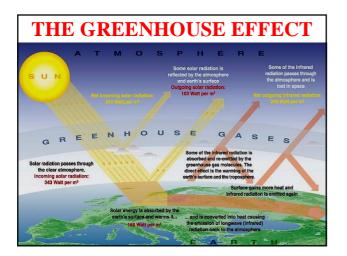
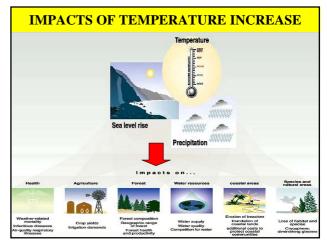
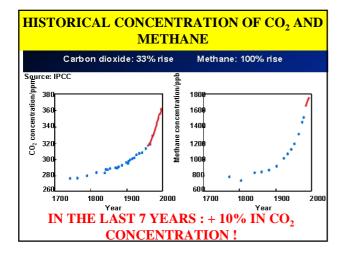


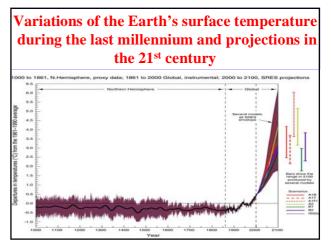
CONTENTS OF THE PRESENTATION

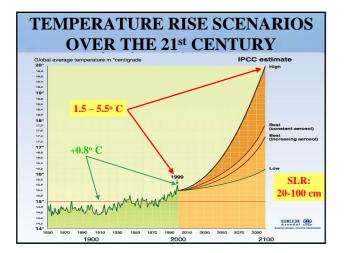
CLIMATE CHANGES AND PREDICTIONS
THE USE OF THE SEASHORE AND BEACH ZONES
MODELS TO STUDY SHORELINE CHANGE
STUDY OF THE STRATEGIC RETREAT IN GREECE
RESULTS AND CONCLUSIONS





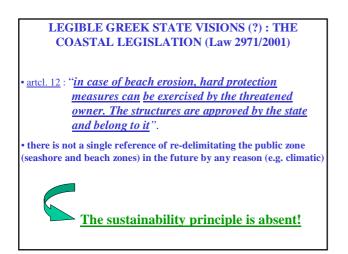


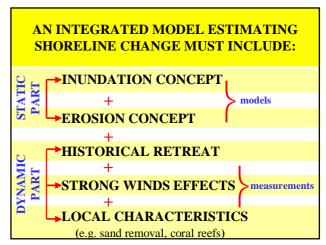


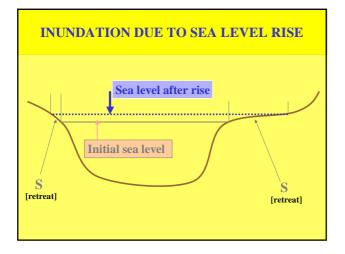


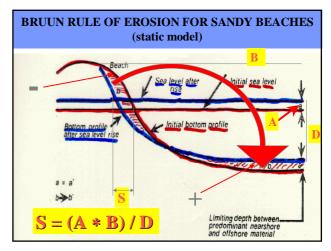
THE USE OF SEASHORE AND BEACH ZONES

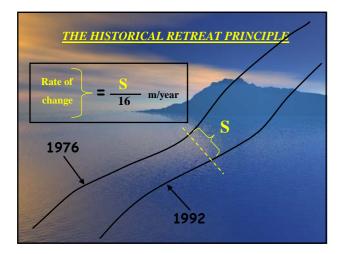
- the seashore limit ends up where the usual but maximum waves run up the beach
- the seashore zone is the buffer zone of a coastal area absorbing the wave impact energy and accommodates the high tidal waters
- the beach zone extends 50 m from the landward limit of the seashore zone
- <u>no private</u> construction is permitted (in the seashore and beach zones). They have to remain free for public use, defense etc.

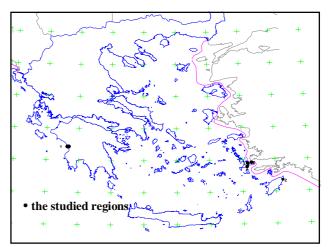


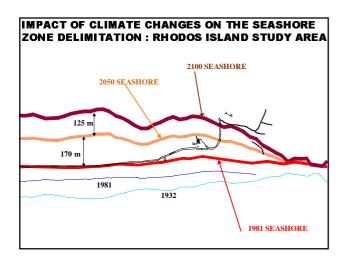


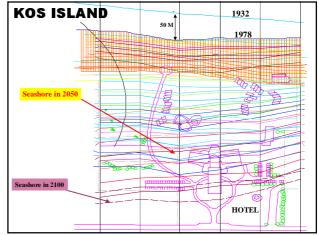


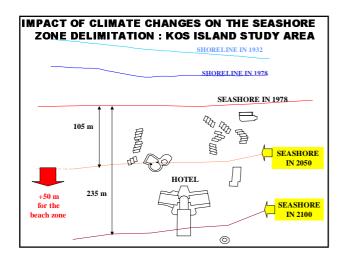






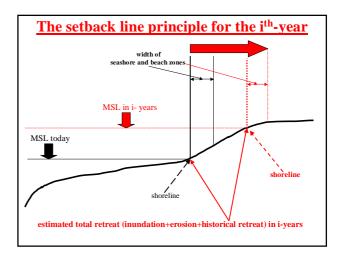


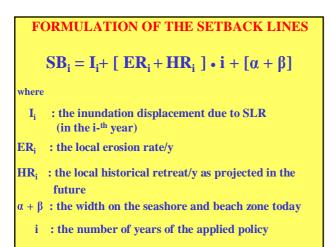


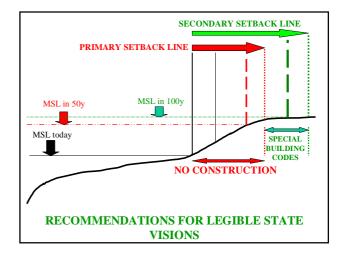


	VARTH OLO MI	O AFANDOU	TIGAKI	KARDAMAINA	AMMOGLOSS
Shoreline					
Length (Km)	2.7	2.4	2.7	0.6	0.3
Shore type	Undeveloped	Heavily developed	Undeveloped	Semi-developed	Hotel
Coastal slope (%)	0.025	0.031	0.022	0.032	0.027
Geom/hology	Sandy beach	Sandy beach	Sandy beach	Sandy beach	Sandy beach
Relative SLR (mm/yr)	3.3	2.0	3.5	3.5	3.5
Historical retreat (m)	11	55	2.8	5.7	38.6
[period] [[1960-2000]	[1932-1981]	[1932-1987]	[1932-1988]	[1932-1978]
Total retreat (Sum of impact SLR = 0.5m		156.6	58.4	34.8	137.0
Total retreat (Sum of impact SLR = 1.0m		182.3	118.3	54.8	205.2

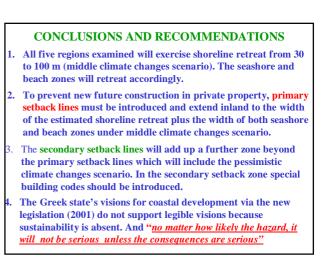
	VARTHOLOMIO	AFANDOU	TIG AKI	KARDAMAINA	AMM0 GLOSSA
Seashore					
displacement					
SLR = 0.5m	58.5	100.2	55.8	29.7	95.0
Seashore					
displacement					
SLR = 1.0m	113.6	182.3	118.3	57.6	205.2
5ER - 1.0M	115.0	102.5	110.0	5710	200.2







PRIMA	RY AND	SECO	NDAR	Y SETBACK LINES	
	VAR THO LO MIO	AFANDOU	TIGAKI	KARDAMAINA	AMMOGLOSSA
Primary Setback Line (m)	109	207	109	85	187
Secondary Setback Line (m)	164	232	168	105	255



Thus, if the state wants to have legible visions, a flexible institutional and legislative setting should call for <u>ADAPTATION</u> due to climate change impacts on the coastal zone

