

Luxembourg

Detailed Human Capital projections to 2060

Demographic indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
Population (in millions)	0.5	0.6	0.7	0.8	0.9	1.0
Proportion age 65+	0.14	0.16	0.19	0.22	0.24	0.26
Proportion below age 20	0.24	0.21	0.21	0.21	0.21	0.20
	2005-2010	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060
Total Fertility Rate	1.62	1.60	1.76	1.80	1.80	1.80
Life expectancy at birth (in years)						
Male	76.70	79.67	82.16	84.22	86.25	88.21
Female	81.99	84.39	86.51	88.61	90.61	92.61
Five-year immigration flow (in '000)	43	34	36	36	36	36
Five-year emigration flow (in '000)	1	0	1	1	1	1

Human Capital indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment						
E1 - no education	0.06	0.05	0.04	0.02	0.02	0.01
E2 - incomplete primary	0.00	0.00	0.00	0.00	0.00	0.00
E3 - primary	0.19	0.14	0.10	0.07	0.06	0.04
E4 - lower secondary	0.19	0.19	0.18	0.16	0.14	0.12
E5 - upper secondary	0.31	0.33	0.35	0.36	0.37	0.37
E6 - post-secondary	0.25	0.29	0.33	0.38	0.42	0.47
Mean years of schooling (in years)	11.20	11.90	12.53	13.06	13.56	14.03
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.80	0.79	0.78	0.75	0.71	0.67
E2 - incomplete primary	NA	NA	NA	NA	NA	NA
E3 - primary	0.76	0.83	0.92	1.00	1.06	1.11
E4 - lower secondary	0.84	0.91	0.98	1.03	1.07	1.09
E5 - upper secondary	1.07	1.02	1.01	1.01	1.01	1.01
E6 - post-secondary	1.37	1.17	1.06	1.00	0.97	0.97
minus female)	0.96	0.56	0.26	0.07	-0.03	-0.07
Women age 20-39: highest educational attainment						
E1 - no education	0.03	0.01	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	0.07	0.05	0.04	0.03	0.02	0.02
E4 - lower secondary	0.20	0.16	0.12	0.09	0.07	0.06
E5 - upper secondary	0.40	0.43	0.43	0.43	0.43	0.42
E6 - post-secondary	0.30	0.35	0.41	0.45	0.48	0.50
Mean years of schooling (in years)	12.52	13.32	13.83	14.20	14.44	14.65

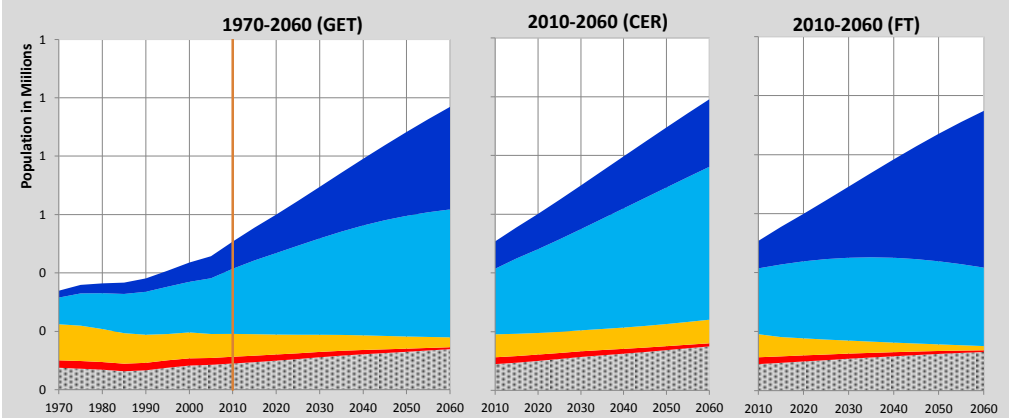
Education scenarios

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

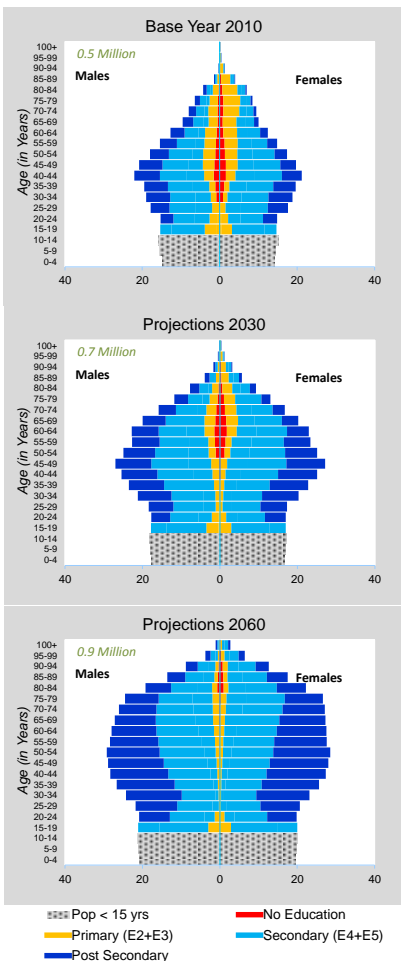
CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

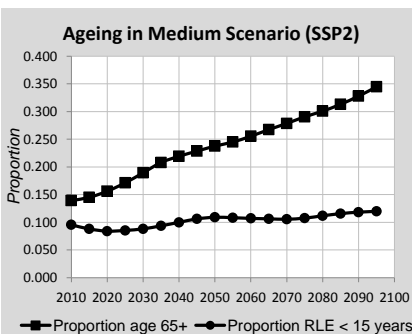
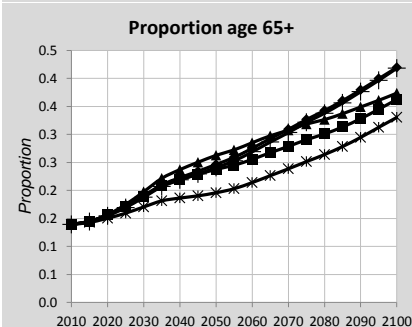
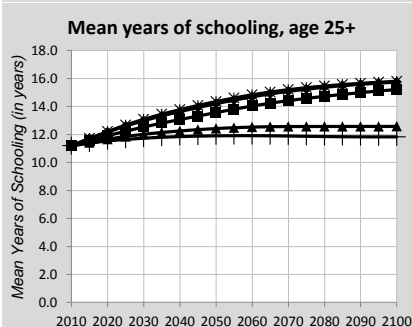
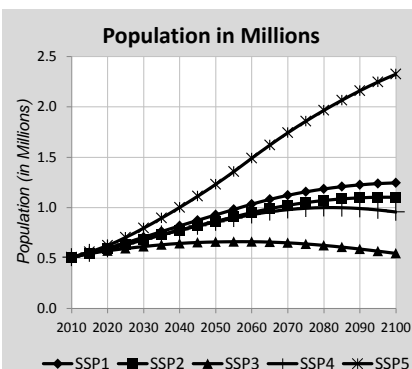
Population size by educational attainment according to three education scenarios: GET, CER, and FT



Pyramids by education, Medium Scenario



Luxembourg (Continued)



Alternative scenarios to 2100

Projection results by scenario (SSP 1-5)

	2010	2020	2030	2040	2050	2075	2100
Population (in millions)							
SSP1 - Rapid Development	0.51	0.60	0.71	0.82	0.93	1.16	1.25
SSP2 - Medium	0.51	0.59	0.68	0.78	0.86	1.05	1.10
SSP3 - Stalled Development	0.51	0.57	0.61	0.65	0.66	0.64	0.55
SSP4 - Inequality	0.51	0.59	0.69	0.78	0.86	0.99	0.96
SSP5 - Conventional Dev.	0.51	0.62	0.80	1.00	1.23	1.86	2.32
Proportion age 65+							
SSP1 - Rapid Development	0.14	0.16	0.19	0.22	0.25	0.33	0.42
SSP2 - Medium	0.14	0.16	0.19	0.22	0.24	0.29	0.36
SSP3 - Stalled Development	0.14	0.16	0.20	0.24	0.26	0.32	0.37
SSP4 - Inequality	0.14	0.15	0.19	0.22	0.24	0.32	0.42
SSP5 - Conventional Dev.	0.14	0.15	0.17	0.19	0.20	0.25	0.33
Proportion below age 20							
SSP1 - Rapid Development	0.24	0.21	0.21	0.21	0.20	0.18	0.16
SSP2 - Medium	0.24	0.21	0.21	0.21	0.21	0.20	0.18
SSP3 - Stalled Development	0.24	0.21	0.19	0.18	0.17	0.16	0.15
SSP4 - Inequality	0.24	0.21	0.20	0.19	0.18	0.16	0.14
SSP5 - Conventional Dev.	0.24	0.22	0.23	0.25	0.25	0.24	0.22
Proportion of Women age 20-39 with at least secondary education							
SSP1 - Rapid Development	0.90	0.97	0.98	0.98	0.99	0.99	1.00
SSP2 - Medium	0.90	0.94	0.96	0.97	0.98	0.99	1.00
SSP3 - Stalled Development	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SSP4 - Inequality	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SSP5 - Conventional Dev.	0.90	0.97	0.98	0.98	0.99	0.99	1.00
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.20	12.16	12.98	13.63	14.19	15.23	15.74
SSP2 - Medium	11.20	11.90	12.53	13.06	13.56	14.57	15.21
SSP3 - Stalled Development	11.20	11.66	12.01	12.25	12.42	12.57	12.57
SSP4 - Inequality	11.20	11.54	11.73	11.84	11.90	11.87	11.83
SSP5 - Conventional Dev.	11.20	12.21	13.08	13.77	14.35	15.34	15.80

Demographic assumptions underlying SSPs

	2010-2015	2020-2025	2030-2035	2040-2045	2050-2055	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.53	1.66	1.75	1.78	1.78	1.78	1.78
SSP2 - Medium	1.52	1.68	1.80	1.80	1.80	1.79	1.78
SSP3 - Stalled Development	1.47	1.46	1.45	1.44	1.42	1.43	1.43
SSP4 - Inequality	1.47	1.48	1.48	1.46	1.45	1.45	1.46
SSP5 - Conventional Dev.	1.60	1.91	2.12	2.20	2.22	2.22	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.1	87.3	90.3	93.3	96.3	103.8	109.8
SSP2 - Medium	83.2	85.5	87.6	89.6	91.6	96.6	100.6
SSP3 - Stalled Development	83.1	84.2	85.3	86.3	87.3	89.5	91.3
SSP4 - Inequality	83.6	85.8	87.8	89.8	91.8	96.4	100.1
SSP5 - Conventional Dev.	84.1	87.3	90.3	93.3	96.3	103.8	109.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	36	34	35	34	32	12	0
SSP2 - Medium	32	30	31	31	31	13	0
SSP3 - Stalled Development	30	16	16	15	14	5	0
SSP4 - Inequality	36	34	35	34	33	14	0
SSP5 - Conventional Dev.	42	53	58	62	64	29	0

Ageing indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2075	2095
Median Age	38.96	40.14	41.14	42.67	44.04	46.95	51.52
Prospective Median Age	38.96	37.61	36.52	36.17	35.62	33.84	34.63
Proportion age 65+	0.14	0.16	0.19	0.22	0.24	0.29	0.34
Proportion RLE < 15 years	0.10	0.08	0.09	0.10	0.11	0.11	0.12