Norway

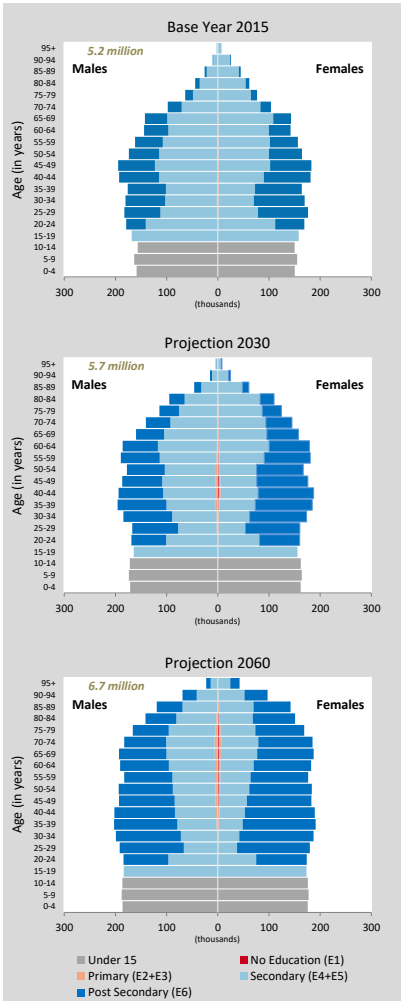
Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)	2015	2020	2030	2040	2050	2060
Population (in millions)	5.20	5.38	5.75	6.08	6.39	6.70
Proportion age 65+	16.3%	17.7%	21.0%	24.4%	26.0%	27.9%
Proportion below age 20	24.2%	23.6%	23.1%	22.4%	21.8%	21.6%
	2015-2020	**2020-2025**	**2030-2035**	**2040-2045**	**2050-2055**	**2055-2060**
Total Fertility Rate	1.89	1.91	1.97	1.99	1.98	1.97
Life expectancy at birth (in years)						
Male	80.5	81.6	83.6	85.7	87.7	88.8
Female	84.3	85.3	87.5	89.6	91.7	93.8
Five-year net-migration flow (in thousands)	61.7	65.6	72.6	78.3	82.6	85.2

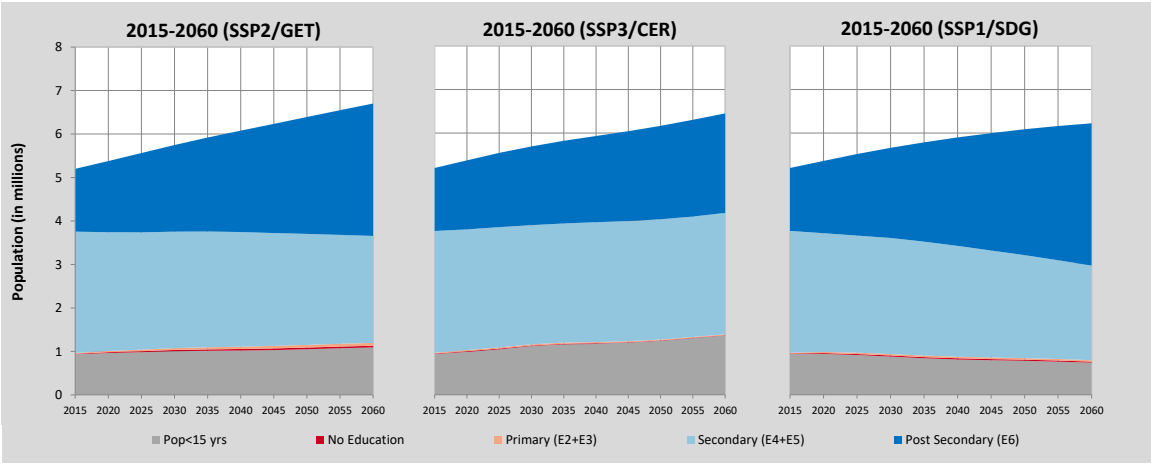
Human Capital indicators, CEPAM Medium Scenario (SSP2)	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.5%	0.7%	0.8%	0.8%	0.8%
E2 - incomplete primary	0.0%	0.1%	0.2%	0.3%	0.3%	0.4%
E3 - primary	0.4%	0.6%	0.8%	0.9%	1.0%	1.0%
E4 - lower secondary	22.4%	20.3%	17.2%	14.7%	12.3%	10.1%
E5 - upper secondary	39.6%	38.4%	36.1%	33.8%	31.4%	29.4%
E6 - post-secondary	37.2%	40.1%	45.1%	49.6%	54.1%	58.4%
Mean years of schooling (in years)	12.8	13.0	13.4	13.7	14.1	14.4
Gender gap (population age 25+): highest educational attainment (proportion males - proportion females)						
E1 - no education	0.0	0.0	0.0	0.0	0.0	0.0
E2 - incomplete primary	0.0	0.0	0.0	0.0	0.0	0.0
E3 - primary	0.0	0.0	0.0	0.0	0.0	0.0
E4 - lower secondary	-1.0	0.0	1.0	2.0	2.0	2.0
E5 - upper secondary	5.0	6.0	6.0	7.0	9.0	9.0
E6 - post-secondary	-4.0	-5.0	-7.0	-9.0	-11.0	-11.0
Mean years of schooling (male minus female)	0.0	-0.1	-0.2	-0.3	-0.4	-0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.3%	0.6%	0.5%	0.5%	0.4%	0.3%
E2 - incomplete primary	0.0%	0.2%	0.2%	0.2%	0.1%	0.1%
E3 - primary	0.5%	0.7%	0.6%	0.5%	0.4%	0.3%
E4 - lower secondary	17.9%	14.6%	9.1%	6.1%	3.9%	2.6%
E5 - upper secondary	30.4%	29.5%	29.6%	28.2%	26.3%	24.5%
E6 - post-secondary	50.9%	54.5%	60.0%	64.5%	68.8%	72.3%
Mean years of schooling (in years)	14.0	14.3	14.6	14.9	15.1	15.3

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)

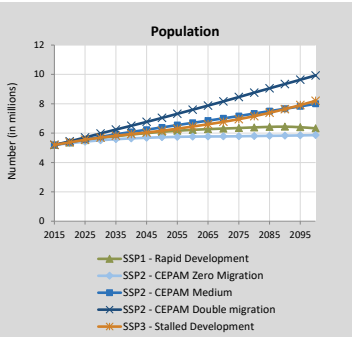
Pyramids by education, CEPAM Medium Scenario

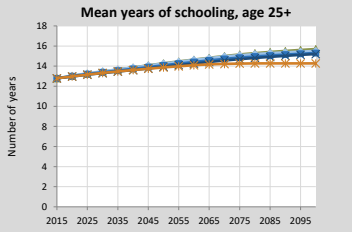


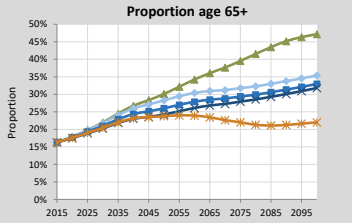
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.

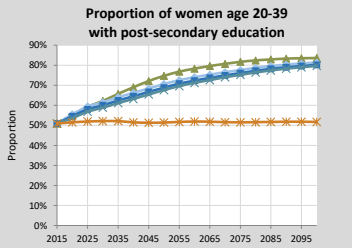


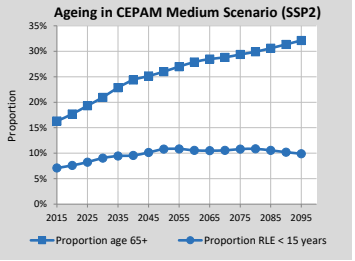
Norway (Continued)











Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.20	5.36	5.66	6.09	6.22	6.35	6.33
SSP2 - CEPAM Zero Migration	5.20	5.31	5.51	5.72	5.76	5.79	5.87
SSP2 - CEPAM Medium	5.20	5.38	5.75	6.39	6.70	7.17	7.99
SSP2 - CEPAM Double Migration	5.20	5.44	5.98	7.04	7.60	8.46	9.93
SSP3 - Stalled Development	5.20	5.37	5.70	6.17	6.45	6.95	8.20
Proportion age 65+							
SSP1 - Rapid Development	16.3%	17.9%	22.0%	30.1%	34.2%	39.5%	47.2%
SSP2 - CEPAM Zero Migration	16.3%	17.9%	21.8%	28.3%	30.4%	31.8%	35.4%
SSP2 - CEPAM Medium	16.3%	17.7%	21.0%	26.0%	27.9%	29.4%	33.0%
SSP2 - CEPAM Double Migration	16.3%	17.5%	20.2%	24.2%	26.1%	27.9%	31.8%
SSP3 - Stalled Development	16.3%	17.6%	20.4%	23.8%	23.9%	22.0%	22.0%
Proportion below age 20							
SSP1 - Rapid Development	24.2%	23.2%	21.1%	17.3%	16.1%	14.3%	12.3%
SSP2 - CEPAM Zero Migration	24.2%	23.6%	22.9%	21.4%	21.1%	20.3%	19.0%
SSP2 - CEPAM Medium	24.2%	23.6%	23.1%	21.8%	21.6%	20.8%	19.5%
SSP2 - CEPAM Double Migration	24.2%	23.6%	23.2%	22.2%	21.9%	21.2%	19.7%
SSP3 - Stalled Development	24.2%	24.0%	25.1%	26.4%	27.5%	28.0%	27.6%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	50.9%	55.0%	62.2%	74.7%	78.3%	81.7%	83.6%
SSP2 - CEPAM Zero Migration	50.9%	55.5%	61.5%	70.6%	74.0%	77.6%	81.3%
SSP2 - CEPAM Medium	50.9%	54.5%	60.0%	68.8%	72.3%	76.1%	80.2%
SSP2 - CEPAM Double Migration	50.9%	53.6%	58.8%	67.6%	71.2%	75.2%	79.7%
SSP3 - Stalled Development	50.9%	51.5%	52.1%	51.4%	51.9%	51.5%	51.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.8	13.0	13.5	14.3	14.7	15.2	15.7
SSP2 - CEPAM Zero Migration	12.8	13.1	13.5	14.3	14.6	15.1	15.5
SSP2 - CEPAM Medium	12.8	13.0	13.4	14.1	14.4	14.9	15.3
SSP2 - CEPAM Double Migration	12.8	13.0	13.3	13.9	14.3	14.7	15.2
SSP3 - Stalled Development	12.8	13.0	13.3	13.9	14.1	14.3	14.3

Demographic assumptions underlying SSPs	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.75	1.65	1.54	1.49	1.48	1.46	1.43
SSP2 - CEPAM Zero Migration	1.89	1.91	1.98	1.99	1.97	1.94	1.90
SSP2 - CEPAM Medium	1.89	1.91	1.97	1.98	1.97	1.93	1.90
SSP2 - CEPAM Double Migration	1.88	1.91	1.97	1.98	1.96	1.93	1.90
SSP3 - Stalled Development	2.04	2.22	2.48	2.57	2.54	2.50	2.45
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.8	86.3	89.5	95.7	98.8	103.5	107.0
SSP2 - CEPAM Zero Migration	84.3	85.3	87.5	91.7	93.9	97.1	101.4
SSP2 - CEPAM Medium	84.3	85.3	87.5	91.7	93.8	97.0	101.3
SSP2 - CEPAM Double Migration	84.3	85.3	87.4	91.7	93.8	97.0	101.2
SSP3 - Stalled Development	83.8	84.3	85.5	87.7	88.9	90.5	92.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	61.8	65.2	69.9	74.2	73.6	70.0	61.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	61.7	65.6	72.6	82.6	85.2	86.0	82.5
SSP2 - CEPAM Double Migration	123.3	130.3	142.4	158.6	161.8	160.8	150.9
SSP3 - Stalled Development	41.1	22.1	0.1	0.1	0.1	0.1	0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)	2015	2020	2030	2050	2060	2075	2095
Median age	39.2	40.0	42.0	44.5	45.0	46.4	48.3
Proportion age 65+	16.3%	17.7%	21.0%	26.0%	27.9%	29.4%	32.1%
Proportion RLE < 15 years	7.1%	7.6%	9.1%	10.8%	10.5%	10.8%	9.9%