1		oduction	1 10		
2	Geography, Economy and Environment of Atoll				
	Islar	Island States			
	2.1	Introduction	13		
	2.2	Types of Islands	14		
	2.3	Atoll Islands	14		
		2.3.1 Atolls and Coral-Reef Islands	19		
		2.3.2 Raised Limestone Islands	19		
	2.4	Coral Reefs and Foraminifers	20		
		2.4.1 Coral Reefs	21		
		2.4.2 Foraminifers	24		
	2.5	Dynamic Coastal Environments	24		
		2.5.1 Atoll Systems	26		
		2.5.2 Coastal Erosion in Atolls	28		
	2.6	Atoll Island States	30		
		2.6.1 Urbanisation, Development Challenges			
		and Vulnerability	31		
	2.7	Conclusions	32		
	Refe	rences	33		
3	Clin	nate Change and Its Effects on Atoll Island States	35		
	3.1	Introduction	35		
	3.2	Climate Change and Its Implications for Atoll Island States	36		
		3.2.1 Sea Level Rise	37		
		3.2.2 El Niño and La Niña	41		
		3.2.3 Loss of Coral Reefs	42		
		3.2.4 King Tides (Spring Tides)	50		
	3.3 Natural Disasters				
		3.3.1 Tropical Cyclones	55		
		3.3.2 The Role of Tsunamis	63		



	3.4	Wave	Climate	67
	3.5	Coasta	ll Erosion	68
		3.5.1	Majuro Atoll, Marshall Islands	71
		3.5.2	Funafati Atoll, Tuvalu	73
	3.6	Chang	es in Precipitation and its Effects on Water Supplies	77
	3.7	U	ation Measures	79
		3.7.1	Financing Adaptation	80
		3.7.2	Coral Reefs and Foraminifera	81
		3.7.3	Freshwater and Farming	83
		3.7.4	Insurance	84
		3.7.5	Migration	84
		3.7.6	Construction of Coastal Defences	87
	3.8		usions	97
				98
	Kele	iences.		
4	Clin		ange Negotiations and AOSIS	105
	4.1	Introd	uction	105
	4.2	Histor	y of Climate Change Negotiations	106
		4.2.1	The Intergovernmental Panel on Climate Change (IPCC)	107
		4.2.2	The United Nations Framework Convention on Climate	
			Change	107
		4.2.3	The Kyoto Protocol	108
		4.2.4	Recent Development in Climate Change Negotiations	109
	4.3	The A	Iliance of Small Island States	111
		4.3.1	Structure of AOSIS and Socio-Economic Profile	
			of its Members	111
		4.3.2	The Small Island Developing States	113
		4.3.3	Climate Change and AOSIS	114
	4.4		usions	117
				118
5	Futi	ire Ato	Il Scenarios: Adaptation Strategies	
			Implication Under UNCLOS	121
	5.1		uction	121
	5.2		me Boundaries and Baselines	123
		5.2.1	UNCLOS and Maritime Zones	123
		5.2.2	UNCLOS and the Determination of Baselines	127
		5.2.3	The Problem of Ocean Boundaries	129
	5.3		e Scenarios for Atolls Island States and Sovereignty	
		Implications		
		5.3.1	Scenario I: No change	134
		5.3.2	Scenario II: Barren Rock	134
		5.3.3	Scenario III: Submergence	137
		5.3.4	Scenario IV: Protection of a Naturally Formed Island	
			by Coastal Structures	151
		5.3.5	Scenario V: Lighthouse	155

.

		5.3.6	Scenario VI: Houses on Piles	157
		5.3.7	Scenario VII: Elevation of an Entire Island	159
		5.3.8	Scenario VIII: Floating Island	167
		5.3.9	Scenario IX: Reconstruction of an Island After it has	
			Disappeared	168
	5.4	Concl	usions	169
	Refe	erences		171
6	A 140	motive	Solutions to Process the Soversignty	
U			Solutions to Preserve the Sovereignty	175
	6.1		uction	175
	6.2		ack of Consensus on the Criteria for Statehood	180
	6.3		on of Territory	180
	0.5	6.3.1	The Boers and the Preservation of the Government	107
		0.5.1	in a New Territory	189
		6.3.2	Political Climate Regarding the Purchasing of Territories	109
		0.5.2	by Atoll Island States	190
		6.3.3	Purchase of Rabi and Resettlement of Banabans:	190
		0.3.3	Examples of Cession and Merger of Territory	191
	6.4	Status	of Acquired Territories	197
	0.4	6.4.1	Merger of Territory	197
	6.5		prritorialized State	202
	0.5	6.5.1	De-Territorialized States in History and Nowadays	202
		6.5.2	Political Trusteeship	205
	6.6		nment-in-Exile	200
	6.7		nition Scenarios	210
	6.8	-		210
				212
	Ren	rences		
7	Clin		nange Displacement in Atoll Island States	219
	7.1		uction	219
	7.2	Termi	nology Discussion	224
		7.2.1	Distinction Between Environmentally Displaced People	
			and Climate-Change Displaced People	227
	7.3		951 Convention Relating to the Status of Refugees and	
		"Clim	ate-Change Displaced People"	230
		7.3.1	A Convention to Protect Climate-Change	
			Displaced People?	234
		7.3.2	Challenges Regarding the Creation of a Convention	
			to Protect Climate-Change Displaced People	237
		7.3.3	A Metaphor of Human Rights and the Creation	
			of a Convention to Address Climate Change	
			Displaced People	240
	7.4	Comp	lementary and Temporary Protection	245
		7.4.1	Under What Circumstances Could Complementary or	
			Temporary Protection Possibly be Applied	
			to Environmentally Displaced People?	247

	7.5 Use of Bilateral Agreements			249
	7.6	aw	252	
	7.7	Statelessness		
		7.7.1	Statelessness and Atoll Island States	254
		7.7.2	The Right to a Nationality to Prevent the Statelessness	
			of the Inhabitants of Atoll Island States	258
	7.8	Huma	n Rights of Climate-Change Displaced People	262
		7.8.1	Is There a Relationship Between Climate Change	
			and Human Rights?	263
		7.8.2	Does Climate Change Constitute a Violation	
			of Human Rights?	264
		7.8.3	What are States' National-Level and	
			International-Level Human Rights Obligations	
			Pertaining to Climate Change?	268
		7.8.4	Time, Climate-Change Displaced People, and the Case	
			of the Atoll Island States	269
	7.9	Other	Possible Alternative Status and Conclusions	276
	Refe	erences		278
8	Con	cluding	g Remarks	285
		-	,	289
In	dex.			291