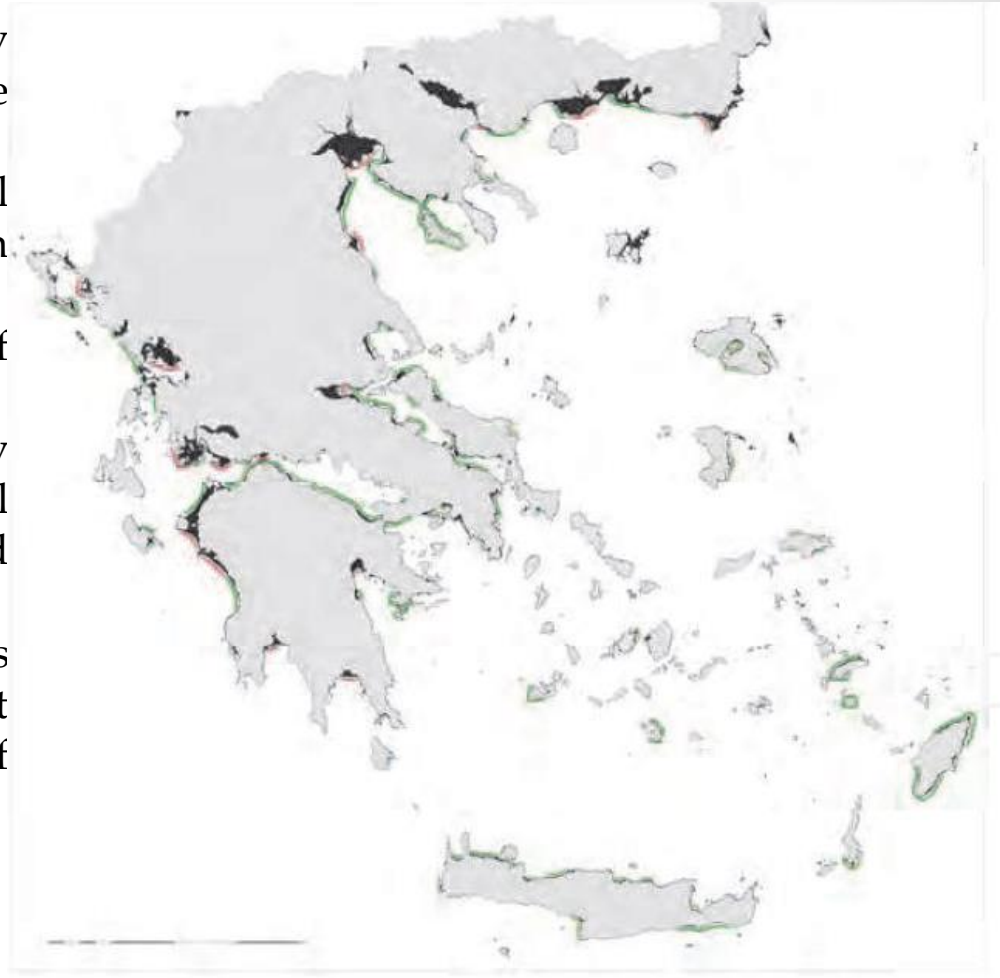


MEDSHILD and REDSHILD projects

Impact of sea level rise on Greece

- Greek islands likely to be most strongly affected: Lemnos, Samos, Rhodes, Crete and Corfu
- 33% of Greek population inhabits coastal areas located at 1-2 km distance from coast
- 80% of industrial, 90% of tourism, 35% of agriculture are in coastal zone
- Greek authorities project that 0.5m SLR by 2100 will flood 15% of the current total coastal wetlands area with estimated economic losses exceeding 350million €
- Estimated total long term financial loss due to a 0.5m and 1m SLR on different land uses in the Greek coastal zone: 2% of the Greek GDP until 2100



Impacts of climate change on all European islands, IEEP

MEDSHILD and REDSHILD projects

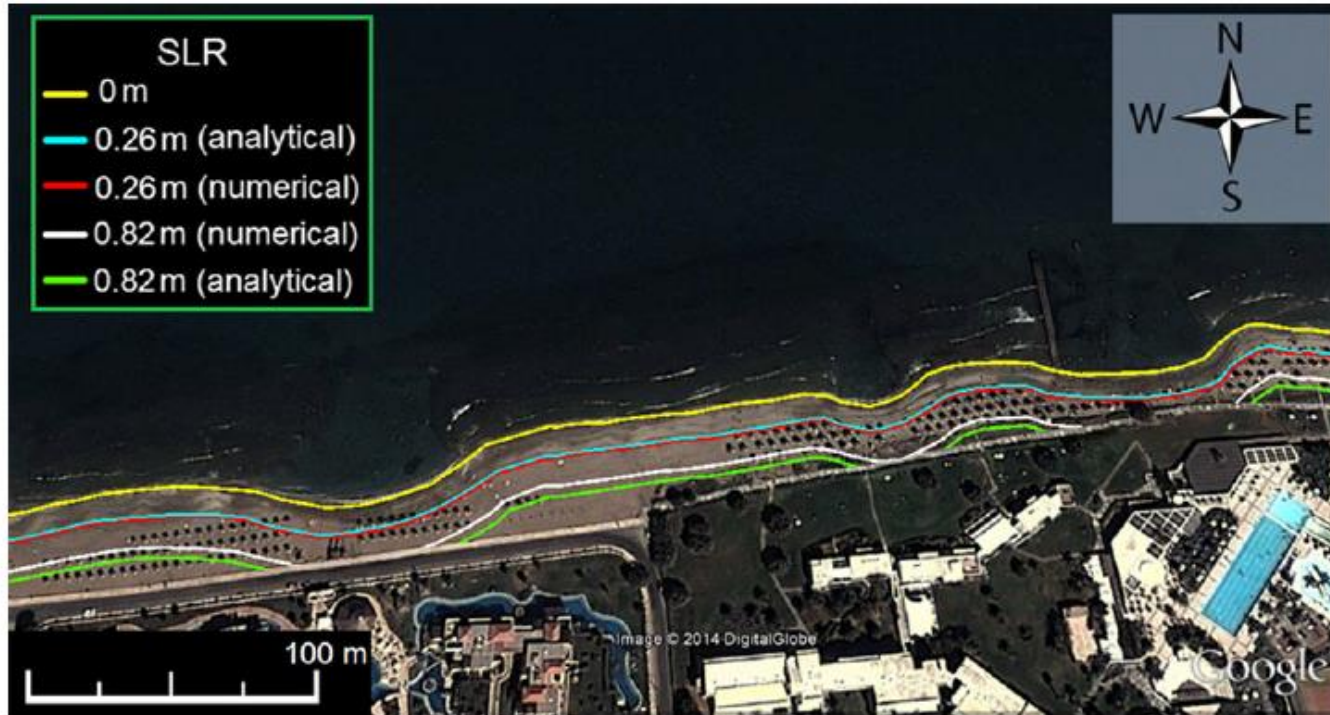
Impact of sea level rise on Greece



Impacts of climate change on all European islands, IEEP

MEDSHILD and REDSHILD projects

Impact of sea level rise on Greece-Crete

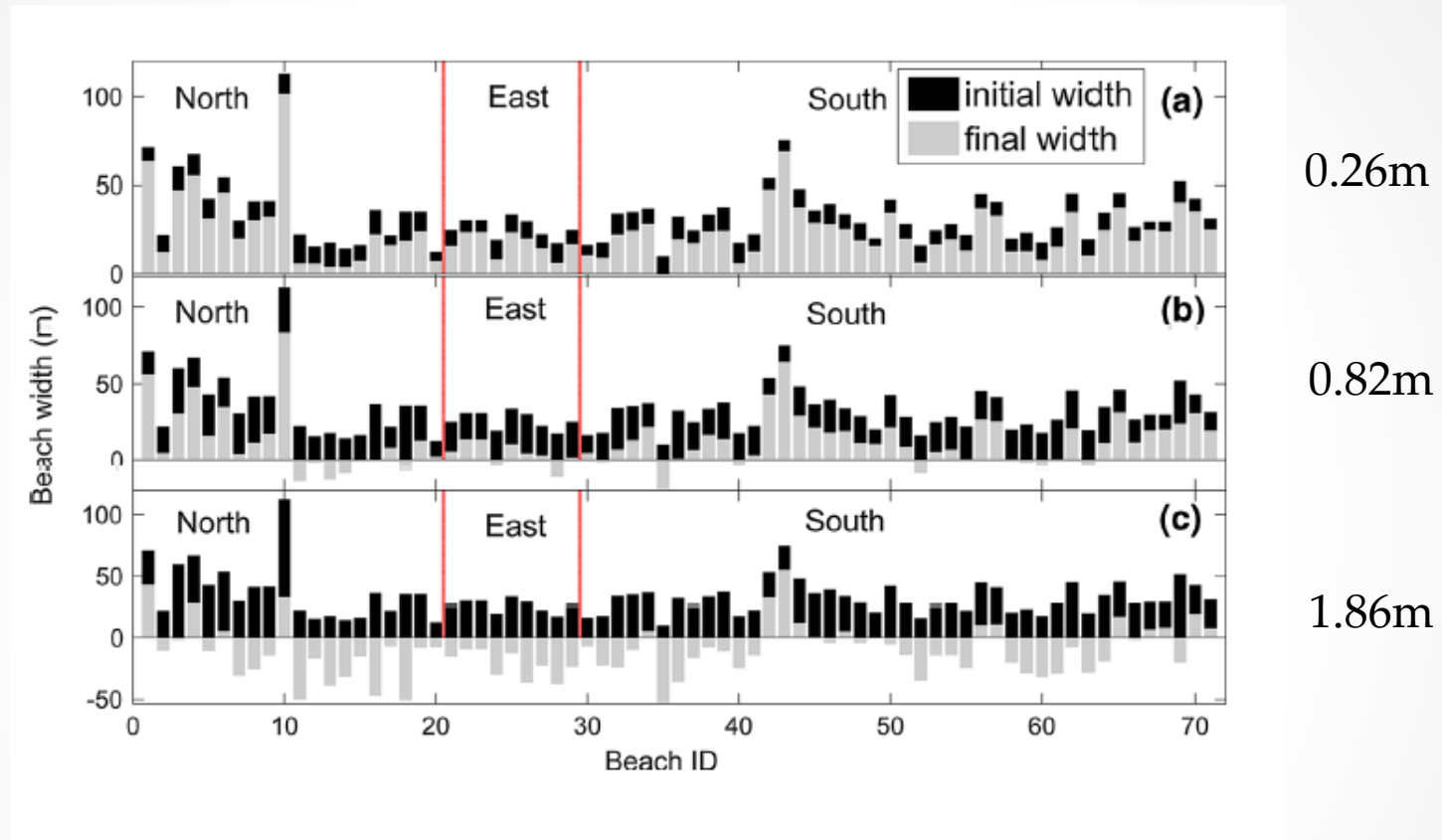


Predictions of beach retreat due to 0.26m and 0.82m SLR for the Analipsi beach in Crete on the basis of analytical and numerical models

Assessment of vulnerability of the eastern Cretan beaches (Greece) to sea level rise, Monioudis et al.

MEDSHILD and REDSHILD projects

Impact of sea level rise on Greece-Crete

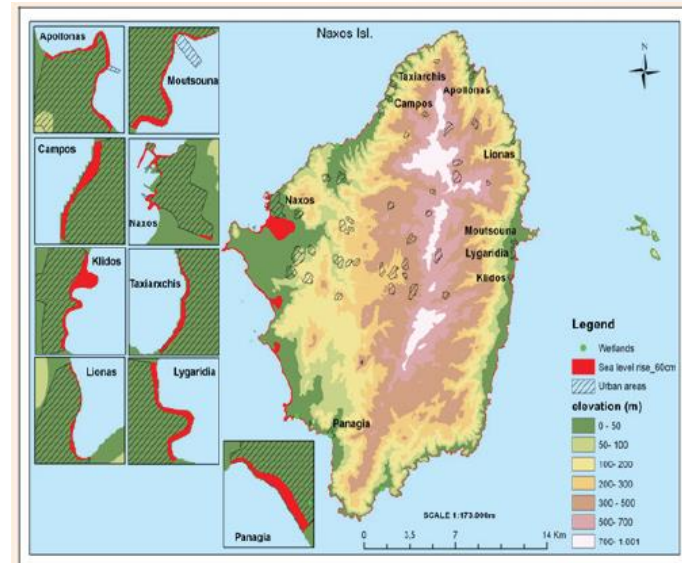
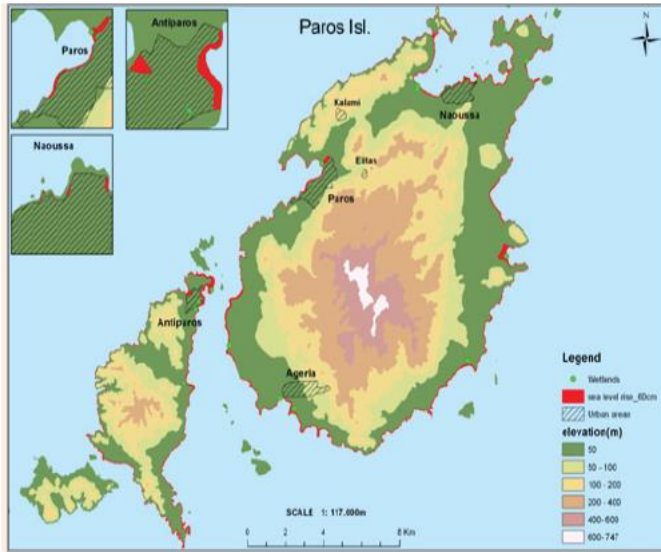


Predictions of beach retreat due to 0.26m, 0.82m and 1.86m SLR

Assessment of vulnerability of the eastern Cretan beaches (Greece) to sea level rise, Monioudis et al.

MEDSHILD and REDSHILD projects

Impact of sea level rise on Greece-Naxos-Paros



Land loss in case of 0.6m SLR

	Lost non-urban-area (m2)			Value (€)		
	0.3m	0.6m	1m	0.3m	0.6m	1m
Naxos	3004414	3658420	4425481	16515867 €	20111066 €	24327753 €
Paros(with Antiparos)	1232310	1965718	2801051	7080363 €	11294232 €	16093720 €

Area and economic value losses

Estimates of the economic Impact of SLR on Paros and Naxos Islands (Cyclades Archipelago Greece), Kloudatos et al.