

# Europe

## Detailed Human Capital projections to 2060

Demographic indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
Population (in millions)	738.2	748.4	753.5	755.4	754.8	750.1
Proportion age 65+	0.16	0.19	0.23	0.26	0.29	0.31
Proportion below age 20	0.21	0.21	0.20	0.19	0.19	0.19
	2005- 2010	2015- 2020	2025- 2030	2035- 2040	2045- 2050	2055- 2060
Total Fertility Rate	1.53	1.57	1.64	1.70	1.71	1.73
Life expectancy at birth (in years)						
Male	71.40	74.47	77.35	79.73	82.05	84.34
Female	79.32	81.52	83.75	85.78	87.84	89.94
Five-year immigration flow (in '000)	13420	9784	10172	10411	10425	10279
Five-year emigration flow (in '000)	4402	2950	2697	2555	2445	2366

Human Capital indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
<b>Population age 25+: highest educational attainment</b>						
E1 - no education	0.01	0.01	0.01	0.00	0.00	0.00
E2 - incomplete primary	0.02	0.01	0.01	0.00	0.00	0.00
E3 - primary	0.11	0.08	0.05	0.04	0.03	0.02
E4 - lower secondary	0.18	0.16	0.15	0.13	0.10	0.08
E5 - upper secondary	0.46	0.49	0.50	0.50	0.49	0.48
E6 - post-secondary	0.22	0.25	0.29	0.33	0.37	0.42
Mean years of schooling (in years)	10.93	11.53	12.03	12.47	12.88	13.26
<b>Gender gap (population age 25+): highest educational attainment (ratio male/female)</b>						
E1 - no education	0.65	0.71	0.78	0.80	0.79	0.79
E2 - incomplete primary	0.71	0.71	0.74	0.78	0.82	0.89
E3 - primary	0.81	0.83	0.86	0.92	0.99	1.06
E4 - lower secondary	0.93	0.99	1.04	1.08	1.09	1.09
E5 - upper secondary	1.10	1.08	1.07	1.07	1.07	1.06
E6 - post-secondary	1.01	0.94	0.90	0.89	0.90	0.92
minus female)	0.39	0.19	0.04	-0.05	-0.09	-0.08
<b>Women age 20-39: highest educational attainment</b>						
E1 - no education	0.00	0.00	0.00	0.00	0.00	0.00
E2 - incomplete primary	0.00	0.00	0.00	0.00	0.00	0.00
E3 - primary	0.03	0.02	0.01	0.01	0.01	0.01
E4 - lower secondary	0.14	0.10	0.08	0.06	0.05	0.04
E5 - upper secondary	0.55	0.54	0.53	0.51	0.50	0.49
E6 - post-secondary	0.28	0.34	0.38	0.41	0.44	0.46
Mean years of schooling (in years)	12.10	12.75	13.19	13.41	13.61	13.77

### Education scenarios

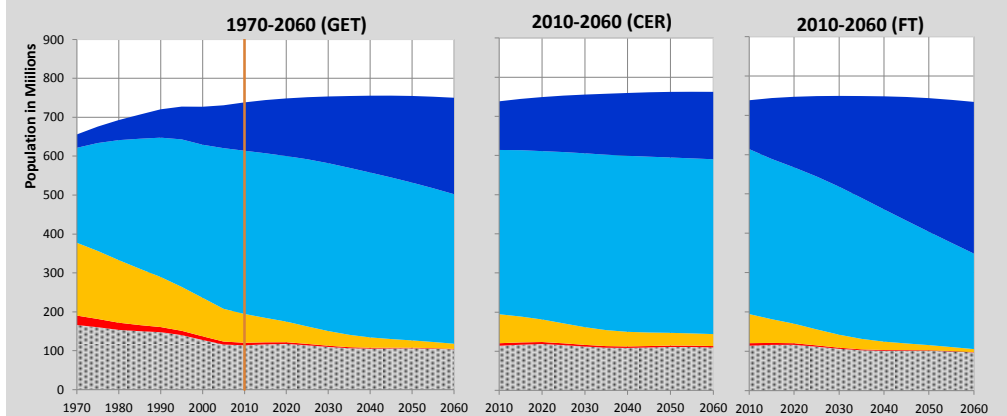
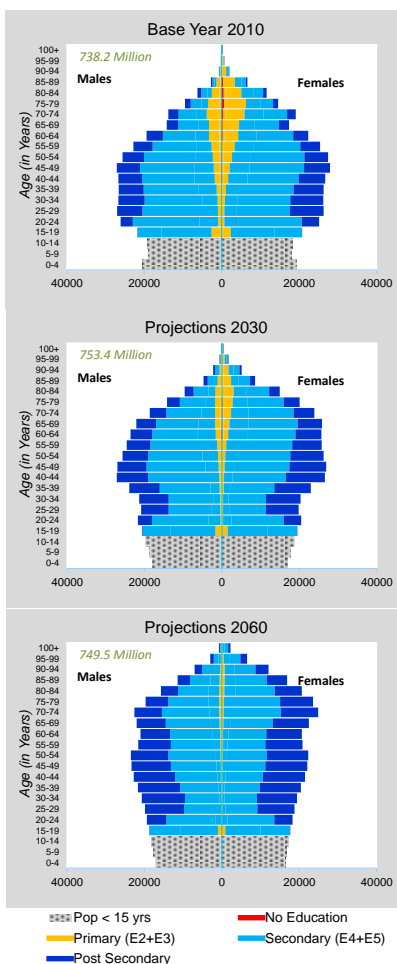
GET : Global Education Trend Scenario (Medium assumption also used for SSP2)

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

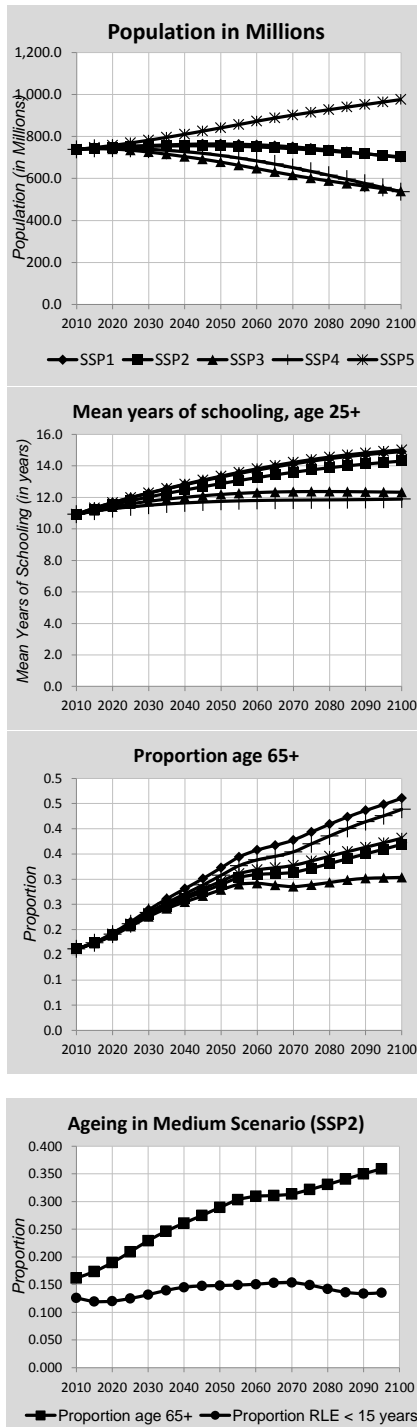
FT: Fast Track Scenario (assumption of education expansion according to fastest historical experience)

Population size by educational attainment according to three education scenarios: GET, CER, and FT

## Pyramids by education, Medium Scenario



## Europe (Continued)



### Alternative scenarios to 2100

#### Projection results by scenario (SSP 1-5)

	2010	2020	2030	2040	2050	2075	2100
<b>Population (in millions)</b>							
SSP1 - Rapid Development	738	750	757	763	764	744	699
SSP2 - Medium	738	748	753	755	755	736	703
SSP3 - Stalled Development	738	740	726	704	678	601	539
SSP4 - Inequality	738	744	739	728	709	634	536
SSP5 - Conventional Dev.	738	757	782	810	841	915	976
<b>Proportion age 65+</b>							
SSP1 - Rapid Development	0.16	0.19	0.24	0.28	0.32	0.39	0.46
SSP2 - Medium	0.16	0.19	0.23	0.26	0.29	0.32	0.37
SSP3 - Stalled Development	0.16	0.19	0.23	0.25	0.28	0.29	0.30
SSP4 - Inequality	0.16	0.19	0.23	0.27	0.31	0.37	0.44
SSP5 - Conventional Dev.	0.16	0.19	0.23	0.27	0.30	0.34	0.38
<b>Proportion below age 20</b>							
SSP1 - Rapid Development	0.21	0.20	0.19	0.17	0.17	0.15	0.14
SSP2 - Medium	0.21	0.21	0.20	0.19	0.19	0.18	0.17
SSP3 - Stalled Development	0.21	0.21	0.20	0.18	0.19	0.19	0.19
SSP4 - Inequality	0.21	0.20	0.18	0.16	0.16	0.14	0.13
SSP5 - Conventional Dev.	0.21	0.21	0.20	0.19	0.20	0.20	0.19
<b>Proportion of Women age 20-39 with at least secondary education</b>							
SSP1 - Rapid Development	0.97	0.99	0.99	0.99	0.99	1.00	1.00
SSP2 - Medium	0.97	0.98	0.98	0.99	0.99	1.00	1.00
SSP3 - Stalled Development	0.97	0.96	0.96	0.96	0.96	0.96	0.97
SSP4 - Inequality	0.97	0.94	0.93	0.93	0.93	0.93	0.93
SSP5 - Conventional Dev.	0.97	0.99	0.99	0.99	0.99	1.00	1.00
<b>Mean years of schooling, age 25+</b>							
SSP1 - Rapid Development	10.93	11.67	12.27	12.81	13.29	14.30	14.91
SSP2 - Medium	10.93	11.53	12.03	12.47	12.88	13.75	14.31
SSP3 - Stalled Development	10.93	11.40	11.75	12.01	12.19	12.37	12.33
SSP4 - Inequality	10.93	11.29	11.50	11.65	11.75	11.84	11.89
SSP5 - Conventional Dev.	10.93	11.67	12.29	12.84	13.35	14.40	15.02

#### Demographic assumptions underlying SSPs

	2010-2015	2020-2025	2030-2035	2040-2045	2050-2055	2075-2080	2095-2100
<b>Total fertility rate</b>							
SSP1 - Rapid Development	1.52	1.49	1.54	1.55	1.58	1.63	1.66
SSP2 - Medium	1.56	1.60	1.68	1.70	1.72	1.74	1.75
SSP3 - Stalled Development	1.55	1.55	1.59	1.64	1.67	1.77	1.84
SSP4 - Inequality	1.49	1.41	1.39	1.37	1.37	1.39	1.41
SSP5 - Conventional Dev.	1.57	1.65	1.79	1.84	1.91	2.02	2.08
<b>Life expectancy at birth for females (in years)</b>							
SSP1 - Rapid Development	80.9	84.1	87.3	90.3	93.4	101.2	108.1
SSP2 - Medium	80.4	82.6	84.8	86.8	88.9	94.2	98.6
SSP3 - Stalled Development	79.9	81.0	82.1	83.0	84.0	86.4	88.3
SSP4 - Inequality	80.4	82.6	84.6	86.6	88.7	93.7	97.9
SSP5 - Conventional Dev.	80.9	84.1	87.3	90.3	93.4	101.2	108.1
<b>Migration – net flow over five years (in thousands)</b>							
SSP1 - Rapid Development	7390	7124	7521	7472	7137	2691	0
SSP2 - Medium	7448	7189	7695	7949	7965	3438	0
SSP3 - Stalled Development	6150	3572	3839	4019	4106	1934	0
SSP4 - Inequality	7384	7106	7516	7590	7440	3112	0
SSP5 - Conventional Dev.	8624	10699	11421	11700	11622	4935	0

#### Ageing indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2075	2095
Median Age	40.20	42.49	45.14	47.40	47.77	50.04	52.53
Prospective Median Age	40.20	40.15	40.74	41.07	39.38	36.45	34.62
Proportion age 65+	0.16	0.19	0.23	0.26	0.29	0.32	0.36
Proportion RLE < 15 years	0.13	0.12	0.13	0.15	0.15	0.15	0.14