

Annex C

Augmented neoclassical results

Table C.1 provides country details on each policy scenario when the projections employ a neoclassical growth model.

TABLE C.1 LOWER-BOUND PROJECTION RESULTS FROM AUGMENTED NEOCLASSICAL MODEL SPECIFICATION

	25 PISA point increase			Gender equality			Scenario I: All current students acquire basic skills			Scenario II: Full enrolment at current quality			Scenario III: Universal basic skills			Scenario IV: 30-year improvement		
	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP
Lower-middle income countries																		
Armenia	69	268%	5.6%	20	77%	1.6%	100	391%	8.1%	26	100%	2.1%	130	509%	10.5%	98	384%	7.9%
Georgia	71	193%	4.7%	6	16%	0.4%	149	408%	9.8%	44	121%	2.9%	219	599%	14.4%	163	445%	10.7%
Ghana	63	54%	1.9%	32	28%	1.0%	382	327%	11.6%	228	195%	6.9%	1 415	1213%	43.0%	980	840%	29.8%
Honduras	47	115%	3.5%	23	56%	1.7%	210	514%	15.8%	37	90%	2.8%	359	877%	27.0%	257	629%	19.3%
Indonesia	4 225	154%	4.4%	61	2%	0.1%	9 699	353%	10.1%	1 229	45%	1.3%	12 639	461%	13.2%	9 290	338%	9.7%
Morocco	328	121%	3.8%	12	5%	0.1%	1 217	448%	13.9%	209	77%	2.4%	1 869	689%	21.4%	1 348	497%	15.4%
Ukraine	1 374	358%	6.1%	100	26%	0.4%	941	245%	4.2%	536	140%	2.4%	1 520	396%	6.7%	1 163	303%	5.1%
Viet Nam	2 608	476%	5.4%	294	54%	0.6%	476	87%	1.0%	3 243	592%	6.7%	3 773	689%	7.8%	2 931	535%	6.1%
Upper-middle income countries																		
Albania	42	129%	3.5%	3	10%	0.3%	87	269%	7.2%	51	158%	4.2%	174	540%	14.5%	128	398%	10.7%
Argentina	1 392	150%	4.5%	97	10%	0.3%	2 645	284%	8.6%	211	23%	0.7%	3 016	324%	9.9%	2 218	238%	7.2%
Botswana	31	88%	2.8%	7	21%	0.7%	83	232%	7.4%	53	148%	4.7%	196	550%	17.4%	142	399%	12.6%
Brazil	4 517	142%	4.0%	882	28%	0.8%	8 035	253%	7.1%	2 868	90%	2.5%	12 772	403%	11.3%	9 424	297%	8.4%
Bulgaria	276	216%	5.0%	62	49%	1.1%	327	256%	6.0%	132	103%	2.4%	477	372%	8.7%	357	279%	6.5%
Colombia	820	120%	3.5%	365	53%	1.6%	1 698	249%	7.2%	723	106%	3.1%	3 133	459%	13.3%	2 300	337%	9.8%
Costa Rica	128	171%	4.4%	47	62%	1.6%	149	199%	5.1%	63	84%	2.1%	223	296%	7.6%	166	221%	5.7%
Hungary	788	315%	6.4%	94	38%	0.8%	400	160%	3.2%	52	21%	0.4%	455	182%	3.7%	347	139%	2.8%
Iran	2 137	160%	4.1%	22	2%	0.0%	3 420	256%	6.5%	1 985	149%	3.8%	5 712	428%	10.9%	4 246	318%	8.1%
Jordan	164	194%	5.2%	100	118%	3.2%	309	364%	9.8%	11	13%	0.3%	328	387%	10.4%	243	287%	7.7%
Kazakhstan	849	189%	5.1%	65	14%	0.4%	849	189%	5.1%	75	17%	0.5%	933	208%	5.6%	697	155%	4.2%
Lebanon	112	134%	3.8%	19	23%	0.7%	215	257%	7.3%	94	112%	3.2%	357	427%	12.2%	263	314%	9.0%
Macedonia	41	141%	4.0%	10	36%	1.0%	107	371%	10.5%	37	129%	3.6%	172	595%	16.8%	126	435%	12.3%
Malaysia	1 228	153%	4.3%	215	27%	0.8%	1 599	200%	5.6%	506	63%	1.8%	2 176	272%	7.7%	1 614	202%	5.7%
Mexico	3 053	135%	3.7%	610	27%	0.7%	3 941	174%	4.7%	2 578	114%	3.1%	7 178	318%	8.6%	5 332	236%	6.4%
Montenegro	20	202%	5.4%	3	32%	0.9%	33	326%	8.7%	0	0%	0.0%	33	326%	8.7%	24	243%	6.5%
Peru	553	137%	4.2%	136	34%	1.0%	1 525	378%	11.6%	174	43%	1.3%	1 964	487%	14.9%	1 432	355%	10.9%
Romania	976	242%	5.8%	11	3%	0.1%	852	211%	5.1%	0	0%	0.0%	852	211%	5.1%	641	159%	3.8%
Serbia	265	283%	6.0%	13	14%	0.3%	247	265%	5.6%	34	37%	0.8%	286	306%	6.5%	216	231%	4.9%
South Africa	500	70%	2.8%	54	8%	0.3%	2 710	381%	15.0%	565	79%	3.1%	4 923	692%	27.2%	3 441	483%	19.0%
Thailand	2 125	201%	4.7%	593	56%	1.3%	2 047	194%	4.5%	1 115	106%	2.5%	3 276	310%	7.2%	2 462	233%	5.4%
Tunisia	259	196%	5.3%	43	32%	0.9%	513	388%	10.6%	0	0%	0.0%	513	388%	10.6%	380	287%	7.8%
Turkey	3 253	205%	4.6%	73	5%	0.1%	2 399	151%	3.4%	2 461	155%	3.5%	5 044	318%	7.1%	3 800	240%	5.4%
High-income non-OECD countries																		
Bahrain	73	113%	3.9%	78	120%	4.1%	151	234%	8.1%	25	39%	1.3%	187	290%	10.0%	136	211%	7.3%
Croatia	290	325%	6.4%	25	28%	0.5%	139	156%	3.1%	23	26%	0.5%	164	183%	3.6%	125	140%	2.8%
Cyprus*	53	208%	5.5%	6	25%	0.7%				0	0%	0.0%						
Hong Kong-China	1 722	409%	6.7%	333	79%	1.3%	241	57%	0.9%	299	71%	1.2%	546	130%	2.1%	420	100%	1.6%

TABLE C.1 LOWER-BOUND PROJECTION RESULTS FROM AUGMENTED NEOCLASSICAL MODEL SPECIFICATION (continued)

	25 PISA point increase			Gender equality			Scenario I: All current students acquire basic skills			Scenario II: Full enrolment at current quality			Scenario III: Universal basic skills			Scenario IV: 30-year improvement		
	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP	Value of reform (bn USD)	In % of current GDP	In % of discounted future GDP
Latvia	178	349%	6.6%	33	65%	1.2%	51	99%	1.9%	8	16%	0.3%	59	116%	2.2%	45	89%	1.7%
Lithuania	241	290%	5.9%	34	41%	0.8%	107	129%	2.6%	45	55%	1.1%	155	186%	3.8%	118	142%	2.9%
Oman	138	80%	3.2%	200	116%	4.6%	464	269%	10.6%	94	54%	2.1%	676	392%	15.5%	481	279%	11.0%
Qatar	248	70%	3.2%	127	36%	1.7%	715	202%	9.3%	8	2%	0.1%	732	206%	9.6%	518	146%	6.8%
Russian Federation	11 647	320%	6.5%	776	21%	0.4%	5 041	138%	2.8%	77	2%	0.0%	5 123	141%	2.9%	3 904	107%	2.2%
Saudi Arabia	1 360	77%	2.9%	580	33%	1.2%	3 027	172%	6.4%	1 293	74%	2.8%	5 335	304%	11.4%	3 845	219%	8.2%
Singapore	1 803	386%	6.8%	67	14%	0.3%	332	71%	1.3%	139	30%	0.5%	474	102%	1.8%	364	78%	1.4%
Chinese Taipei	4 533	420%	7.2%	272	25%	0.4%	1 060	98%	1.7%	1	0%	0.0%	1 061	98%	1.7%	817	76%	1.3%
United Arab Emirates	985	153%	4.8%	304	47%	1.5%	1 074	167%	5.2%	19	3%	0.1%	1 095	170%	5.3%	810	126%	3.9%
Uruguay	114	156%	4.4%	12	16%	0.5%	193	264%	7.4%	49	67%	1.9%	258	354%	9.9%	191	261%	7.3%
High-income OECD countries																		
Australia	3 650	316%	6.4%	567	49%	1.0%	1 303	113%	2.3%	123	11%	0.2%	1 431	124%	2.5%	1 091	95%	1.9%
Austria	1 162	290%	6.1%	345	86%	1.8%	415	103%	2.2%	143	36%	0.7%	565	141%	2.9%	429	107%	2.2%
Belgium	1 549	321%	6.4%	220	46%	0.9%	706	146%	2.9%	65	14%	0.3%	775	161%	3.2%	591	122%	2.5%
Canada	5 695	346%	6.6%	698	42%	0.8%	1 350	82%	1.6%	263	16%	0.3%	1 622	98%	1.9%	1 241	75%	1.4%
Chile	838	194%	5.1%	265	61%	1.6%	878	203%	5.3%	160	37%	1.0%	1 058	245%	6.4%	791	183%	4.8%
Czech Republic	1 072	343%	6.5%	125	40%	0.8%	403	129%	2.4%	103	33%	0.6%	511	163%	3.1%	390	125%	2.4%
Denmark	735	285%	6.1%	168	65%	1.4%	261	101%	2.2%	33	13%	0.3%	296	115%	2.5%	225	87%	1.9%
Estonia	169	457%	7.3%	5	12%	0.2%	20	54%	0.9%	6	16%	0.3%	26	70%	1.1%	20	54%	0.9%
Finland	911	400%	7.0%	171	75%	1.3%	179	79%	1.4%	10	5%	0.1%	190	83%	1.5%	146	64%	1.1%
France	7 499	282%	6.0%	441	17%	0.4%	3 883	146%	3.1%	932	35%	0.7%	4 878	183%	3.9%	3 702	139%	3.0%
Germany	12 867	344%	6.7%	1 557	42%	0.8%	4 109	110%	2.1%	0	0%	0.0%	4 109	110%	2.1%	3 141	84%	1.6%
Greece	717	241%	5.6%	35	12%	0.3%	543	182%	4.3%	84	28%	0.7%	635	213%	5.0%	479	161%	3.8%
Iceland	38	261%	6.0%	3	23%	0.5%	22	150%	3.4%	0	2%	0.0%	22	152%	3.5%	17	115%	2.6%
Ireland	729	309%	6.3%	131	56%	1.1%	204	86%	1.8%	36	15%	0.3%	241	102%	2.1%	184	78%	1.6%
Israel*	666	237%	5.6%	70	25%	0.6%	623	222%	5.2%	94	33%	0.8%	728	259%	6.1%	548	195%	4.6%
Italy	5 855	276%	5.9%	1 142	54%	1.1%	2 885	136%	2.9%	963	45%	1.0%	3 908	184%	3.9%	2 966	140%	3.0%
Japan	21 525	438%	7.2%	5 621	114%	1.9%	4 332	88%	1.4%	1 123	23%	0.4%	5 486	112%	1.8%	4 229	86%	1.4%
Korea	8 729	461%	7.3%	1 651	87%	1.4%	1 343	71%	1.1%	441	23%	0.4%	1 794	95%	1.5%	1 385	73%	1.2%
Luxembourg	106	202%	5.4%	41	77%	2.0%	60	114%	3.0%	5	9%	0.2%	65	124%	3.3%	49	93%	2.5%
Netherlands	2 853	346%	6.7%	354	43%	0.8%	801	97%	1.9%	29	4%	0.1%	831	101%	1.9%	636	77%	1.5%
New Zealand	551	331%	6.5%	101	60%	1.2%	241	145%	2.8%	46	28%	0.5%	290	174%	3.4%	221	133%	2.6%
Norway	830	236%	5.8%	12	3%	0.1%	412	117%	2.9%	4	1%	0.0%	416	118%	2.9%	314	89%	2.2%
Poland	4 211	425%	7.0%	53	5%	0.1%	837	85%	1.4%	353	36%	0.6%	1 200	121%	2.0%	924	93%	1.5%
Portugal	922	323%	6.5%	82	29%	0.6%	453	159%	3.2%	0	0%	0.0%	453	159%	3.2%	345	121%	2.4%
Slovak Republic	444	283%	6.2%	67	43%	0.9%	327	208%	4.5%	7	4%	0.1%	334	213%	4.7%	253	161%	3.5%
Slovenia	223	356%	6.6%	12	19%	0.4%	68	109%	2.0%	16	25%	0.5%	85	135%	2.5%	65	104%	1.9%
Spain	4 561	287%	6.1%	1 025	65%	1.4%	1 928	121%	2.6%	476	30%	0.6%	2 431	153%	3.2%	1 848	116%	2.5%
Sweden	1 131	249%	5.9%	109	24%	0.6%	686	151%	3.6%	2	0%	0.0%	687	151%	3.6%	519	114%	2.7%
Switzerland	1 480	322%	6.4%	264	57%	1.1%	386	84%	1.7%	80	17%	0.3%	469	102%	2.0%	358	78%	1.6%
United Kingdom	8 203	322%	6.5%	2 010	79%	1.6%	3 485	137%	2.8%	0	0%	0.0%	3 485	137%	2.8%	2 656	104%	2.1%
United States	45 048	246%	5.9%	1 186	6%	0.2%	20 405	112%	2.7%	0	0%	0.0%	20 405	112%	2.7%	15 419	84%	2.0%

* See notes at the end of this Annex.

Notes: Discounted value of future increases in GDP until 2095 due to the respective reform, expressed in billion U.S. dollars (PPP), as a percentage of current GDP, and as a percentage of discounted future GDP. See text for reform parameters.

PISA stands for the Programme for International Student Assessment.

NOTES

Notes regarding Cyprus

Readers should note the following information provided by Turkey and by the European Union Member States of the OECD and the European Union regarding the status of Cyprus:

Note by Turkey

The information in this document with reference to “Cyprus” relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognises the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is found within the context of the United Nations, Turkey shall preserve its position concerning the “Cyprus issue”.

Note by all the European Union member States of the OECD and the European Union

The Republic of Cyprus is recognised by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the Government of the Republic of Cyprus.

Note regarding Israel

The statistical data for Israel are supplied by and under the responsibility of the relevant Israeli authorities. The use of such data by the OECD is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.



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