

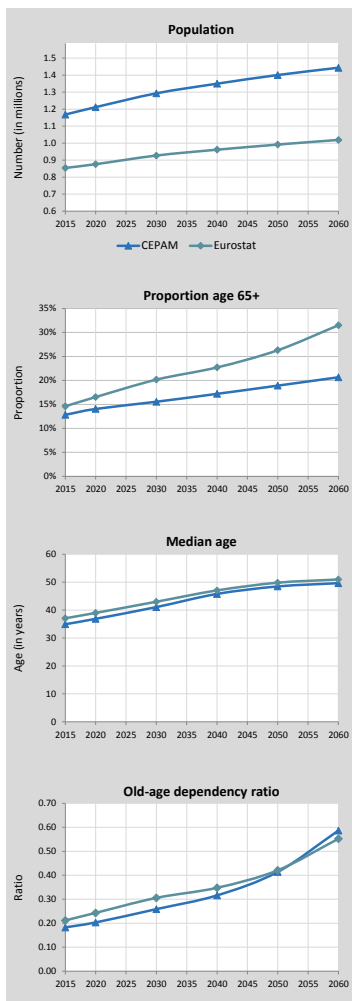
Cyprus

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

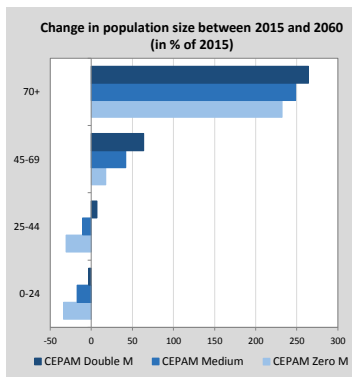
Demographic indicators - CEPAM Medium Scenario (SSP2), Eurostat and national projections		2015	2020	2030	2040	2050	2060
Population (in millions)	CEPAM	1.16	1.20	1.29	1.34	1.39	1.44
	Eurostat	0.85	0.87	0.92	0.95	0.98	1.01
	National	-	-	-	-	-	-
Proportion age 65+	CEPAM	12.8%	14.1%	15.6%	17.2%	18.9%	20.7%
	Eurostat	14.6%	16.5%	20.2%	22.7%	26.3%	31.5%
	National	-	-	-	-	-	-
Proportion below age 20	CEPAM	23.6%	22.3%	21.6%	19.5%	17.7%	17.5%
	Eurostat	22.7%	20.6%	18.5%	16.4%	14.9%	15.1%
	National	-	-	-	-	-	-
Median age	CEPAM	34.9	36.9	41.1	45.8	48.5	49.7
	Eurostat	37.1	39.0	43.0	47.1	49.8	51.0
	National	-	-	-	-	-	-
Old-age dependency ratio (65+/15-64)	CEPAM	0.18	0.20	0.26	0.32	0.41	0.59
	Eurostat	0.21	0.24	0.31	0.35	0.42	0.55
	National	-	-	-	-	-	-
Young-age dependency ratio (0-14/15-64)	CEPAM	0.24	0.24	0.25	0.21	0.21	0.24
	Eurostat	0.24	0.23	0.21	0.18	0.18	0.20
	National	-	-	-	-	-	-
Parent support ratio (85+/50-64)	CEPAM	0.07	0.08	0.10	0.14	0.20	0.36
	Eurostat	0.08	0.09	0.13	0.17	0.21	0.28
	National	-	-	-	-	-	-

Demographic assumptions underlying projections		2010-2015	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060
Total fertility rate	CEPAM	1.45	1.51	1.53	1.58	1.60	1.62
	Eurostat	1.33	1.36	1.39	1.44	1.49	1.55
	National	-	-	-	-	-	-
Life expectancy at birth (in years)							
Male	CEPAM	78.6	79.7	80.8	82.9	85.1	87.2
	Eurostat	80.9	81.7	82.4	83.6	84.7	85.8
	National	-	-	-	-	-	-
Female	CEPAM	82.8	83.9	85.0	87.1	89.3	91.4
	Eurostat	84.6	85.3	85.9	87.0	88.1	89.1
	National	-	-	-	-	-	-
Five-year net migration flow (in thousands)	CEPAM	15.5	16.7	17.8	19.8	21.5	22.7
	Eurostat	2.5	9.8	12.9	20.4	23.0	23.3
	National	-	-	-	-	-	-



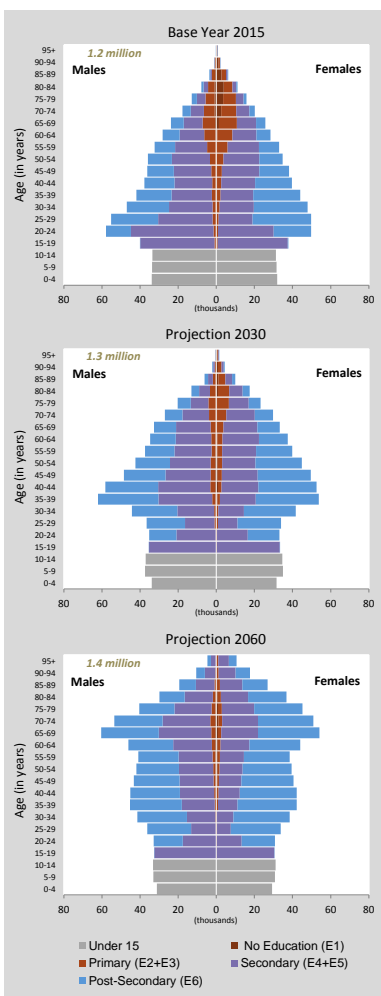
Changes in population size and structure according to CEPAM scenarios (impact of migration)

Population size according to CEPAM projections to 2060		2015	2020	2030	2040	2050	2060
Population (in millions)	Zero M	1.16	1.19	1.23	1.23	1.23	1.21
	Medium	1.16	1.20	1.29	1.34	1.39	1.44
	Double M	1.16	1.22	1.34	1.44	1.54	1.64
Population 0-24 (in millions)	Zero M	0.38	0.34	0.33	0.30	0.27	0.25
	Medium	0.38	0.35	0.35	0.34	0.32	0.32
	Double M	0.38	0.35	0.36	0.37	0.36	0.37
Population 25-44 (in millions)	Zero M	0.36	0.39	0.35	0.27	0.27	0.25
	Medium	0.36	0.40	0.38	0.32	0.32	0.32
	Double M	0.36	0.41	0.41	0.36	0.38	0.39
Population 45-69 (in millions)	Zero M	0.32	0.34	0.39	0.46	0.44	0.37
	Medium	0.32	0.34	0.40	0.49	0.49	0.45
	Double M	0.32	0.34	0.41	0.51	0.54	0.52
Population 70+ (in millions)	Zero M	0.10	0.12	0.15	0.20	0.25	0.33
	Medium	0.10	0.12	0.16	0.20	0.26	0.35
	Double M	0.10	0.12	0.16	0.21	0.27	0.36



Cyprus (Continued)

Pyramids by education, CEPAM Medium



Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM Medium (SSP2)

	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.1%	2.3%	1.5%	1.3%	1.2%	1.1%
E2 - incomplete primary	0.0%	0.2%	0.3%	0.5%	0.5%	0.6%
E3 - primary	13.3%	10.8%	7.2%	4.8%	3.3%	2.5%
E4 - lower secondary	9.0%	8.8%	8.2%	7.4%	6.5%	5.6%
E5 - upper secondary	35.7%	35.9%	35.9%	35.3%	33.9%	32.4%
E6 - post-secondary	38.8%	42.0%	46.8%	50.8%	54.6%	57.8%
Mean years of schooling (in years)	12.17	12.54	13.03	13.36	13.62	13.82

Age gap: highest educational attainment (ratio 35-44/50-64)

E1 - no education	0.54	0.89	0.72	0.59	0.54	0.37
E2 - incomplete primary	0.75	3.59	1.66	0.88	0.58	0.40
E3 - primary	0.28	0.37	0.42	0.41	0.43	0.42
E4 - lower secondary	0.81	0.75	0.65	0.58	0.52	0.48
E5 - upper secondary	0.91	0.83	0.89	0.93	0.90	0.89
E6 - post-secondary	1.54	1.45	1.25	1.18	1.17	1.16
Mean years of schooling (35-44 minus 50-64)	1.44	1.07	0.75	0.68	0.67	0.69

Gender gap (population age 25+): highest educational attainment (ratio male/female)

E1 - no education	0.41	0.45	0.61	0.72	0.73	0.70
E2 - incomplete primary	1.04	1.04	1.03	1.02	1.00	0.97
E3 - primary	0.81	0.77	0.76	0.80	0.89	0.97
E4 - lower secondary	1.04	1.04	1.05	1.06	1.09	1.13
E5 - upper secondary	1.24	1.23	1.23	1.26	1.30	1.35
E6 - post-secondary	0.94	0.92	0.90	0.87	0.85	0.84
Mean years of schooling (male minus female)	0.17	0.11	-0.01	-0.09	-0.15	-0.18

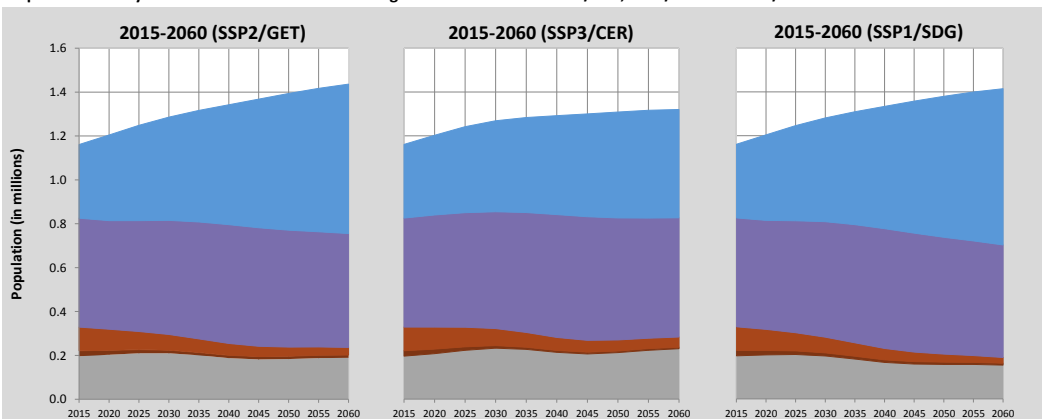
Women age 20-39: highest educational attainment (columns sum to 100%)

E1 - no education	0.4%	0.7%	0.6%	0.6%	0.4%	0.3%
E2 - incomplete primary	0.0%	0.3%	0.3%	0.3%	0.3%	0.2%
E3 - primary	3.1%	2.7%	1.5%	1.0%	0.8%	0.6%
E4 - lower secondary	8.6%	7.0%	4.9%	3.4%	2.5%	1.9%
E5 - upper secondary	41.7%	38.8%	36.9%	35.8%	33.7%	31.9%
E6 - post-secondary	46.2%	50.6%	55.7%	58.7%	62.3%	65.1%
Mean years of schooling (in years)	13.73	13.84	14.14	14.35	14.57	14.73

Age gap among women: highest educational attainment (ratio 35-44/50-64)

E1 - no education	0.52	0.94	0.78	0.60	0.53	0.37
E2 - incomplete primary	0.73	3.61	1.77	0.87	0.56	0.40
E3 - primary	0.24	0.31	0.37	0.40	0.44	0.42
E4 - lower secondary	0.74	0.64	0.57	0.55	0.49	0.45
E5 - upper secondary	0.83	0.75	0.85	0.89	0.83	0.81
E6 - post-secondary	1.75	1.60	1.28	1.17	1.18	1.17
Mean years of schooling (35-44 minus 50-64)	1.82	1.39	0.87	0.71	0.73	0.76

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)

Cyprus (Continued)

Alternative scenarios to 2100

Projection results by scenario (SSP1-SSP3)

	2015	2020	2030	2050	2060	2075	2100
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Population (in millions)

SSP1 - Rapid Development	1.16	1.20	1.28	1.38	1.41	1.43	1.38
SSP2 - CEPAM Zero Migration	1.16	1.19	1.23	1.23	1.21	1.13	0.98
SSP2 - CEPAM Medium	1.16	1.20	1.29	1.39	1.44	1.47	1.48
SSP2 - CEPAM Double Migration	1.16	1.22	1.34	1.54	1.64	1.75	1.87
SSP3 - Stalled Development	1.16	1.20	1.27	1.31	1.32	1.30	1.32

Proportion age 65+

SSP1 - Rapid Development	12.8%	14.2%	17.9%	28.3%	36.7%	41.9%	48.1%
SSP2 - CEPAM Zero Migration	12.8%	14.2%	17.9%	28.0%	35.9%	38.8%	42.2%
SSP2 - CEPAM Medium	12.8%	14.1%	17.2%	25.4%	32.1%	34.4%	37.1%
SSP2 - CEPAM Double Migration	12.8%	13.9%	16.6%	23.6%	29.8%	32.3%	35.6%
SSP3 - Stalled Development	12.8%	14.0%	16.8%	23.7%	28.9%	27.0%	26.2%

Proportion below age 20

SSP1 - Rapid Development	23.6%	22.1%	20.6%	15.5%	14.7%	13.0%	12.0%
SSP2 - CEPAM Zero Migration	23.6%	22.3%	21.4%	16.9%	16.7%	15.3%	15.0%
SSP2 - CEPAM Medium	23.6%	22.3%	21.6%	17.7%	17.5%	16.5%	16.2%
SSP2 - CEPAM Double Migration	23.6%	22.3%	21.8%	18.2%	18.0%	17.0%	16.5%
SSP3 - Stalled Development	23.6%	22.6%	23.6%	21.5%	22.7%	22.9%	24.0%

Proportion of women age 20-39 with post-secondary education

SSP1 - Rapid Development	46.2%	50.3%	55.8%	66.6%	70.8%	74.9%	79.3%
SSP2 - CEPAM Zero Migration	46.2%	51.8%	57.9%	65.2%	68.2%	71.1%	75.7%
SSP2 - CEPAM Medium	46.2%	50.6%	55.7%	62.3%	65.1%	68.1%	73.2%
SSP2 - CEPAM Double Migration	46.2%	49.3%	53.7%	60.2%	63.1%	66.5%	72.1%
SSP3 - Stalled Development	46.2%	44.1%	44.0%	42.9%	43.7%	42.6%	42.8%

Mean years of schooling, age 25+

SSP1 - Rapid Development	12.2	12.5	13.0	13.7	14.0	14.4	14.9
SSP2 - CEPAM Zero Migration	12.2	12.6	13.2	14.0	14.2	14.5	14.9
SSP2 - CEPAM Medium	12.2	12.5	13.0	13.6	13.8	14.1	14.5
SSP2 - CEPAM Double Migration	12.2	12.5	12.9	13.4	13.5	13.8	14.3
SSP3 - Stalled Development	12.2	12.4	12.9	13.3	13.4	13.5	13.5

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
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Total fertility rate

SSP1 - Rapid Development	1.40	1.40	1.38	1.40	1.41	1.42	1.44
SSP2 - CEPAM Zero Migration	1.45	1.50	1.55	1.61	1.61	1.63	1.64
SSP2 - CEPAM Medium	1.45	1.51	1.56	1.61	1.62	1.63	1.65
SSP2 - CEPAM Double Migration	1.45	1.51	1.56	1.62	1.62	1.63	1.65
SSP3 - Stalled Development	1.56	1.76	1.97	2.13	2.15	2.17	2.21

Life expectancy at birth for females (in years)

SSP1 - Rapid Development	83.3	84.9	88.1	94.3	97.5	102.2	108.5
SSP2 - CEPAM Zero Migration	82.8	83.9	86.1	90.4	92.6	95.9	100.2
SSP2 - CEPAM Medium	82.8	83.9	86.0	90.3	92.5	95.7	100.0
SSP2 - CEPAM Double Migration	82.8	83.9	86.0	90.3	92.4	95.6	99.9
SSP3 - Stalled Development	82.3	82.9	84.1	86.4	87.5	89.1	91.3

Migration – net flow over five years (in thousands)

SSP1 - Rapid Development	15.6	16.6	18.0	19.6	19.6	18.8	16.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	15.5	16.7	18.8	22.2	23.1	23.8	23.3
SSP2 - CEPAM Double Migration	31.1	32.9	35.9	40.0	40.5	40.0	36.9
SSP3 - Stalled Development	10.4	5.7	0.0	0.0	0.0	0.0	0.1

Ageing indicators by scenario

	2015	2020	2030	2050	2060	2075	2095
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Median age

SSP1 - Rapid Development	34.9	37.0	41.6	51.1	53.8	58.1	62.4
SSP2 - CEPAM Zero Migration	34.9	37.1	41.7	50.9	52.6	55.4	57.2
SSP2 - CEPAM Medium	34.9	36.9	41.1	48.5	49.7	51.9	52.9
SSP2 - CEPAM Double Migration	34.9	36.7	40.5	46.9	48.1	50.4	51.6
SSP3 - Stalled Development	34.9	36.8	40.6	45.7	44.6	44.6	42.7

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

SSP1 - Rapid Development	7.0%	6.9%	7.2%	8.2%	8.9%	11.2%	13.3%
SSP2 - CEPAM Zero Migration	7.3%	7.6%	8.4%	10.5%	11.9%	16.0%	14.0%
SSP2 - CEPAM Medium	7.3%	7.5%	8.1%	9.4%	10.3%	13.3%	11.5%
SSP2 - CEPAM Double Migration	7.3%	7.4%	7.8%	8.7%	9.3%	11.9%	10.6%
SSP3 - Stalled Development	7.6%	8.0%	9.1%	11.4%	13.1%	15.4%	10.6%

