Stalled Development

SSP2 - CEPAM Medium

SSP2 - CEPAM Medium

| Projection results by scenario (                          |                         |                   |               |              |              |              |              |  |
|---|-------------------------|-------------------|---------------|--------------|--------------|--------------|--------------|--|
|   | 2015                    | 2020              | 2030          | 2050         | 2060         | 2075         | 2100         | Population                                   |
| Population (in millions)                                  |                         |                   |               |              |              |              |              | 22   |
| SSP1 - Rapid Development                                  | 19.88                   | 19.25             | 17.82         | 14.78        | 13.20        | 10.78        | 7.50         | 20   |
| SSP2 - CEPAM Zero Migration                               | 19.88                   | 19.56             | 18.76         | 16.86        | 15.83        | 14.19        | 12.04        | 18   |
| SSP2 - CEPAM Medium                                       | 19.88                   | 19.25             | 17.80         | 14.64        | 13.05        | 10.73        | 7.93         | (So   16                                     |
| SSP2 - CEPAM Double Migration                             | 19.88                   | 18.94             | 16.86         | 12.67        | 10.69        | 8.01         | 5.18         | E 14   |
| SSP3 - Stalled Development                                | 19.88                   | 19.40             | 18.71         | 17.41        | 16.94        | 16.52        | 17.20        | <u>=</u> 12                                  |
|   |                         |                   |               |              |              |              |              | 10 10 10 10 10 10 10 10 10 10 10 10 10 1     |
| Proportion age 65+  |                         |                   |               |              |              |              |              | 2 10   |
| SSP1 - Rapid Development                                  | 17.0%                   | 19.4%             | 22.9%         | 36.3%        | 41.9%        | 48.1%        | 58.1%        |  |
| SSP2 - CEPAM Zero Migration                               | 17.0%                   | 19.0%             | 21.0%         | 29.2%        | 32.2%        | 34.5%        | 39.1%        | 6  |
| SSP2 - CEPAM Medium                                       | 17.0%                   | 19.3%             | 22.0%         | 32.5%        | 36.0%        | 38.3%        | 43.3%        | 2015 2025 2035 2045 2055 2065 2075 2085 2    |
| SSP2 - CEPAM Double Migration                             | 17.0%                   | 19.5%             | 23.1%         | 36.4%        | 40.4%        | 42.5%        | 47.3%        | SSP1 - Rapid Development                     |
| SSP3 - Stalled Development                                | 17.0%                   | 19.0%             | 20.2%         | 24.6%        | 24.4%        | 22.2%        | 21.9%        | SSP2 - CEPAM Zero Migration                  |
|   |                         |                   |               |              |              |              |              | SSP2 - CEPAM Medium                          |
| Proportion below age 20                                   |                         |                   |               |              |              |              |              | SSP2 - CEPAM Double Migration                |
| SSP1 - Rapid Development                                  | 20.9%                   | 20.3%             | 17.9%         | 14.0%        | 12.8%        | 10.8%        | 8.9%         | SSP3 - Stalled Development                   |
| SSP2 - CEPAM Zero Migration                               | 20.9%                   | 20.5%             | 19.3%         | 17.4%        | 16.9%        | 15.9%        | 15.0%        |  |
| SSP2 - CEPAM Medium                                       | 20.9%                   | 20.5%             | 18.9%         | 16.6%        | 16.0%        | 14.8%        | 14.0%        | Mean years of schooling, age 25+             |
| SSP2 - CEPAM Double Migration                             | 20.9%                   | 20.5%             | 18.5%         | 15.6%        | 15.0%        | 13.6%        | 13.0%        | 16   |
| SSP3 - Stalled Development                                | 20.9%                   | 20.9%             | 21.4%         | 23.0%        | 24.2%        | 25.0%        | 25.6%        | 14   |
|   |                         |                   |               |              |              |              |              | 12   |
| Proportion of women age 20-3                              | 9 with post-s           | econdary e        | ducation      |              |              |              |              |  |
| SSP1 - Rapid Development                                  | 30.8%                   | 34.7%             | 41.6%         | 56.5%        | 62.4%        | 70.0%        | 77.5%        | Number of years                              |
| SSP2 - CEPAM Zero Migration                               | 30.8%                   | 33.8%             | 38.9%         | 47.2%        | 51.2%        | 56.8%        | 63.8%        | 0 8  |
| SSP2 - CEPAM Medium                                       | 30.8%                   | 33.7%             | 38.7%         | 46.9%        | 50.8%        | 56.4%        | 63.2%        | £ 6  |
| SSP2 - CEPAM Double Migration                             | 30.8%                   | 33.6%             | 38.4%         | 46.6%        | 50.3%        | 55.8%        | 62.4%        | ₹ 4  |
| SSP3 - Stalled Development                                | 30.8%                   | 28.6%             | 27.6%         | 27.5%        | 27.6%        | 27.4%        | 27.3%        |  |
|   |                         |                   |               |              |              |              |              | 2  |
| Mean years of schooling, age 2                            | 5+                      |                   |               |              |              |              |              | 2015 2025 2035 2045 2055 2065 2075 2085 2    |
| SSP1 - Rapid Development                                  | 10.9                    | 11.2              | 11.7          | 12.5         | 12.8         | 13.3         | 14.0         | 2013 2023 2033 2043 2033 2043 2043 2043 204  |
| SSP2 - CEPAM Zero Migration                               | 10.9                    | 11.2              | 11.7          | 12.5         | 12.8         | 13.3         | 13.8         |  |
| SSP2 - CEPAM Medium                                       | 10.9                    | 11.2              | 11.7          | 12.4         | 12.7         | 13.2         | 13.7         | Proportion age 65+                           |
| SSP2 - CEPAM Double Migration                             | 10.9                    | 11.2              | 11.7          | 12.3         | 12.6         | 13.0         | 13.6         | 70%  |
| SSP3 - Stalled Development                                | 10.9                    | 11.1              | 11.4          | 11.7         | 11.7         | 11.7         | 11.7         | 60%  |
|   |                         |                   |               |              |              |              |              | 50%  |
| Demographic assumptions und                               | erlying SSPs            |                   |               |              |              |              |              | 5 40%  |
|   |                         |                   |               |              |              |              |              | # 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1      |
| _   | 2015-2020 2             | 020-2025 2        | 030-2035 2    | 050-2055 2   | 060-2065 2   | 075-2080 2   | 095-2100     | G 30%  |
| Total fertility rate                                      |                         |                   |               |              |              |              |              | 20%  |
| SSP1 - Rapid Development                                  | 1.45                    | 1.39              | 1.33          | 1.30         | 1.30         | 1.40         | 1.36         | 10%  |
| SSP2 - CEPAM Zero Migration                               | 1.50                    | 1.51              | 1.50          | 1.51         | 1.51         | 1.61         | 1.56         |  |
| SSP2 - CEPAM Medium<br>SSP2 - CEPAM Double Migration      | 1.50<br>1.50            | 1.51<br>1.51      | 1.50<br>1.50  | 1.51<br>1.51 | 1.51<br>1.51 | 1.61<br>1.61 | 1.56<br>1.56 | 0% 2015 2025 2035 2045 2055 2065 2075 2085 2 |
| SSP3 - Stalled Development                                | 1.64                    | 1.82              | 1.99          | 2.12         | 2.13         | 2.23         | 2.18         | 2023 2033 2043 2043 2073 2083 2              |
| 2. 2 Stanca Development                                   | 1.04                    | 1.02              | 2.55          |              | 2.13         | 2.23         | 2.10         | Proportion of women age 20-39                |
| ife expectancy at birth for fem                           | ales (in vear           | s)                |               |              |              |              |              | with post-secondary education                |
| SSP1 - Rapid Development                                  | 79.6                    | 81.1              | 84.1          | 90.2         | 93.2         | 97.8         | 103.8        |  |
| SSP2 - CEPAM Zero Migration                               | 79.1                    | 80.1              | 82.1          | 86.2         | 88.2         | 91.3         | 95.3         | 80%  |
| SSP2 - CEPAM Medium                                       | 79.1                    | 80.1              | 82.1          | 86.2         | 88.2         | 91.2         | 95.3         | 70%  |
| SSP2 - CEPAM Double Migration                             | 79.1                    | 80.1              | 82.1          | 86.2         | 88.2         | 91.2         | 95.3         | 5 60%  |
| SSP3 - Stalled Development                                | 78.5                    | 79.0              | 80.0          | 82.0         | 83.0         | 84.4         | 86.3         | ₩ 50%  |
| Minumbian unt fl  |                         |                   |               |              |              |              |              | on 50%                                       |
| Migration – net flow over five<br>SP1 - Rapid Development | years (in tho<br>-289.7 | usands)<br>-278.9 | -254.3        | -202.5       | -176.4       | -137.9       | -98.6        | 30% ************                             |
| SSP1 - Kapia Development<br>SSP2 - CEPAM Zero Migration   | -289.7                  | -278.9            | -254.3<br>0.0 | -202.5       | 0.0          | -137.9       | -98.6<br>0.0 | 20% -  |
| SSP2 - CEPAIN Zero Migration SSP2 - CEPAM Medium          | -289.1                  | -277.5            | -251.2        | -195.9       | -168.9       | -132.1       | -97.6        | 10%  |
| SSP2 - CEPAM Double Migration                             | -578.2                  | -544.9            | -471.7        | -327.9       | -261.8       | -177.8       | -108.1       | 0%   |
| SSP3 - Stalled Development                                | -192.4                  | -93.1             | -0.2          | -0.2         | -0.2         | -0.2         | -0.2         | 2015 2025 2035 2045 2055 2065 2075 2085 2    |
|   |                         |                   |               |              |              |              |              |  |
| Ageing indicators by scenario                             |                         |                   |               |              |              |              |              | Ageing in CEPAM Medium Scenario (S           |
|   | 2015                    | 2020              | 2030          | 2050         | 2060         | 2075         | 2095         | 45%  |
| Median age  |                         |                   |               |              |              |              |              | _ <u> </u>                                   |
| SSP1 - Rapid Development                                  | 41.3                    | 43.2              | 47.3          | 55.1         | 58.3         | 63.5         | 70.6         | 35%  |
| 33F1 - Nuplu Development                                  |                         |                   |               |              |              |              |              |  |

45.2

46.6

48.0

44.4

12.8%

13.5%

14.2% 14.1%

41.3

41.3

41.3

12.0%

12.0%

12.0%

Proportion with less than 15 years of remaining life expectancy (RLE)

43.1

43.5

42.8

12.0%

12.2%

12.3%

49.2

51.7

55.0

43.6

14.4%

14.2%

16.1%

18.3%

53.3

56.5

41.9

17.0%

15.3%

18.0%

21.3%

55.8

59.1

40.5

19.1%

15.3%

18.1%

21.5%

58.4

61.9

39.9

19.0%

14.8%

17.4%

20.2% 10.3% 2015 2025 2035 2045 2055 2065 2075 2085 2095

Proportion age 65+ Proportion RLE < 15 years

## Romania (Continued)

Labour force projections to 2060

| Labour force indicators                    |               |               |               |               |       |       |  |
|--|---------------|---------------|---------------|---------------|-------|-------|--|
| Labour force indicators                    | 2015          | 2020          | 2030          | 2040          | 2050  | 2060  | Labour force size                                      |
| •  |               |               |               |               |       |       | (CEPAM Medium)   |
| Labour force size, by participation and mi | igration scen | ario (in mill | ions)         |               |       |       | 10   |
| Constant (CEPAM Zero Migration)            | 9.26          | 9.03          | 8.50          | 7.83          | 7.15  | 6.54  |  |
| Constant (CEPAM Medium)                    | 9.26          | 8.85          | 7.92          | 6.90          | 5.91  | 5.09  |  |
| Constant (CEPAM Double Migration)          | 9.26          | 8.66          | 7.37          | 6.03          | 4.82  | 3.89  | <b>≜</b> 8   |
| Swedish (CEPAM Zero Migration)             | 9.26          | 9.26          | 9.16          | 8.83          | 8.41  | 7.96  | <u> </u>   |
| Swedish (CEPAM Medium)                     | 9.26          | 9.07          | 8.57          | 7.82          | 6.99  | 6.23  | Diagram 7  |
| Swedish (CEPAM Double Migration)           | 9.26          | 8.88          | 7.99          | 6.88          | 5.73  | 4.78  | Number (in millions)                                   |
| Equalization (CEPAM Zero Migration)        | 9.26          | 9.16          | 8.84          | 8.33          | 7.75  | 7.18  |  |
| Equalization (CEPAM Medium)                | 9.26          | 8.97          | 8.25          | 7.35          | 6.42  | 5.60  | 5  |
| Equalization (CEPAM Double Migration)      | 9.26          | 8.78          | 7.68          | 6.44          | 5.24  | 4.28  | 4  |
| Constant (CEPAM Medium-low fertility)      | 9.26          | 8.85          | 7.93          | 6.86          | 5.69  | 4.62  | 2015 2020 2025 2030 2035 2040 2045 2050 2055 206       |
| Swedish (CEPAM Medium-low fertility)       | 9.26          | 9.07          | 8.57          | 7.75          | 6.69  | 5.65  | Constant → Swedish → Equalization                      |
| Equalization (CEPAM Medium-low fertility)  | 9.26          | 8.97          | 8.26          | 7.30          | 6.17  | 5.09  | Constant - Swedish + Equalization                      |
|  |               |               |               |               |       |       | Labour force participation rates                       |
| Labour force participation rates, age 15+, | by participa  | tion scenar   | io (CEPAM I   | Medium)       |       |       | Population 15+ (CEPAM Medium)                          |
| TOTAL (Constant)                           | 55.1%         | 54.2%         | 51.6%         | 48.5%         | 46.0% | 44.2% | 60%  |
| TOTAL (Swedish)                            | 55.1%         | 55.5%         | 55.8%         | 55.0%         | 54.3% | 54.0% | 50%  |
| TOTAL (Equalization)                       | 55.1%         | 54.9%         | 53.8%         | 51.7%         | 49.9% | 48.5% |  |
| MALE (Constant)                            | 64.7%         | 63.4%         | 60.4%         | 56.7%         | 53.5% | 51.1% | 40%  |
| MALE (Swedish)                             | 64.7%         | 64.3%         | 63.4%         | 61.5%         | 59.8% | 58.7% | tion   |
| MALE (Equalization)                        | 64.7%         | 63.4%         | 60.4%         | 56.7%         | 53.5% | 51.1% | Proportion 30%   |
| FEMALE (Constant)                          | 46.2%         | 45.6%         | 43.5%         | 41.0%         | 39.0% | 37.7% |  |
| FEMALE (Swedish)                           | 46.2%         | 47.4%         | 48.8%         | 49.1%         | 49.3% | 49.6% | 20% -  |
| FEMALE (Equalization)                      | 46.2%         | 47.1%         | 47.6%         | 47.1%         | 46.5% | 46.1% | 10% -  |
|  |               |               |               |               |       |       |  |
| Labour force (15+) by highest level of edu | cational atta | inment. Co    | lumns sum     | to 100%.      |       |       | 2015 2020 2025 2030 2035 2040 2045 2050 2055 206       |
| (CEPAM Medium; Constant participation)     | )             |               |               |               |       |       | 2013 2020 2023 2030 2033 2040 2043 2030 2033 200       |
| TOTAL E1-E4 - lower secondary and below    | 24.2%         | 21.9%         | 17.9%         | 14.0%         | 10.1% | 6.7%  | Labour force dependency ratio                          |
| TOTAL E5 - upper secondary                 | 46.9%         | 46.0%         | 44.1%         | 43.2%         | 43.1% | 42.4% | Inactive population / Active population (CEPAM Medium) |
| TOTAL E6 - short post-secondary            | 3.6%          | 3.7%          | 4.0%          | 4.1%          | 4.5%  | 4.8%  | 1.8  |
| TOTAL E7 - bachelor                        | 21.8%         | 24.2%         | 28.9%         | 32.8%         | 35.9% | 39.0% | 1.6  |
| TOTAL E8 - master and higher               | 3.5%          | 4.1%          | 5.2%          | 5.9%          | 6.4%  | 7.0%  | 1.4  |
| MALE E1-E4 - lower secondary and below     | 24.7%         | 23.0%         | 19.8%         | 16.0%         | 12.0% | 8.4%  | 1.2  |
| MALE E5 - upper secondary                  | 51.9%         | 51.4%         | 50.0%         | 49.7%         | 50.7% | 51.4% | 0 1.0  |
| MALE E6 - short post-secondary             | 2.9%          | 3.1%          | 3.6%          | 4.1%          | 4.5%  | 4.9%  | O 1.0  |
| MALE E7 - bachelor                         | 17.7%         | 19.2%         | 22.5%         | 25.2%         | 27.3% | 29.4% | 0.6  |
| MALE E8 - master and higher                | 2.8%          | 3.3%          | 4.2%          | 4.9%          | 5.5%  | 5.9%  |  |
| FEMALE E1-E4 - lower secondary and below   | 23.4%         | 20.6%         | 15.5%         | 11.4%         | 7.8%  | 4.6%  | 0.4  |
| FEMALE E5 - upper secondary                | 40.4%         | 39.2%         | 36.5%         | 35.0%         | 33.4% | 31.2% | 0.2  |
| FEMALE E6 - short post-secondary           | 4.4%          | 4.5%          | 4.5%          | 4.1%          | 4.3%  | 4.7%  | 2015 2020 2025 2030 2035 2040 2045 2050 2055 206       |
| FEMALE E7 - bachelor                       | 27.2%<br>4.5% | 30.5%<br>5.2% | 37.1%<br>6.4% | 42.4%<br>7.0% | 46.8% | 51.0% | 2020 2020 2030 2030 2040 2040 2030 2030                |
| FEMALE E8 - master and higher              | 4.5%          | 5.2%          | 0.4%          | 7.0%          | 7.7%  | 8.4%  |  |

Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)

