#  I A SA www.iiasa.ac.at <br> <br> European Demographic <br> <br> European Demographic Data Sheet Data Sheet <br> 2006 <br>  

The forces driving unprecedented population ageing

| Country | Population <br> size on <br> January <br> $11^{t}, 2005$ <br> (millions) | Projected population Size, 2030 (millions) | Number of live births, 2004 (thousands) | Number of deaths, 2004 $\qquad$ | Net migration, 2004 (thousands) | Year when <br> natural <br> increase <br> turns <br> negative | Total fertility rate (children per woman), 1990 | Total fertility rate (children per woman), 2004 | $\begin{array}{\|l} \text { Adjusted } \\ \text { TFR } \\ \text { (children } \\ \text { per wo- } \\ \text { man) See } \\ \text { box below } \\ \hline \end{array}$ | Mean age at first birth, 1990 (years) | Mean age at first birth, 2004 (years) | Male <br> life ex- <br> pectancy <br> at birth, <br> 2004 (years) <br> (years) | Male life expectancy increase, 1994-2004 (years) | Female <br> life ex- <br> pectancy <br> at birth, <br> 2004 <br> (years) | Female <br> life ex- <br> pectancy <br> increase, <br> (years) | Male <br> life ex- <br> pectancy <br> at age 65 <br> 2004 <br> (years) | Female <br> life ex- <br> pectancy <br> at age 65 , <br> 2004 <br> (years) | Proportion of the population above age 65, 2005 <br> (\%) | Projected proportion of the population above 2030 (\%) $\qquad$ | Proportion <br> of the <br> population <br> above age <br> 80,2005 <br> $(\%)$ | Projected proportion of the population above age 80, 2030 (\%) | Old-age <br> depen- <br> dency ratio <br> $65+/ 15-$ <br> 64,2005 <br> $(\%)$ | Projected <br> old-age de- <br> pendency <br> ratio 65+ <br> /15-64, <br> 2030 (\%) | $\begin{aligned} & \text { Actual age } \\ & \text { at retire } \\ & \text { ment, } \\ & \text { 2004 } \\ & \text { (yyears } \end{aligned}$ | Unemployment rate, 2004 (\%) | Youth <br> < $<2$ years <br> unemploy- <br> ment rate, <br> $2004(\%)$ | Country |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albania | 3.1 | 4.1 | 47.0 | 18.0 | -11.1 | >2050 | 3.00 | 2.10 | 2.36 |  |  | 71.7 | 2.4 | 7.4 | 1.0 |  |  | 8.3 | 13.7 | 1.2 | 2.3 | 12.8 | 21.7 |  | 15.2 |  | Albania |
| Andora | 0.1 | - | 0.8 | 0.3 | 4.0 | - |  | 1.26 |  |  |  |  |  | - |  | - | - | 12.0 |  |  |  | 16.3 |  |  |  | - | Andora |
| Armenia | 3.2 | 3.1 | 37.5 | 25.7 | -8.2 | 2021 | 2.63 | 1.38 | 1.46 | 22.8 | 23.4 | 70.4 | 5.3 | 76.6 | 1.7 | 13.2 | 15.8 | 10.5 | 18.3 | 1.7 | 3.0 | 15.5 | 26.9 |  | 36.4 | - | Ammenia |
| Austria | 8.2 | 8.5 | 79.0 | 74.3 | 61.7 | 2006 | 1.46 | 1.42 | 1.63 | 25.0 | 27.0 | 76.5 | 3.3 | 82.1 | 2.5 | 16.9 | 20.2 | 16.0 | 25.1 | 4.2 | 7.3 | 23.5 | 40.8 | 58.8 | 4.8 | 9.6 | Austria |
| Azerbajian | 8.3 | 9.9 | 131.6 | 49.6 | -0.4 | 2042 | 2.62 | 1.82 | 1.69 | - | 24.8 | 69.9 | 4.7 | 75.0 | 1.1 | 13.9 | 15.6 | 6.9 | 13.7 | 0.8 | 1.8 | 10.3 | 19.9 |  |  | - | Azerbajian |
| Belarus | 9.8 | 8.5 | 88.5 | 140.1 | 2.6 | 1993 | 1.90 | 1.20 | 1.44 | 22.9 | 24.0 | 63.2 | -0.3 | 76.0 | 1.7 | - | . | 14.5 | 20.3 | 2.4 | 3.3 | 20.7 | 30.3 |  | - | - | Belarus |
| Belgium | 10.4 | 11.0 | 116.0 | 102.0 | 35.4 | 2026 | 1.62 | 1.64 | 1.77 | 26.4 | 27.6 | 75.9 | 2.9 | 81.7 | 2.0 | - | - | 17.1 | 24.7 | 4.3 | 7.2 | 26.1 | 41.3 | 59.4 | 8.4 | 21.2 | Belgium |
| Bossia H Heregovina | 3.9 | 3.7 | 34.8 | 31.7 | 8.0 | 2009 | 1.71 | 1.23 | 1.58 | 23.6 |  | - | - | - | - | - | - | 13.9 | 22.7 | 1.4 | 5.1 | 20.1 | 35.4 |  |  | - | Bosnia \& Herregovina |
| Bulgaid | 7.8 | 6.6 | 69.9 | 110.1 | 0.0 | 1990 | 1.82 | 1.29 | 1.53 | 22.2 | 24.4 | 69.1 | 1.8 | 7.2 | 1.4 | 13.2 | 16.2 | 17.2 | 23.1 | 2.9 | 5.2 | 24.9 | 35.4 | 60.7 | 12.0 | 25.8 | Bulgaia |
| Cratia | 4.4 | 4.1 | 40.3 | 49.8 | 11.6 | 1991 | 1.67 | 1.35 | 1.64 | 24.1 | 26.1 | 72.0 | 2.7 | 79.0 | - | 12.9 | 16.6 | 17.2 | 24.4 | 2.9 | 5.8 | 24.2 | 39.4 | 59.6 | 13.6 | 33.3 | Cratia |
| Cyprus | 0.8 | 0.9 | 8.3 | 5.2 | 15.7 | 2029 | 2.42 | 1.49 | 1.63 |  | 27.1 | 76.9 | 1.6 | 81.6 | 1.8 | 16.5 | 19.0 | 11.9 | 21.0 | 2.7 | 5.4 | 17.5 | 32.9 | 62.7 | 5.2 | 11.3 | Cyprus |
| czech Republic | 10.2 | 9.7 | 97.7 | 107.2 | 18.6 | 1994 | 1.90 | 1.22 | 1.67 | 22.5 | 26.3 | 72.6 | 3.1 | 79.2 | 2.6 | 14.3 | 17.7 | 14.0 | 23.6 | 3.0 | 6.5 | 19.8 | 37.1 | 60.0 | 8.3 | 21.1 | czech Republic |
| Denmark | 5.4 | 5.6 | 64.4 | 55.8 | 5.2 | 2011 | 1.67 | 1.78 | 2.00 | 26.4 | 28.4 | 75.4 | 2.6 | 80.3 | 2.1 | 15.9 | 19.0 | 15.0 | 22.6 | 4.1 | 6.6 | 22.7 | 37.1 | 62.1 | 5.5 | 8.2 | Denmark |
| Estonia | 1.3 | 1.2 | 14.0 | 17.8 | -0.2 | 199 | 2.05 | 1.46 | 1.95 | 22.7 | 24.8 | 66.2 | 3.6 | 77.2 | 3.1 | 12.8 | 17.4 | 16.2 | 21.2 | 3.1 | 5.5 | 23.9 | 33.4 | 62.3 | 9.7 | 21.7 | Estonia |
| Finland | 5.2 | 5.4 | 57.8 | 47.6 | 6.7 | 2023 | 1.78 | 1.80 | 1.88 | 26.5 | 27.8 | 75.4 | 2.6 | 82.2 | 2.1 | 16.5 | 20.4 | 15.9 | 26.1 | 3.8 | 8.0 | 23.8 | 45.0 | 60.5 | 8.8 | 20.7 | Finland |
| France | 60.6 | 65.1 | 764.7 | 508.5 | 105.0 | 2037 | 1.78 | 1.91 | 2.02 | 27.0 | 28.4 | 75.9 | 2.6 | 83.0 | 1.6 | 17.1 | 21.3 | 16.4 | 24.2 | 4.5 | 7.7 | 25.2 | 40.7 | 58.9 | 9.6 | 21.9 | France |
| Georgia | 4.3 | 4.5 | 46.5 | 45.9 | -28.0 | 2019 | 2.15 | 1.37 | 1.81 | 23.7 | 24.7 | 69.1 | 3.3 | 74.7 | 1.1 | 13.4 | 15.4 | 13.3 | 18.9 | 2.1 | 3.4 | 19.5 | 29.0 |  | 12.6 | 28.3 | Georgia |
| Germany | 82.5 | 81.1 | 705.6 | 818.3 | 81.8 | 1972 | 1.45 | 1.36 | 1.51 | 26.6 | 29.0 | 76.5 | 3.5 | 82.1 | 2.6 | 16.5 | 20.1 | 18.6 | 27.5 | 4.3 | 8.0 | 27.8 | 46.0 | 61.3 | 9.5 | 15.1 | Germany |
| Greece | 11.1 | 11.3 | 101.5 | 104.0 | 34.9 | 1998 | 1.39 | 1.29 | 1.49 | 25.5 | 28.0 | 76.6 | 1.7 | 81.3 | 1.7 | 16.8 | 18.8 | 17.8 | 24.6 | 3.4 | 6.6 | 26.4 | 39.1 | 59.5 | 10.5 | 26.9 | Grece |
| Hungary | 10.1 | 9.5 | 95.1 | 132.5 | 18.2 | 1981 | 1.87 | 1.28 | 1.76 | 23.1 | 26.3 | 68.7 | 3.7 | 77.1 | 2.7 | 13.3 | 17.2 | 15.6 | 22.3 | 3.3 | 6.2 | 22.7 | 35.1 | 60.5 | 6.1 | 15.5 | Hungary |
| Ieland | 0.3 | 0.3 | 4.2 | 1.8 | 0.6 | >2050 | 2.30 | 2.04 | 2.33 | 24.0 | 26.2 | 79.3 | 2.1 | 83.6 | 2.2 | 18.0 | 21.3 | 11.8 | 19.1 | 3.4 | 4.4 | 17.9 | 30.8 | 64.0 | 3.3 | 7.0 | Ieland |
| Ireland | 4.1 | 5.1 | 64.5 | 29.4 | 46.4 | 2048 | 2.11 | 1.93 | 2.22 | 26.6 | 28.5 | 76.3 | 3.2 | 81.1 | 2.5 | 16.0 | 19.3 | 11.2 | 18.3 | 2.7 | 4.7 | 16.4 | 28.3 | 62.8 | 4.5 | 8.9 | Ireand |
| Italy | 58.5 | 57.1 | 562.6 | 546.7 | 558.2 | 1993 | 1.33 | 1.33 | 1.41 | 26.9 | 28.7 | 76.8 | 2.5 | 82.5 | 1.8 | 16.8 | 20.5 | 19.2 | 27.5 | 5.0 | 8.8 | 28.9 | 45.2 | 61.0 | 8.0 | 23.6 | Italy |
| Latvia | 2.3 | 2.0 | 20.3 | 32.0 | -1.1 | 1991 | 2.00 | 1.24 | 1.56 | 23.0 | 24.7 | 66.1 | 6.8 | 76.2 | 3.5 | 12.7 | 17.1 | 16.5 | 21.3 | 3.0 | 5.6 | 24.1 | 33.4 | 62.9 | 10.4 | 18.1 | Lativa |
| Liechtenstein | 0.33 |  | 0.4 | 0.2 | 0.1 |  | 1.45 | 1.44 |  |  |  | 78.7 |  | 84.4 |  | 18.4 | 20.3 | 11.1 |  |  |  | 15.6 |  |  |  |  | Liechtenstein |
| Lithuania | 3.4 | 3.1 | 30.4 | 41.3 | $-9.6$ | 1994 | 2.03 | 1.26 | 1.66 | 23.2 | 24.8 | 66.4 | 3.8 | 77.7 | 2.9 | 13.5 | 17.8 | 15.1 | 21.4 | 3.0 | 5.5 | 22.3 | 33.4 | 60.8 | 11.4 | 22.7 | Lithuania |
| Luxembourg | 0.5 | 0.6 | 5.5 | 3.6 | 1.5 | >2050 | 1.60 | 1.69 | 1.83 | 27.8 | 28.6 | 76.3 | 2.9 | 82.5 | 2.8 | 16.6 | 20.7 | 14.3 | 19.8 | 3.2 | 5.1 | 21.3 | 31.5 | 57.7 | 4.8 | 18.1 | Luxembourg |
| Maceeonia, FYK | 2.0 | 2.2 | 23.4 | 18.0 | -0.1 | 2049 | 2.06 | 1.52 | 2.03 | 23.4 | 24.9 | 71.6 | 2.1 | 75.8 | 1.7 | 13.5 | 15.3 | 10.9 | 18.2 | 1.7 | 3.6 | 15.8 | 28.1 | - | 37.2 | - | Maredonia, FYK |
| Malta | 0.4 | 0.5 | 3.9 | 3.0 | 1.9 | 2027 | 2.04 | 1.48 | 1.64 | - |  | 76.7 | 2.0 | 80.4 | 1.8 | 15.8 | 18.2 | 13.0 | 22.4 | 2.8 | 6.3 | 19.0 | 36.0 | 57.7 | 7.7 | 19.0 | Malta |
| Moldova | 3.6 | 4.1 | 38.3 | 41.7 | -3.6 | 1998 | 2.39 | 1.25 | 1.65 | - | 23.3 | 64.6 | 2.3 | 72.4 | 2.6 | 11.4 | 14.2 | 9.9 | 16.5 | 1.5 | 2.4 | 13.9 | 24.0 | - | 8.1 | - | Moldova |
| Netherlands | 16.3 | 17.6 | 194.0 | 136.6 | -10.0 | 2028 | 1.62 | 1.73 | 1.82 | 27.6 | 28.9 | 76.8 | 2.2 | 81.4 | 1.1 | 16.2 | 19.8 | 14.0 | 22.5 | 3.5 | 5.8 | 20.8 | 36.7 | 61.1 | 4.6 | 8.0 | Netherlands |
| Norway | 4.6 | 5.4 | 57.0 | 41.2 | 13.2 | >2050 | 1.93 | 1.83 | 2.07 | 25.6 | 27.6 | 77.5 | 2.6 | 82.4 | 1.7 | 17.0 | 20.5 | 14.7 | 20.5 | 4.6 | 5.9 | 22.4 | 33.0 | 62.0 | 4.4 | 11.4 | Norway |
| Poland | 38.2 | 36.5 | 356.1 | 363.5 | -9.4 | 2002 | 2.05 | 1.23 | 1.64 | 23.3 | 25.6 | 70.6 | 3.1 | 79.1 | 3.0 | 14.2 | 18.3 | 13.1 | 22.6 | 2.5 | 5.4 | 18.7 | 35.7 | 57.7 | 19.0 | 39.6 | Poland |
| Portugal | 10.5 | 10.7 | 109.3 | 102.3 | 47.6 | 2011 | 1.57 | 1.40 | 1.80 | 24.9 | 27.1 | 74.9 | 3.1 | 81.4 | 2.7 | 16.2 | 19.6 | 17.0 | 24.3 | 3.8 | 6.8 | 25.2 | 39.0 | 62.2 | 6.7 | 15.4 | Portugal |
| Romania | 21.7 | 19.9 | 216.3 | 258.9 | -10.1 | 1992 | 1.84 | 1.29 | 1.58 | 22.7 | 24.2 | 67.8 | 2.0 | 75.3 | 2.2 | 13.3 | 16.1 | 14.4 | 19.2 | 2.4 | 4.1 | 20.9 | 28.4 | 59.5 | 7.6 | 23.2 | Romania |
| Russia | 143.5 | 123.9 | 1502.5 | 2295.4 | 98.9 | 1992 | 1.90 | 1.33 | 1.47 | 22.6 | 24.0 | 58.9 | 1.3 | 72.3 | 1.1 | 11.0 | 15.3 | 13.7 | 19.5 | 2.3 | 3.4 | 19.3 | 29.2 | . | 7.8 | 24.7 | Russia |
| San Marino | 0.03 | - | 0.3 | 0.2 | 0.3 | - | 1.31 | 1.24 | - | 26.7 | 28.7 | - | - | - | - | - | - | 16.5 | - | - | - | 24.1 |  | - | - | - | San Marino |
| Serbia \& Montenegro | 8.1 | 10.8 | 88.4 | 110.1 | 0.0 | >2050 | 2.10 | 1.60 | 2.08 | 23.9 | 25.7 | 70.1 | 1.3 | 75.2 | 1.1 | 13.0 | 15.0 | 16.5 | 18.9 | 2.2 | 4.2 | 24.5 | 29.8 | - | 15.2 | - | Serbia \& Montenegro |
| Slovkia | 5.4 | 5.2 | 53.7 | 51.9 | 2.9 | 2001 | 2.09 | 1.24 | 1.60 | 22.6 | 25.3 | 70.4 | 2.1 | 78.0 | 1.5 | 13.4 | 17.1 | 11.6 | 20.8 | 2.4 | 4.4 | 16.3 | 31.7 | 58.5 | 18.2 | 33.1 | Slovkia |
| Slovenia | 2.0 | 2.0 | 17.9 | 18.6 | 1.9 | 1997 | 1.46 | 1.25 | 1.63 | 23.7 | 27.5 | 73.6 | 3.5 | 80.8 | 3.1 | 15.1 | 19.3 | 15.3 | 25.1 | 3.0 | 6.3 | 21.8 | 40.4 | 56.2 | 6.3 | 16.1 | Slovenia |
| Spain | 43.0 | 45.4 | 453.3 | 370.7 | 610.1 | 2014 | 1.36 | 1.32 | 1.33 | 26.8 | 29.2 | 77.2 | 2.9 | 83.8 | 2.4 | - | - | 16.8 | 24.7 | 4.3 | 7.3 | 24.4 | 38.9 | 62.2 | 11.0 | 22.1 | Spain |
| Sweden | 9.0 | 9.9 | 100.9 | 90.5 | 25.3 | 2030 | 2.13 | 1.75 | 1.91 | 26.3 | 28.6 | 78.4 | 2.3 | 82.7 | 1.4 | 17.4 | 20.6 | 17.2 | 23.1 | 5.3 | 7.6 | 26.5 | 38.5 | 62.8 | 6.3 | 16.3 | Sweden |
| Switzerland | 7.4 | 7.4 | 73.1 | 60.2 | 41.3 | 2017 | 1.58 | 1.42 | 1.69 | 27.6 | 29.3 | 78.5 | 3.3 | 83.6 | 1.9 | 18.0 | 21.4 | 15.8 | 23.1 | 4.4 | 6.5 | 23.3 | 37.6 | 63.0 | 4.3 | 7.8 | Switerland |
| Turkey | 71.6 | 99.7 | 1360.0 | 443.0 | - | $>2050$ | 3.01 | 2.41 | 2.44 | - | - | 66.6 | 1.9 | 71.2 | 1.9 | 12.7 | 14.3 | 5.8 | 9.7 | 0.6 | 1.2 | 8.9 | 14.7 | - | 10.3 | 19.6 | Turky |
| Ukaine | 47.1 | 37.7 | 427.3 | 761.3 | -7.6 | 1991 | 1.89 | 1.22 | 1.36 | - | 23.5 | 62.1 | -0.7 | 73.6 | 0.4 | 11.6 | 15.4 | 15.9 | 21.3 | 2.7 | 4.4 | 23.0 | 31.9 | - | 8.6 | 16.6 | Ukrane |
| United Kingdom | 59.9 | 64.4 | 716.0 | 584.8 | 203.6 | 2029 | 1.83 | 1.63 | 1.85 | 25.5 | 27.5 | 76.1 | 2.6 | 80.5 | 1.7 | 16.2 | 19.1 | 16.0 | 22.9 | 4.4 | 6.8 | 24.3 | 37.4 | 62.1 | 4.7 | 12.1 | United Kingdom |
| Eu-25 | 459.5 | 469.4 | 4792.6 | 4388.0 | 1855.3 | 2010 | 1.64 | 1.50 | 1.67 | 26.1 | 27.8 | 75.1 | 2.8 | 81.2 | 2.0 | 16.1 | 19.7 | 16.6 | 24.7 | 4.1 | 7.2 | 24.8 | 40.3 | 60.7 | 9.1 | 19.9 | EU-25 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| United States | 295.1 | 363.6 | 4115.6 | 2398.3 | 1049.5 | - | 2.08 | 2.05 | 2.15 | 24.2 | 25.2 | 75.2 | 2.8 | 80.4 | 1.4 | 16.8 | 19.8 | 12.4 | 19.6 | 3.5 | 5.4 | 18.5 | 32.4 |  | 5.5 | 11.8 | United States |
| Canda | 32.1 | 38.8 | 336.0 | 232.2 | 197.5 | - | 1.71 | 1.50 |  |  | 27.7 | 77.4 | 2.5 | 82.4 | 1.4 | - | - | 13.1 | 23.4 | 3.5 | 6.3 | 18.9 | 37.7 | - | 7.2 | 13.4 | Canada |
| Japan | 127.6 | 117.6 | 1110.7 | 1028.6 | -35.0 | 2006 | 1.54 | 1.29 | 1.39 | 27.0 | 28.9 | 78.6 | 2.5 | 85.6 | 3.1 | 18.0 | 23.0 | 19.9 | 29.6 | 4.9 | 12.1 | 30.0 | 50.0 | - | 4.7 | 9.5 | Japan |

Tempo Effect and Adjusted TFR

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|  <br>  <br>  significant postponement occurred. In Spain, recently the increase in the mean age of childbearing has leveled off and, as a consequence, decline of fertility quantum represented by the adjusted TFR. |  |
| As to the future fertility trends, the Spanish example shows that an end of postponement does not necessarily result in a significant increase in the TFR if the quantum of fertility declines simultaneously, i.e., if some of the postponed births are not recuperated. The future level of the quantum offertility is an open question and there isdectine. Population projections need to reflect this uncertainty. |  |
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Range of Likely Future Trends in the EU-25

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