

Sector: Education

Sub-Sector / Technically Autonomous Unit (Network, basin, ..): Public Sector, Education System

Sector	Sub-sector	Geographic area	Component	Present Situation Sp	Target Situation St	Projects ΔS Remarks		Characteristics										Priority			
								Technical Constraints			Cost					Impact	Uncertainty (High, Medium, Low)				
								Description	Min. delay to start (Year)	Min. constr. Period (Year)	Inv Million US\$	Land Value /expro (a')	Yearly maintenance cost (%)	Major rehab/repla cost (c) %	Span for rehab (d)				Yearly ope. (e) %	Uncertainty	
Education	Education system	National	Physical Stock		Reform of the education system at the national scale, including updating of education programs, school map, etc..	Assessment of the education reform system			0.5	1	1						20%	Better integrated education system	L	1	
			Institutional Setup		New school map based on the current needs assessment study Assembling schools' project Legislative modification of the education system Human resources qualifications: training programs.																
			Economic Values: Investment (a) Mil US\$ Land value/expropriation (a') Mil US\$ Yearly maintenance % (b) Major rehab/replacement % (c) Span for rehab/replacement (years) (d) Yearly operation cost % (e)	1		2															
			Performance Indicators: Results Means																		

Sector: Education
Sub-Sector / Technically Autonomous Unit (Network, basin, ..): Public Sector, Pre-school Level (Kindergarten)

			Component	Present Situation	Target Situation	Projects		Characteristics											Priority			
Sector	Sub-sector	Geographic area	Sp	St	ΔS	Remarks	Technical Constraints			Cost					Impact	Uncertainty	(High, Medium, Low)					
							Description	Min. delay to start (Year)	Min. constr. Period (Year)	Inv Million US\$	Land Value /expro (a')	Yearly maintenance cost (%)	Major rehab/repla cost (c) %	Span for rehab (d)					Yearly ope. (e) %	Cost description	Uncertainty	
Education	Pre-school	National	Physical Stock	Total Public Schools=1405 Number of Public Schools with pre-school level=924 Number of Public Schools without pre-school level=481 Public sector is not sufficiently present in the pre-school level	Total Public Schools=1405 Number of Public Schools with pre-school level=1115 Number of Public Schools without pre-school level=290 Enforce significantly the pre-school level in public schools (Make it available, mainly in high density areas, urban areas)	Additional pre-school levels (in public primary schools)	191									construction cost: 37.3 rehabilitation cost: 3 equipments: 5.7 cost of land (unknown) non-physical cost: 4	cost of land					
								2	1	50		3	32	30	25	Total	20%	High social impact	L			
Detailed distribution :																						
روضات التربوية																						
بيروت الاولى							4		2	1	1.05		3	32	0	25		20%	High social impact	L	1	
بيروت الثانية							9		2	1	2.36		3	32	0	25		20%	High social impact	L	1	
بيروت الثالثة							5		2	1	1.31		3	32	0	25		20%	High social impact	L	1	
ضواحي بيروت الشمالية							1		2	1	0.26		3	32	0	25		20%	High social impact	L	1	
ضواحي بيروت المباشرة الجنوبية							7		2	1	1.83		3	32	0	25		20%	High social impact	L	1	
ضواحي بيروت الغربية الشمالية							2		2	1	0.52		3	32	0	25		20%	High social impact	L	2	
ضواحي بيروت الغربية الوسطى							2		2	1	0.52		3	32	0	25		20%	High social impact	L	2	
ضواحي بيروت الغربية الجنوبية							12		2	1	3.14		3	32	0	25		20%	High social impact	L	2	
ضواحي بيروت البعيدة - كسروان							11		2	1	0.26		3	32	0	25		20%	High social impact	L	2	
ضواحي بيروت البعيدة - المن							10		2	1	0.00		3	32	0	25		20%	High social impact	L	2	
ضواحي بيروت البعيدة - عاليه							1		2	1	0.26		3	32	0	25		20%	High social impact	L	2	
ضواحي بيروت البعيدة - الشوف							10		2	1	0.00		3	32	0	25		20%	High social impact	L	2	
ضواحي بيروت البعيدة - الشوف جبيل							5		2	1	1.31		3	32	0	25		20%	High social impact	L	2	
كسروان							2		2	1	0.52		3	32	0	25		20%	High social impact	L	2	
المن							1		2	1	0.26		3	32	0	25		20%	High social impact	L	2	
بعدنا							10		2	1	0.00		3	32	0	25		20%	High social impact	L	2	
عاليه							3		2	1	0.79		3	32	0	25		20%	High social impact	L	2	
الشوف							11		2	1	2.88		3	32	0	25		20%	High social impact	L	2	
طرابلس المدينة							56		2	1	14.66		3	32	0	25		20%	High social impact	L	1	
طرابلس الضواحي							6		2	1	1.57		3	32	0	25		20%	High social impact	L	2	
المنية - المنية							3		2	1	0.79		3	32	0	25		20%	High social impact	L	2	
عكار							16		2	1	4.19		3	32	0	25		20%	High social impact	L	2	
زغرتا							5		2	1	1.31		3	32	0	25		20%	High social impact	L	2	
الكورة							2		2	1	0.52		3	32	0	25		20%	High social impact	L	2	
بشري							4		2	1	1.05		3	32	0	25		20%	High social impact	L	2	
البترون							4		2	1	1.05		3	32	0	25		20%	High social impact	L	2	
زحلة المدينة							2		2	1	0.52		3	32	0	25		20%	High social impact	L	2	
زحلة الضواحي							10		2	1	0.00		3	32	0	25		20%	High social impact	L	2	
زحلة القضاء							3		2	1	0.79		3	32	0	25		20%	High social impact	L	2	
الزهرل							1		2	1	0.26		3	32	0	25		20%	High social impact	L	2	
بعلبك							4		2	1	1.05		3	32	0	25		20%	High social impact	L	2	
البقاع الغربي							1		2	1	0.26		3	32	0	25		20%	High social impact	L	2	
راشيا							10		2	1	0.00		3	32	0	25		20%	High social impact	L	2	
صيدا المدينة							1		2	1	0.26		3	32	0	25		20%	High social impact	L	2	
صيدا الضواحي							10		2	1	0.00		3	32	0	25		20%	High social impact	L	2	
صيدا القضاء							1		2	1	0.26		3	32	0	25		20%	High social impact	L	2	
حزوين							10		2	1	0.00		3	32	0	25		20%	High social impact	L	2	
صور							3		2	1	0.79		3	32	0	25		20%	High social impact	L	2	
النبطية							7		2	1	1.83		3	32	0	25		20%	High social impact	L	2	
بلت جيل							2		2	1	0.52		3	32	0	25		20%	High social impact	L	2	
حاصبيا							1		2	1	0.26		3	32	0	25		20%	High social impact	L	2	
مرجعيون							3		2	1	0.79		3	32	0	25		20%	High social impact	L	2	
المجموع							191															
			Institutional Setup		New school map based on the current needs assessment study Assembling schools' project Legislative modification of the pre-school level structure (2 to 3 years) Creation of a separate administration for the pre-school level in MoEd human resources qualifications: training programs, pre-school taught programs																	
			Economic Values:																			
			Investment (a) Mil US\$	34	84																	
			Land value/expropriation (a') Mil US\$	11	24																	
			Yearly maintenance % (b)	0.5	3																	
			Major rehab/replacement % (c)	30	30																	
			Span for rehab/replacement (years) (d)	15	30																	
			Yearly operation cost % (e)	109	54																	
			Performance Indicators:																			
			Results	Share of public schools in total pre-school level enrollement 24.6%	Share of public schools in total pre-school level enrollement 36.5%																	

Sector	Sub-sector	Geographic area	Component	Present Situation	Target Situation	Projects		Characteristics											Priority		
								Technical Constraints			Cost					Impact	Uncertainty				
								Description	Min. delay to start (Year)	Min. constr. Period (Year)	Inv Million US\$	Land Value /expro (a)	Yearly maintenance cost (%)	Major rehab/repla cost (c) %	Span for rehab (d)			Yearly ope. (e) %		Cost description	Uncertainty
			Means	Total pre-school enrolment rate: 71%	Total pre-school enrolment rate: 83%																

Sector: Education

Sub-Sector / Technically Autonomous Unit (Network, basin, ..): Public Sector, All Levels

			Component	Present Situation	Target Situation	Projects		Technical Constraints								Characteristics				Impact	Uncertainty	Priority
Sector	Sub-sector	Geographic area		Sp	St	ΔS	Remarks	Description	Min. delay to start (Year)	Min. constr. Period (Year)	Inv Million US\$	Land Value /expro (a)	Yearly maintenance cost (%)	Major rehab/repla cost (c) %	Span for rehab (d)	Yearly op. (e) %	Cost description	Uncertainty	(High, Medium, Low)			
Education	all levels	Lebanon	Physical Stock	Double shifts in some schools Lack of supply in some urban areas Bad building conditions in some schools Lack of equipments in some schools	Elimination of double shifts Improve building quality Improve access to good equipments	New schools Total new sections K + P + I + S K + P + I I + S S K	38 768 10 6 14 5 3	New school map study Assembling school study Availability of land Availability of free spaces in existing schools									construction cost: 38.4 equipments: 3.8 cost of land (unknown)	cost of land				
						Detailed distribution			2	1	42.2		3	27	30	26	Total	20%	High social impact	Low		
						Achrafieh	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Mazraa	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Mousaytbeh	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Borj Hammoud	24		2	1	1.32		3	27	30	26		20%	High social Impact	Low	1	
						Ghobayre 1	45		2	1	2.47		3	27	30	26		20%	High social Impact	Low	1	
						Ghobayre 2	45		2	1	2.47		3	27	30	26		20%	High social Impact	Low	1	
						Ghobayre 3	45		2	1	2.47		3	27	30	26		20%	High social Impact	Low	1	
						Hadath	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Mreije	18		2	1	0.99		3	27	30	26		20%	High social Impact	Low	1	
						Haret Hreik	18		2	1	0.99		3	27	30	26		20%	High social Impact	Low	1	
						Hay el sollom	45		2	1	2.47		3	27	30	26		20%	High social Impact	Low	1	
						Borj Brajneeh	45		2	1	2.47		3	27	30	26		20%	High social Impact	Low	1	
						Ouzai	45		2	1	2.47		3	27	30	26		20%	High social Impact	Low	1	
						Zouk Mkael	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Jouneih	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Tabarja	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Jal el-dib	6		2	1	0.33		3	27	30	26		20%	High social Impact	Low	1	
						Choueifat	30		2	1	1.65		3	27	30	26		20%	High social Impact	Low	1	
						Halat	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Mrouj	6		2	1	0.33		3	27	30	26		20%	High social Impact	Low	1	
						Abay	6		2	1	0.33		3	27	30	26		20%	High social Impact	Low	1	
						Rmayleh	30		2	1	1.65		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	24		2	1	1.32		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	6		2	1	0.33		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	6		2	1	0.33		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	6		2	1	0.33		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	6		2	1	0.33		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	24		2	1	1.32		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	24		2	1	1.32		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	24		2	1	1.32		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	24		2	1	1.32		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Tripoli	36		2	1	1.98		3	27	30	26		20%	High social Impact	Low	1	
						Bedaoui	24		2	1	1.32		3	27	30	26		20%	High social Impact	Low	1	
						Akkar	6		2	1	0.33		3	27	30	26		20%	High social Impact	Low	1	
						Zahle	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Chtoura	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Rachaya	12		2	1	0.66		3	27	30	26		20%	High social Impact	Low	1	
						Saida	30		2	1	1.65		3	27	30	26		20%	High social Impact	Low	1	
						38 new schools	768															
			Institutional Setup	Compulsory free education is approved but not applied Law #686/98 is not applied This law covers till end primary or age 12	Apply the law # 686/98 (compulsory free education till 12) Extend this law to include end intermediate (age 15)	Creation of tools for primary detection of learning difficulties Training teachers (reduce drop out) Evaluation of student's performance Develop recuperation program for drop-out Training teachers (recuperation) Periodical project assessment Institutional setup	P1 P2 P3 P4 P5 P6 P7		2 2 2 2 2 2 2	2 2 2 2 2 2 2			0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0.04 3.3 0.18 0.01 0.08 0.19 0.2	20% 20% 20% 20% 20% 20% 20%	High social Impact High social Impact High social Impact High social Impact High social Impact High social Impact High social Impact	Medium Medium Medium Medium Medium Medium Medium	2 2 2 2 2 2 2		
					New school map based on the current needs assessment study Assembling schools' project Institutional framework: create a Human Ressources Department in the Ministry	Studies	P8		1	1	1.5		0%	100%	15	15%		40%	High	Low	2	
			Economic Values:	Investment (a) Mil US\$ Land value/expropriation (a') Mil US\$ Yearly maintenance % (b) Major rehab/replacement % (c) Span for rehab/replacement (years) (d) Yearly operation cost % (e)	256 99 3% 30% 30 117%																	
			Performance Indicators:																			
			Results		Number of schools having double shifts = 0 buildings evaluation, including equipments, in line with norms and standards																	

Sector	Sub-sector	Geographic area	Component	Present Situation Sp	Target Situation St	Projects ΔS Remarks		Characteristics												Priority
								Technical Constraints			Cost						Impact	Uncertainty (High, Medium, Low)		
								Description	Min. delay to start (Year)	Min. constr. Period (Year)	Inv Million US\$	Land Value /expro (a')	Yearly maintenance cost (%)	Major rehab/repla cost (c) %	Span for rehab (d)	Yearly ope. (e) %			Cost description	
			Means		reduce drop out rates per level reduce failure rates per level increase enrollement rates (net and gross) per age bracket reduce illiteracy rates per age brackets															

Sector: Education

Sub-Sector / Technically Autonomous Unit (Network, basin, ..): Public Sector, University

			Component	Present Situation	Target Situation	Projects		Characteristics										Priority			
Sector	Sub-sector	Geographic area	Sp	St	ΔS	Remarks	Technical Constraints			Cost							Impact	Uncertainty	Priority		
							Description	Min. delay to start (Year)	Min. constr. Period (Year)	Inv Million US\$	Land Value /expro (a')	Yearly maintenance cost (%)	Major rehab/repla cost (c) %	Span for rehab (d)	Yearly ope. (e) %	Cost description	Uncertainty	(High, Medium, Low)			
Education	University	Lebanon	Physical Stock	Lebanese University "disaggregated" in many sites	Create four unified sites in Lebanon (Beirut-Hadath, Tripoli, Zahlé, Nabatieh), in accordance with the SDATL recommendations	Tripoli site (under implementation, planned by CDR)														on going	
							Zahle site	availability of site	2	2	77		3%	30%	30	14%		20%	Medium	Medium	2
							Nabatieh site	availability of site	2	2	138		3%	30%	30	14%		20%	Medium	Medium	2
			Institutional Setup																		
			Economic Values:																		
			Investment (a) Mil US\$	300	500																
			Land value/expropriation (a') Mil US\$	100	167																
			Yearly maintenance % (b)	0.5	3																
			Major rehab/replacement % (c)	30	30																
			Span for rehab/replacement (years) (d)	15	30																
			Yearly operation cost % (e)	38	28																
			Performance Indicators:																		
			Results																		
			Means																		

Sector: Education
Sub-Sector / Technically Autonomous Unit (Network, basin, ..): Public Sector, VTE

			Component	Present Situation	Target Situation	Projects		Characteristics										Priority			
Sector	Sub-sector	Geographic area	Sp	St	ΔS	Remarks	Technical Constraints			Cost							Impact	Uncertainty	(High, Medium, Low)		
							Description	Min. delay to start (Year)	Min. constr. Period (Year)	Inv Million US\$	Land Value /expro (a')	Yearly maintenance cost (%)	Major rehab/rep/la cost (c) %	Span for rehab (d) (Year)	Yearly ope. (e) %	Cost description					Uncertainty
			Physical Stock	lack of adequate equipments lack of supply in some areas																	
Education	VTE	Lebanon																			
Education	VTE	Lebanon																			
Education	VTE	Lebanon																			
Education	VTE	Lebanon																			
Education	VTE	Lebanon																			
Education	VTE	Lebanon																			
Education	VTE	Lebanon																			
Education	VTE	Lebanon																			
Education	VTE	Lebanon																			
Education	VTE	Lebanon																			
			Institutional Setup		New fields of specialization should be integrated Create a mechanism to study the needs of the labor market Make the system more flexible (formation continue) Program adaptation between theoretical issues and practical issues																
			Economic Values:																		
			Investment (a) Mil US\$	100	151.2																
			Land value/expropriation (a') Mil US\$	33	50																
			Yearly maintenance % (b)	0.5	3																
			Major rehab/replacement % (c)	30	40																
			Span for rehab/replacement (years) (d)	10	10																
			Yearly operation cost % (e)	70	40																
			Performance Indicators:																		
			Results																		
			Means																		