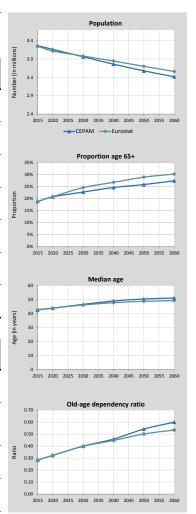
Croatia

Detailed Human Capital projections to 2060

Comparison of CEPAM projections with other sources

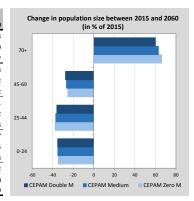
		2015	2020	2030	2040	2050	2060
	CEPAM	4.24	4.14	3.93	3.73	3.55	3.39
Population (in millions)	Eurostat	4.23	4.09	3.95	3.82	3.67	3.53
	National	-	-	-	-	-	
	CEPAM	18.9%	20.8%	22.8%	24.7%	25.9%	27.5%
Proportion age 65+	Eurostat	18.8%	20.9%	24.6%	26.8%	29.0%	30.3%
	National	-	-	-	-	-	
	CEPAM	20.5%	19.8%	18.7%	17.4%	16.9%	16.7%
Proportion below age 20	Eurostat	20.4%	19.5%	18.7%	17.9%	17.8%	17.8%
	National	-	-	-	-	-	
	CEPAM	42.6	43.9	46.6	49.0	50.4	51.2
Median age	Eurostat	42.8	43.9	46.2	47.8	48.8	49.3
	National	-	-	-	-	-	
Old-age dependency ratio	CEPAM	0.28	0.32	0.40	0.46	0.54	0.60
(65+/15-64)	Eurostat	0.28	0.32	0.40	0.45	0.50	0.53
(05.715.04)	National	-	-	-	-	-	
Young-age dependency ratio	CEPAM	0.22	0.23	0.22	0.21	0.22	0.22
(0-14/15-64)	Eurostat	0.22	0.23	0.22	0.22	0.23	0.23
0 14/13 04/	National	-	-	-	-	-	
Darent cuppert ratio	CEPAM	0.09	0.12	0.14	0.21	0.31	0.41
Parent support ratio (85+/50-64)	Eurostat	0.08	0.11	0.15	0.21	0.28	0.33
103.730 0.7	National	-	-	-	-	-	

Demographic assumptions underly	ing projections						
		2010- 2015	2015- 2020	2025- 2030	2035- 2040	2045- 2050	2055- 2060
	CEPAM	1.49	1.49	1.49	1.52	1.54	1.56
Total fertility rate	Eurostat	1.45	1.48	1.50	1.53	1.57	1.60
	National	-	-	-	-	-	-
Life expectancy at birth (in years)							
	CEPAM	74.6	75.8	76.9	79.2	81.5	83.8
Male	Eurostat	75.2	76.3	77.3	79.2	80.9	82.5
	National	-	-	-	-	-	-
	CEPAM	81.1	82.2	83.2	85.3	87.4	89.5
Female	Eurostat	81.3	82.2	83.0	84.5	85.9	87.3
	National	-	-	-	-	-	-
Five-year net migration flow	CEPAM	-24.3	-17.4	-11.0	1.3	12.0	20.4
(in thousands)	Eurostat	-62.7	2.6	15.9	26.8	29.6	26.3
,	National	-	-	-	-	-	-



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

Population size according to CEP	AM projections to	2060					
		2015	2020	2030	2040	2050	2060
	Zero M	4.24	4.16	4.00	3.81	3.62	3.43
Population (in millions)	Medium	4.24	4.14	3.93	3.73	3.55	3.39
	Double M	4.24	4.11	3.87	3.66	3.50	3.37
	Zero M	1.11	1.06	0.97	0.87	0.79	0.73
Population 0-24 (in millions)	Medium	1.11	1.06	0.95	0.84	0.77	0.72
	Double M	1.11	1.05	0.93	0.82	0.75	0.72
	Zero M	1.14	1.09	0.96	0.86	0.80	0.71
Population 25-44 (in millions)	Medium	1.14	1.08	0.93	0.84	0.79	0.72
	Double M	1.14	1.06	0.90	0.82	0.79	0.73
	Zero M	1.43	1.42	1.36	1.31	1.19	1.07
Population 45-69 (in millions)	Medium	1.43	1.42	1.35	1.28	1.15	1.05
	Double M	1.43	1.41	1.34	1.25	1.12	1.03
·	Zero M	0.55	0.59	0.70	0.78	0.84	0.92
Population 70+ (in millions)	Medium	0.55	0.59	0.70	0.77	0.84	0.90
	Double M	0.55	0.59	0.70	0.77	0.83	0.89



Croatia (Continued)

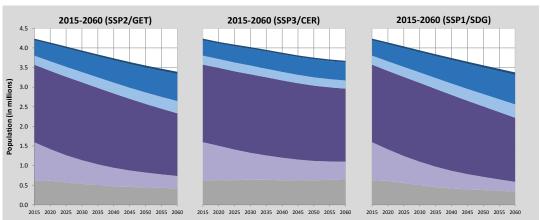
Pyramids by education, CEPAM Medium

Base Year 2015 4.2 millio Age (in years) 50 0 50 100 (thousands) Projection 2030 Age (in years) 50 (th 150 100 150 50 Projection 2060 3.4 million Males 150

Detailed Human Capital projections to 2060

Human Capital indicators, CEPAM N	2015	2020	2030	2040	2050	2060
Population age 25+: highest educat						
E1-E4 - lower secondary and below	24.1%	21.0%	15.9%	12.5%	10.1%	8.49
E5 - upper secondary	55.8%	57.1%	59.0%	58.8%	57.0%	54.39
E6 - short post-secondary	7.0%	7.3%	8.0%	8.7%	9.7%	10.99
E7 - bachelor	11.8%	13.1%	15.5%	18.3%	21.3%	24.49
E8 - master and higher	1.3%	1.4%	1.6%	1.7%	1.9%	2.19
Mean years of schooling (in years)	11.25	11.49	11.88	12.14	12.35	12.5
Age gap: highest educational attair	nment (ratio	35-44/50-6	(4)			
E1-E4 - lower secondary and below	0.48	0.44	0.61	0.69	0.60	0.6
E5 - upper secondary	1.08	1.04	0.97	0.93	0.91	0.8
E6 - short post-secondary	1.04	1.19	1.31	1.28	1.29	1.2
E7 - bachelor	1.70	1.73	1.39	1.26	1.29	1.2
E8 - master and higher	1.48	1.11	0.93	1.20	1.29	1.2
Mean years of schooling (35-44 minus 50-64)	0.93	0.76	0.47	0.48	0.62	0.6
Gender gap (population age 25+): h	_					
E1-E4 - lower secondary and below	0.57	0.60	0.69	0.78	0.87	0.9
E5 - upper secondary	1.30	1.27	1.22	1.21	1.23	1.2
E6 - short post-secondary	0.89	0.84	0.76	0.71	0.68	0.6
E7 - bachelor	0.89	0.86	0.80	0.77	0.74	0.7
E8 - master and higher	1.06	0.97	0.83	0.74	0.68	0.6
Mean years of schooling (male minus female)	0.76	0.53	0.16	-0.08	-0.22	-0.3
Women age 20-39: highest education	onal attainm	ent (columi	ns sum to 1	00%)		
E1-E4 - lower secondary and below	8%	7%	4%	4%	3%	3'
E5 - upper secondary	62%	60%	55%	49%	42%	37
E6 - short post-secondary	9%	10%	13%	15%	17%	19
E7 - bachelor	20%	22%	26%	30%	35%	39
E8 - master and higher	2%	2%	2%	2%	3%	3'
Mean years of schooling (in years)	12.48	12.55	12.82	13.06	13.29	13.4
				(=a ca)		
Age gap among women: highest ed			0.55 0.55		0.60	0.6
E1-E4 - lower secondary and below E5 - upper secondary	0.39 1.10	0.35 1.03	0.55	0.69 0.89	0.60 0.83	0.6
E6 - short post-secondary	1.10	1.03	1.43	1.32	1.33	1.3
E7 - bachelor	2.04	1.96	1.36	1.26	1.33	1.3
E8 - master and higher	1.86	1.36	1.02	1.24	1.33	1.3
Mean years of schooling						
(35-44 minus 50-64)	1.66	1.25	0.83	0.67	0.93	0.9

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)

Croatia (Continued)

Alternative scenarios to 2100

SSP1 - Rapid Development

SSP2 - CEPAM Zero Migration

SSP2 - CEPAM Double Migration

SSP3 - Stalled Development

SSP1 - Rapid Development SSP2 - CEPAM Zero Migration

SSP2 - CEPAM Double Migration

SSP3 - Stalled Development

SSP2 - CEPAM Medium

SSP2 - CEPAM Medium

42.6

42.6

42.6

42.6

12.5%

12.9%

12.9%

12.9%

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

43.7

43.9

44.0

43.6

12.8%

12.9%

13.0%

46.2

46.6

47.0

45.1

12.7%

13.8%

14.0%

14.2% 15.0% 50.4

50.4

50.3

44.8

13.7%

14.5%

14.7%

14.9%

Projection results by scenario	o (SSP1-SSP3)							
	2015	2020	2030	2050	2060	2075	2100	Population
Population (in millions)								
SSP1 - Rapid Development	4.24	4.14	3.94	3.56	3.38	3.12	2.75	4.4
SP2 - CEPAM Zero Migration	4.24	4.16	4.00	3.62	3.43	3.14	2.72	₩ 3.9
SSP2 - CEPAM Medium	4.24	4.14	3.93	3.55	3.39	3.20	3.02	[ious
SP2 - CEPAM Double Migration	4.24	4.11	3.87	3.50	3.37	3.26	3.25	E 3.4
SSP3 - Stalled Development	4.24	4.15	4.02	3.75	3.67	3.61	3.79	
								(Lu U) 34 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9
Proportion age 65+								
SSP1 - Rapid Development	18.9%	21.0%	25.6%	34.6%		43.5%	50.1%	2.4
SSP2 - CEPAM Zero Migration	18.9%	20.7%	24.3%	30.5%		36.3%	40.7%	1.9
SSP2 - CEPAM Medium	18.9%	20.8%	24.7%	30.8%		34.7%	37.6%	2015 2025 2035 2045 2055 2065 2075 2085 2
SSP2 - CEPAM Double Migration	18.9%	20.9%	25.0%	31.0%		33.2%	35.8%	SSP1 - Rapid Development
SSP3 - Stalled Development	18.9%	20.5%	23.2%	25.7%	25.8%	24.3%	23.9%	SSP2 - CEPAM Zero Migration SSP2 - CEPAM Medium
Proportion below age 20								SSP2 - CEPAM Double Migration
SSP1 - Rapid Development	20.5%	19.6%	17.8%	14.5%	13.7%	12.3%	11.3%	SSP3 - Stalled Development
SSP2 - CEPAM Zero Migration	20.5%	19.8%	18.9%	17.1%		15.9%	15.1%	
SSP2 - CEPAM Medium	20.5%	19.8%	18.7%	16.9%			15.1%	Maan varer of releasing
SSP2 - CEPAM Double Migration	20.5%	19.7%	18.6%	16.8%		16.5%	16.4%	Mean years of schooling, age 25+
SSP3 - Stalled Development	20.5%	20.1%	21.0%	22.2%		24.4%	25.3%	14
Stanca Development	20.570	25.170	21.076	22.2/0	23.370	27.7/0	23.376	
Proportion of women age 20	L39 with nost-s	econdan	education					9
SSP1 - Rapid Development	24.5%	28.0%	34.7%	50.3%	57.4%	65.7%	74.8%	Number of years
SSP2 - CEPAM Zero Migration	24.5%	28.0%	34.1%	45.8%		58.4%	67.7%	g 8
								E 6
SSP2 - CEPAM Medium SSP2 - CEPAM Double Migration	24.5% 24.5%	27.7% 27.4%	33.4% 32.7%	44.3% 43.0%		56.2% 54.6%	65.3% 63.8%	2 -
SSP3 - Stalled Development	24.5%	21.7%	21.0%	20.7%		20.7%	20.7%	4 -
oor o otalica bevelopment	21.570	22.770	21.070	20.770	20.570	20.770	20.770	2
Mean years of schooling, ago	e 25+							0
SSP1 - Rapid Development	11.3	11.5	11.9	12.5	12.8	13.1	13.7	2015 2025 2035 2045 2055 2065 2075 2085 2
SSP2 - CEPAM Zero Migration	11.3	11.6	12.0	12.7			13.6	
SSP2 - CEPAM Medium	11.3	11.5	11.9	12.3			13.2	Proportion age 65+
SSP2 - CEPAM Double Migration	11.3	11.4	11.7	12.0	12.2	12.4	13.0	60%
SSP3 - Stalled Development	11.3	11.5	11.8	12.0		12.4	12.3	50%
33F3 - Stulled Development	11.3	11.3	11.0	12.2	12.3	12.3	12.3	
								40%
Demographic assumptions u	nderlying SSPs							5 30%
	2015-2020 2	020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100	30%
Total fertility rate								20%
SSP1 - Rapid Development	1.44	1.38	1.33	1.34	1.35	1.37	1.40	
SSP2 - CEPAM Zero Migration	1.49	1.48	1.50	1.54	1.56	1.58	1.61	10%
SSP2 - CEPAM Medium	1.49	1.49	1.51	1.55	1.57	1.59	1.61	0%
SSP2 - CEPAM Double Migration	1.49	1.50	1.51	1.56	1.58		1.62	2015 2025 2035 2045 2055 2065 2075 2085 2
SSP3 - Stalled Development	1.62	1.77	1.95	2.12	2.16	2.22	2.29	D
		_						Proportion of women age 20-39 with post-secondary education
Life expectancy at birth for f								80%
SSP1 - Rapid Development	81.6	83.1	86.3	92.5			106.6	70% -
SSP2 - CEPAM Zero Migration	81.1	82.2	84.3	88.6		93.9	98.2	60%
SSP2 - CEPAM Medium SSP2 - CEPAM Double Migration	81.1 81.1	82.2 82.1	84.3 84.2	88.5 88.4		93.8 93.6	98.0 97.9	
SSP3 - Stalled Development	80.6	81.1	82.2	84.5		87.2	89.4	<u>50%</u>
				2	22.0			50% 0 40% 0 30%
Migration – net flow over fix	ve years (in tho	usands)						g 30%
SSP1 - Rapid Development	-24.4	-18.2	-7.7	8.7	13.7	18.0	17.7	20%
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0			0.0	10%
SSP2 - CEPAM Medium	-24.3	-17.4	-4.7	16.5			32.6	
SSP2 - CEPAM Double Migration	-48.5	-34.0	-7.6	32.8			50.0	2015 2025 2035 2045 2055 2065 2075 2085 2
SSP3 - Stalled Development	-16.1	-5.7	0.0	0.0	0.0	0.1	0.1	2003
Againg indicators by sacratic								Annium in CEDANA NAMIUM C
Ageing indicators by scenario		2020	2020	2050	2000	2075	2005	Ageing in CEPAM Medium Scenario (S
Madian aga	2015	2020	2030	2050	2060	2075	2095	35%
Median age	***			F0 -		co -		

55.9

51.7

51.2

50.6

43.4

13.9%

15.0%

15.1%

15.1%

60.0

53.9

52.6

51.5

42.2

14.8%

15.5%

14.9%

14.2%

64.2

56.1

53.7

52.2

41.1

13.8%

14.7%

13.2%

12.3% 11.0% 2015 2025 2035 2045 2055 2065 2075 2085 2095

Proportion age 65+ Proportion RLE < 15 years

Croatia (Continued)

Labour force projections to 2060

Labour force indicators	2015	2020	2030	2040	2050	2060	Labour force size
							(CEPAM Medium)
Labour force size, by participation and mi	gration scen	ario (in mill	ions)				1.9
Constant (CEPAM Zero Migration)	1.87	1.82	1.71	1.59	1.45	1.32	
Constant (CEPAM Medium)	1.87	1.80	1.67	1.53	1.40	1.31	₹ 1.7
Constant (CEPAM Double Migration)	1.87	1.78	1.62	1.49	1.37	1.30	(su unili un unil un unil un unil un unil un
Swedish (CEPAM Zero Migration)	1.87	1.88	1.87	1.84	1.76	1.68	<u>E</u> 1.5
Swedish (CEPAM Medium)	1.87	1.86	1.82	1.78	1.71	1.66	per
Swedish (CEPAM Double Migration)	1.87	1.84	1.78	1.72	1.67	1.65	E 1.3
Equalization (CEPAM Zero Migration)	1.87	1.84	1.74	1.63	1.50	1.37	
Equalization (CEPAM Medium)	1.87	1.82	1.70	1.58	1.45	1.36	1.1
Equalization (CEPAM Double Migration)	1.87	1.80	1.65	1.53	1.42	1.36	0.9
Constant (CEPAM Medium-low fertility)	1.87	1.80	1.67	1.52	1.34	1.18	2015 2020 2025 2030 2035 2040 2045 2050 2055 206
Swedish (CEPAM Medium-low fertility)	1.87	1.86	1.82	1.76	1.63	1.51	Constant
Equalization (CEPAM Medium-low fertility)	1.87	1.82	1.70	1.56	1.39	1.23	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
							Labour force participation rates
Labour force participation rates, age 15+,	by participa	tion scenari	io (CEPAM I	Medium)			Population 15+ (CEPAM Medium)
TOTAL (Constant)	51.9%	51.2%	49.1%	47.0%	45.1%	44.0%	60%
TOTAL (Swedish)	51.9%	52.7%	53.6%	54.5%	55.0%	55.9%	50%
TOTAL (Equalization)	51.9%	51.5%	49.9%	48.4%	46.8%	45.8%	
MALE (Constant)	58.1%	57.1%	54.4%	52.2%	50.0%	48.2%	40% -
MALE (Swedish)	58.1%	58.6%	58.9%	59.7%	60.0%	60.6%	Proportion
MALE (Equalization)	58.1%	57.1%	54.4%	52.2%	50.0%	48.2%	lo 30% -
FEMALE (Constant)	46.3%	45.8%	44.1%	42.2%	40.5%	40.0%	20%
FEMALE (Swedish)	46.3%	47.4%	48.7%	49.6%	50.3%	51.5%	
FEMALE (Equalization)	46.3%	46.5%	45.8%	44.8%	43.8%	43.4%	10%
Labour force (15+) by highest level of edu	cational atta	inment. Co	lumns sum	to 100%.			2015 2020 2025 2030 2035 2040 2045 2050 2055 206
(CEPAM Medium; Constant participation)	1						
TOTAL E1-E4 - lower secondary and below	11.3%	9.5%	7.1%	5.8%	5.0%	4.4%	Labour force dependency ratio
TOTAL E5 - upper secondary	64.2%	63.4%	61.2%	57.6%	53.4%	49.0%	Inactive population / Active population (CEPAM Medium)
TOTAL E6 - short post-secondary	7.9%	8.4%	9.6%	11.0%	12.5%	13.9%	1.6
TOTAL 50 annuts and higher	15.0% 1.7%	16.8%	20.2%	23.5%	26.8%	30.1% 2.6%	
TOTAL E8 - master and higher MALE E1-E4 - lower secondary and below	11.3%	1.8%	8.0%	2.1% 6.6%	2.3% 5.7%	5.0%	1.4
MALE E5 - upper secondary	69.1%	68.7%	67.5%	65.1%	62.0%	58.9%	1.2
MALE E6 - short post-secondary	6.4%	6.7%	7.4%	8.3%	9.4%	10.5%	0 1.0 tig
MALE E7 - bachelor	11.7%	13.0%	15.5%	18.4%	21.1%	23.7%	²² 0.8
MALE E8 - master and higher	1.5%	1.5%	1.6%	1.6%	1.7%	2.0%	0.6
FEMALE E1-E4 - lower secondary and below	11.2%	8.9%	6.0%	4.9%	4.2%	3.7%	0.4
FEMALE E5 - upper secondary	58.5%	57.3%	53.9%	48.9%	43.3%	37.5%	0.2
FEMALE E6 - short post-secondary	9.6%	10.4%	12.0%	14.1%	16.0%	17.9%	0.0
FEMALE E7 - bachelor	18.7%	21.2%	25.6%	29.4%	33.4%	37.5%	2015 2020 2025 2030 2035 2040 2045 2050 2055 2060
FEMALE E8 - master and higher	2.0%	2.2%	2.5%	2.7%	3.0%	3.4%	

Labour force size by educational attainment according to three migration scenarios, 2015-2060 (Labour force participation = Constant scenario)

