



Συνσεισμική ανύψωση της παράκτιας ζώνης της Σάμου μετά το σεισμό της 30^{ης} Οκτωβρίου 2020

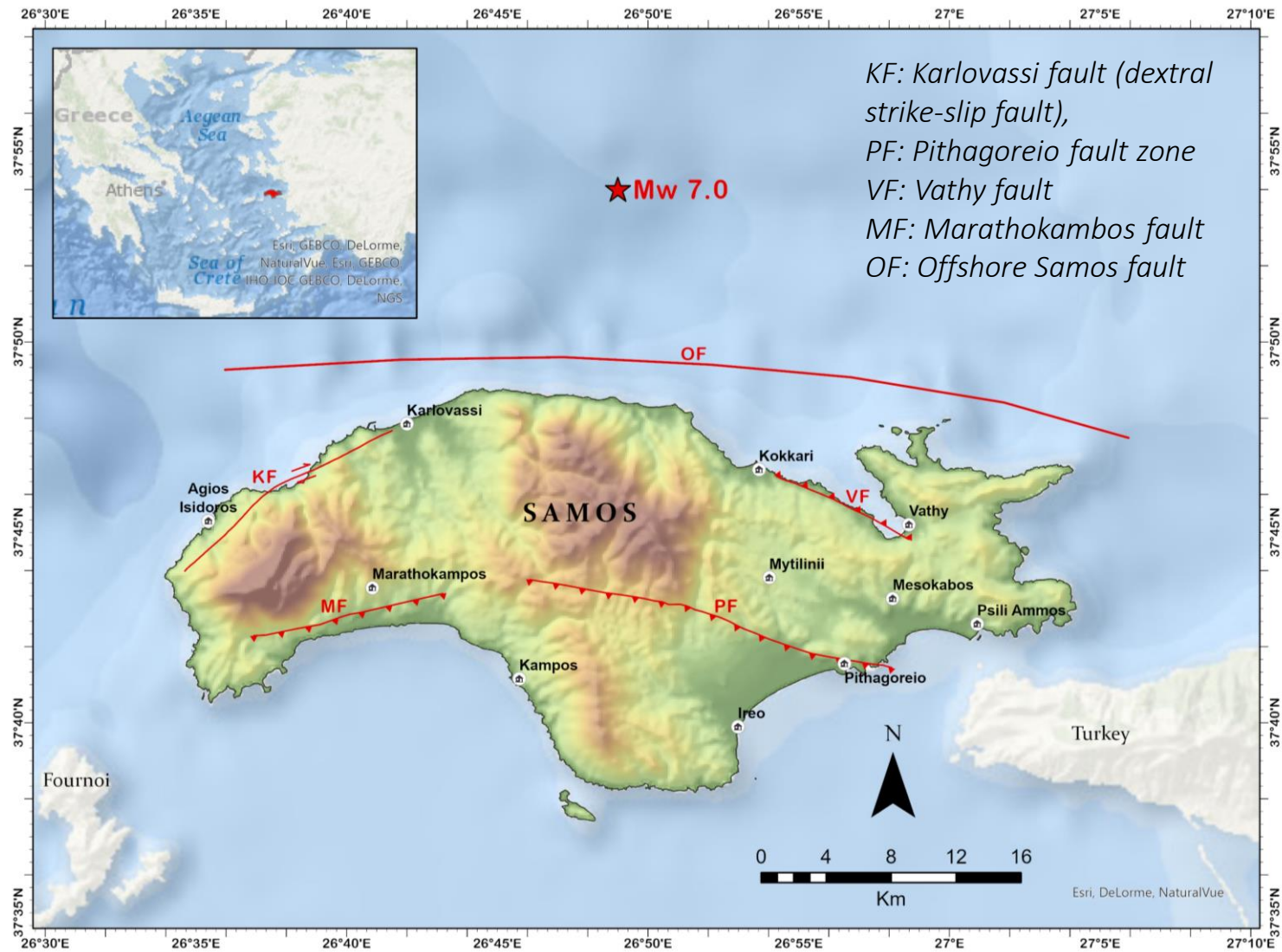
Δρ. Δρ. MSc Νίκη Ευελπίδου

Δρ. Άννα Καρκάνη

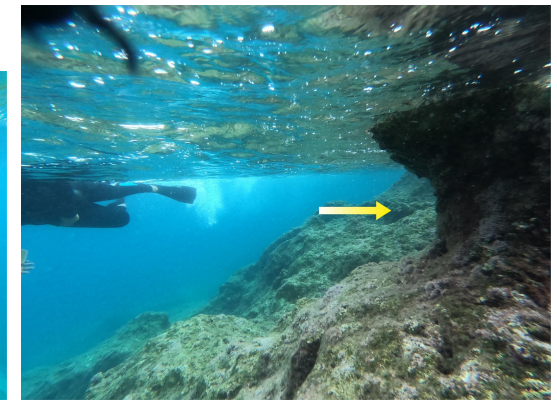
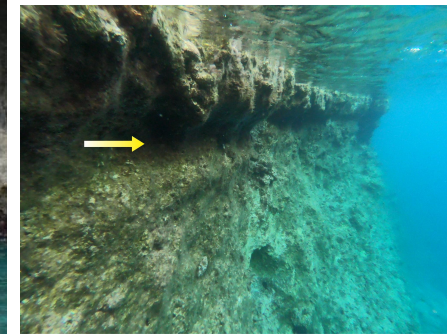
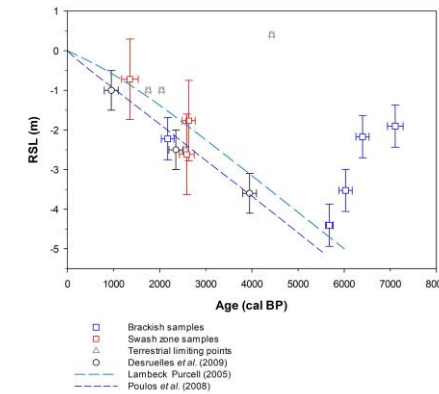
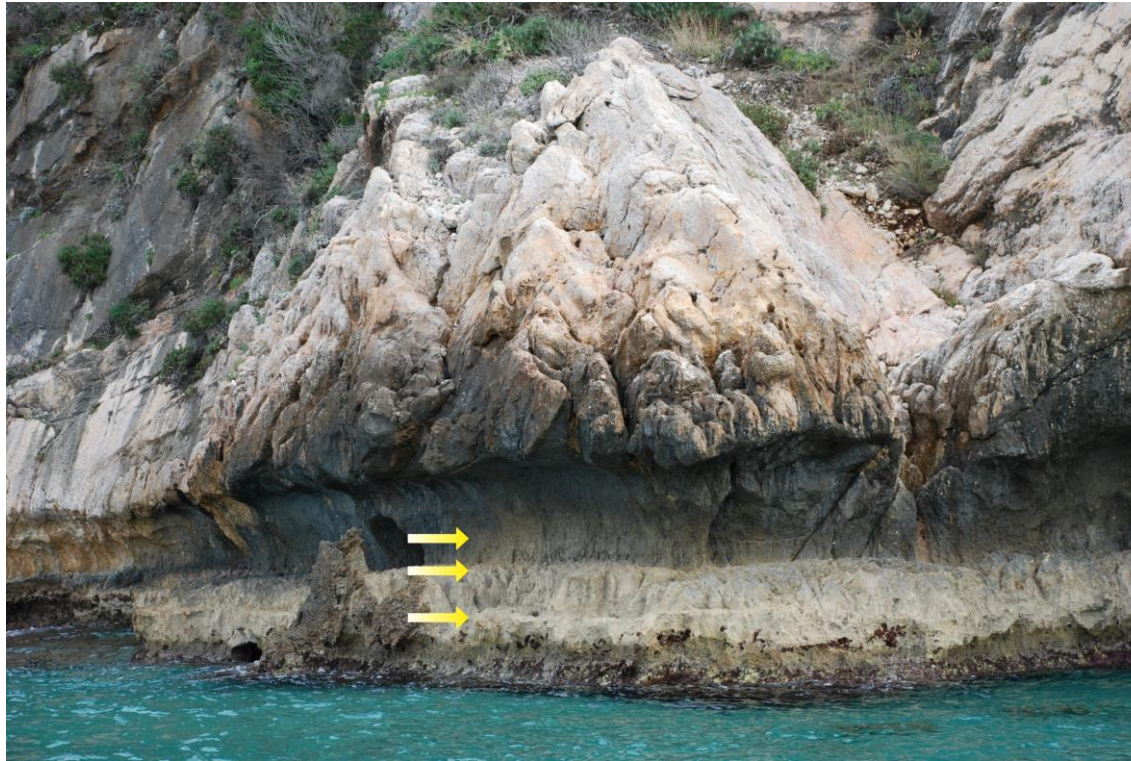
Ισίδωρος Καμπόλης PhD cand.

Περιοχή μελέτης

- Σεισμός Σάμου
30/10/2020
- $M_w = 7.0$

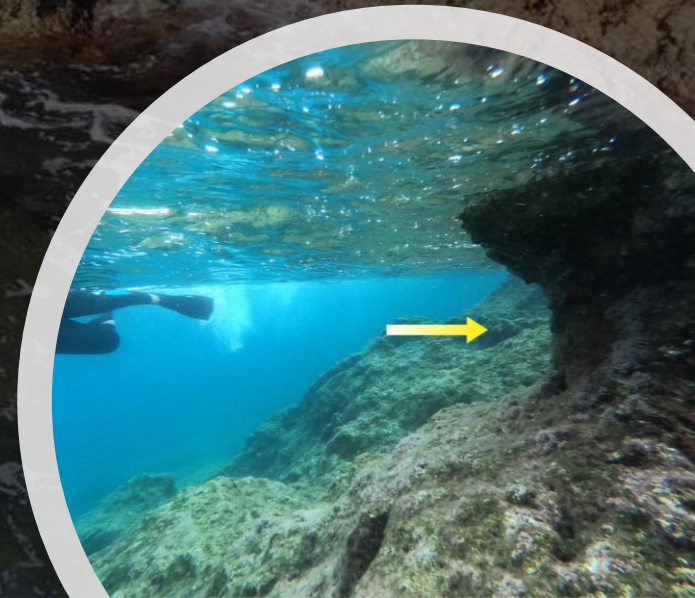
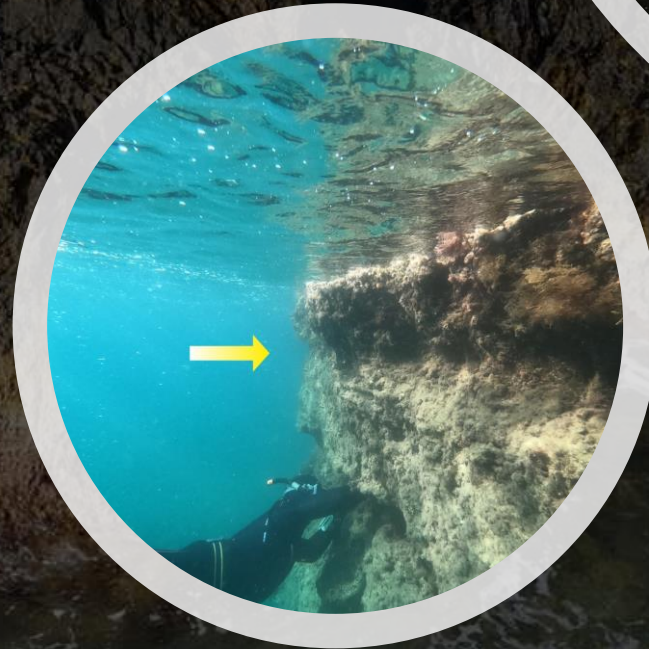


Ιστορικό σχετικών μεταβολών θαλάσσιας στάθμης



Μεθοδολογία

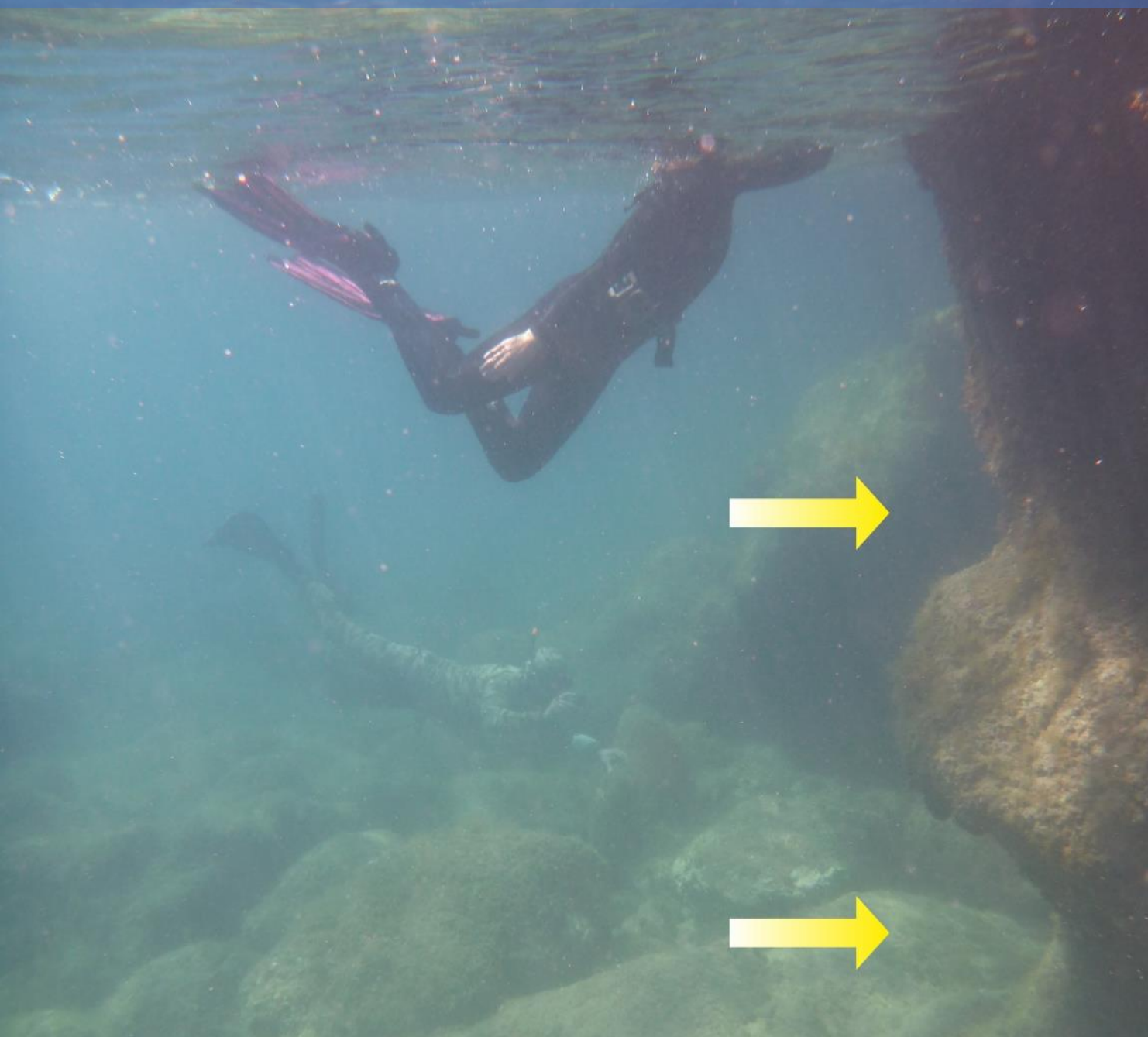
- Παλιρροιακές εγκοπές, παράκτιοι πάγκοι, βιολογικοί δείκτες
- Μετρήσεις υπαίθρου το 2015
- Μετρήσεις υπαίθρου το 2020
- Δημοσιευμένες μετρήσεις από τους Stiros *et al.* 2000



Αποτελέσματα

Site	Name	Long. E	Lat. N	Field Trip Date (Month/Year)	Sea Level Indicator	Measured Vertex Depth/Bench from SL (cm)	Measured Vertex Depth/Bench from SL in 2020 (cm)	Height (cm)	Vertex Inward Depth (cm)	2020 Movement	Source
SA1	Sykia 1	26°50.666'	37°38.233'	04/2015	Tidal notch	−5	+18	7	7	+23 uplift	This paper
				04/2015	Tidal notch	−80		61	20	uplift	This paper
				04/2015	Tidal Notch	−250		117	53	uplift	This paper
SA9	Klima	27°02.125'	37°42.281'	04/2015	Tidal notch	−20	−21	30	24	0 uplift	This paper
				04/2015	Tidal notch	−115	−120	34	18	0 uplift	This paper
SA10	Posidonio	27°04.192'	37°43.046'	04/2015	Tidal notch	−30	−17	34	16	+13 uplift	This paper
SA15	Mourtia	27°03.212'	37°46.152'	04/2015	Tidal notch	−40	−32	24	18	+8 uplift	This paper
SA16	Kokkari	26°53.606'	37°46.790'	11/2020	exposed midlittoral zone	-	+22	-	-	+22 uplift	This paper
SA18	White (St. Nicholas) chapel at Potami beach	26°40.196'	37°47.600'	11/2020	Vermetids reef Beachrock slab	+50	Notch +20	-	-	+20 uplift	[15]
SA19	White (St. Nicholas) chapel at Potami Beach	26°40.005'	37°47.521'	11/2020	exposed midlittoral zone	-	+20	-	-	+20 uplift	This paper
SA21	Punta Promontory	26°39.589'	37°47.361'	11/2020	Bench	+60	+82	-	-	+22 uplift	[15]
					bench	+110	+132	-	-	+22 uplift	
					Tidal notch		+232	-	-	uplift	
SA24	Megalo Seitani	26°37.992'	37°46.214'	11/2020	exposed midlittoral zone	-	+22	-	-	+22 uplift	This paper
SA25	Agios Isidoros	26°35.594'	37°45.501'	11/2020	Dendropoma bench	+60	+88	-	-	uplift	[15]
				11/2020	Tidal notch	+50–70	-			uplift	
				11/2020	Tidal notch	+110–130	+111	61	33	uplift	
SA26	Agios Isidoros	26°35.484'	37°45.113'	11/2020	Notch	-	+70	-	-	+35 uplift	This paper
SA27	Pithagoreio	26°56.639'	37°41.248'	11/2020	Exposed Midlittoral zone	-	+15	-	-	+15 uplift	This paper
SA28	Psili Ammos	27°0.673'	37°42.205'	11/2020	Exposed midlittoral zone	-	+13	-	-	+13 uplift	This paper

Συκιά (SA1)



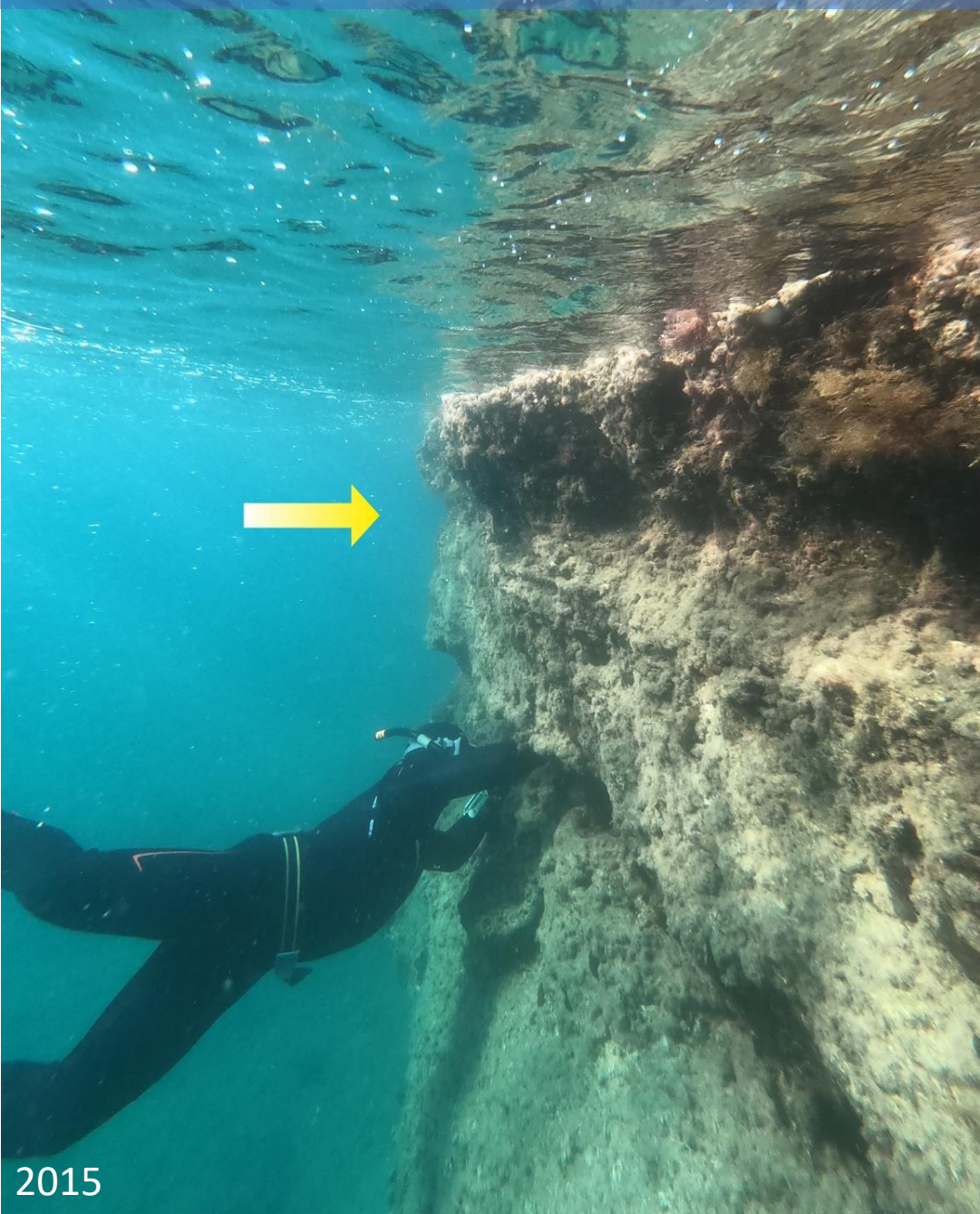
Πυθαγόρειο (SA27)



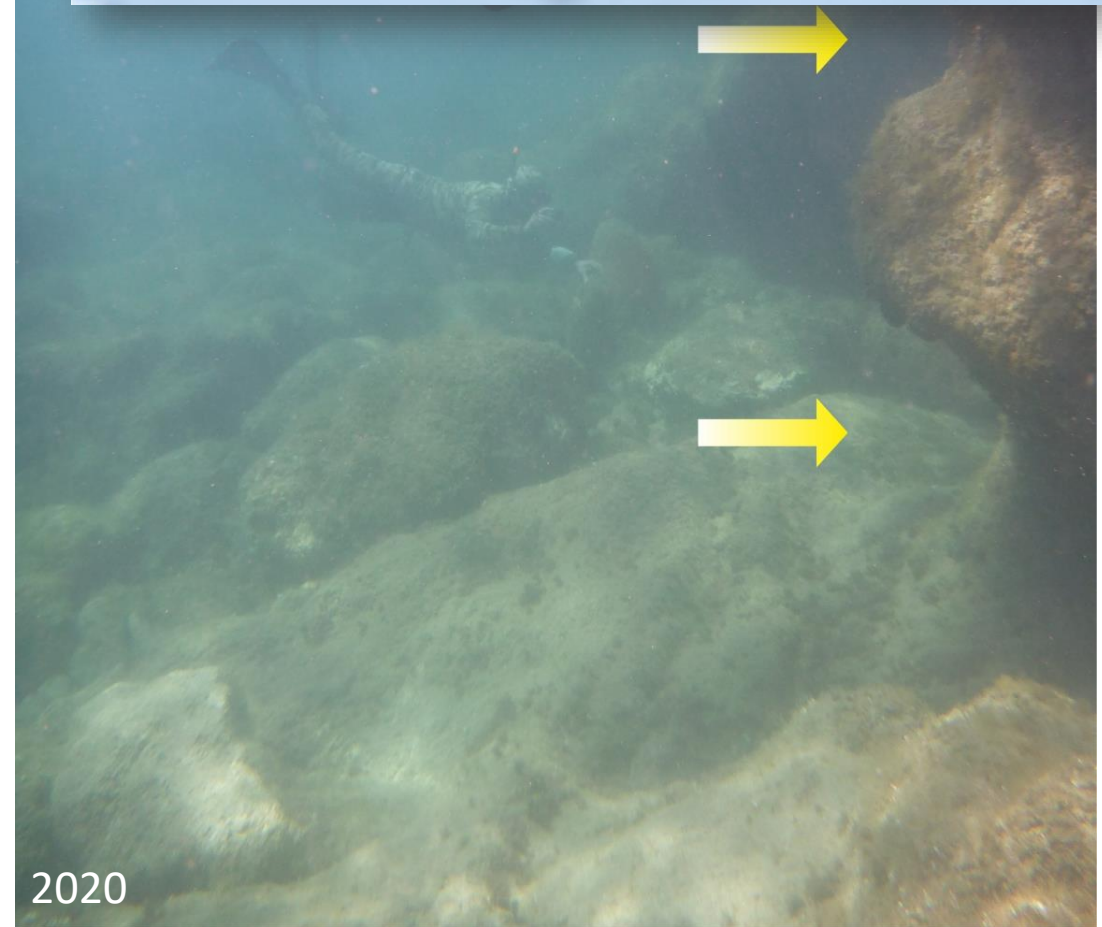
Ψιλή Άμμος (SA28)



Κλήμα (SA9)

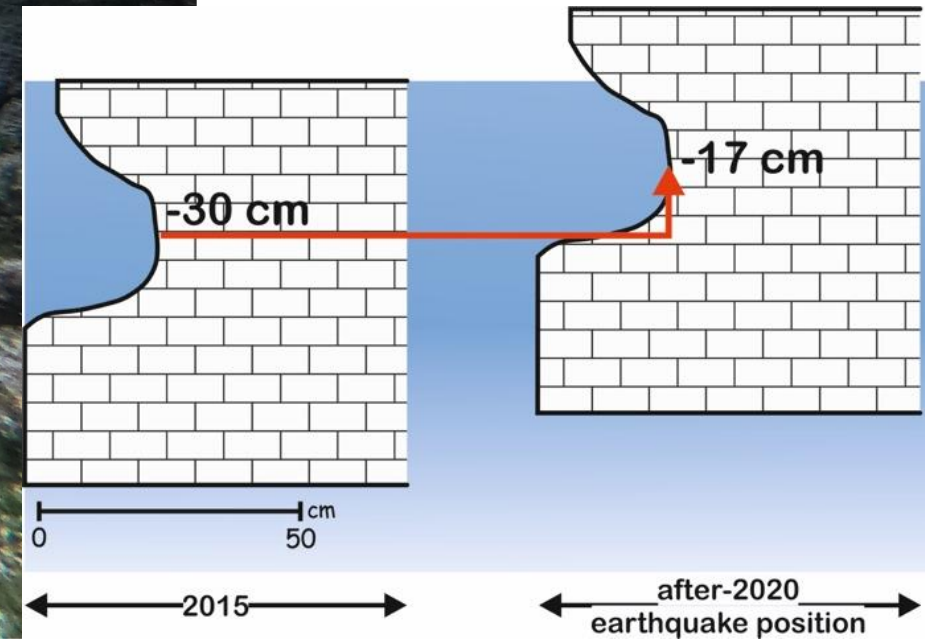
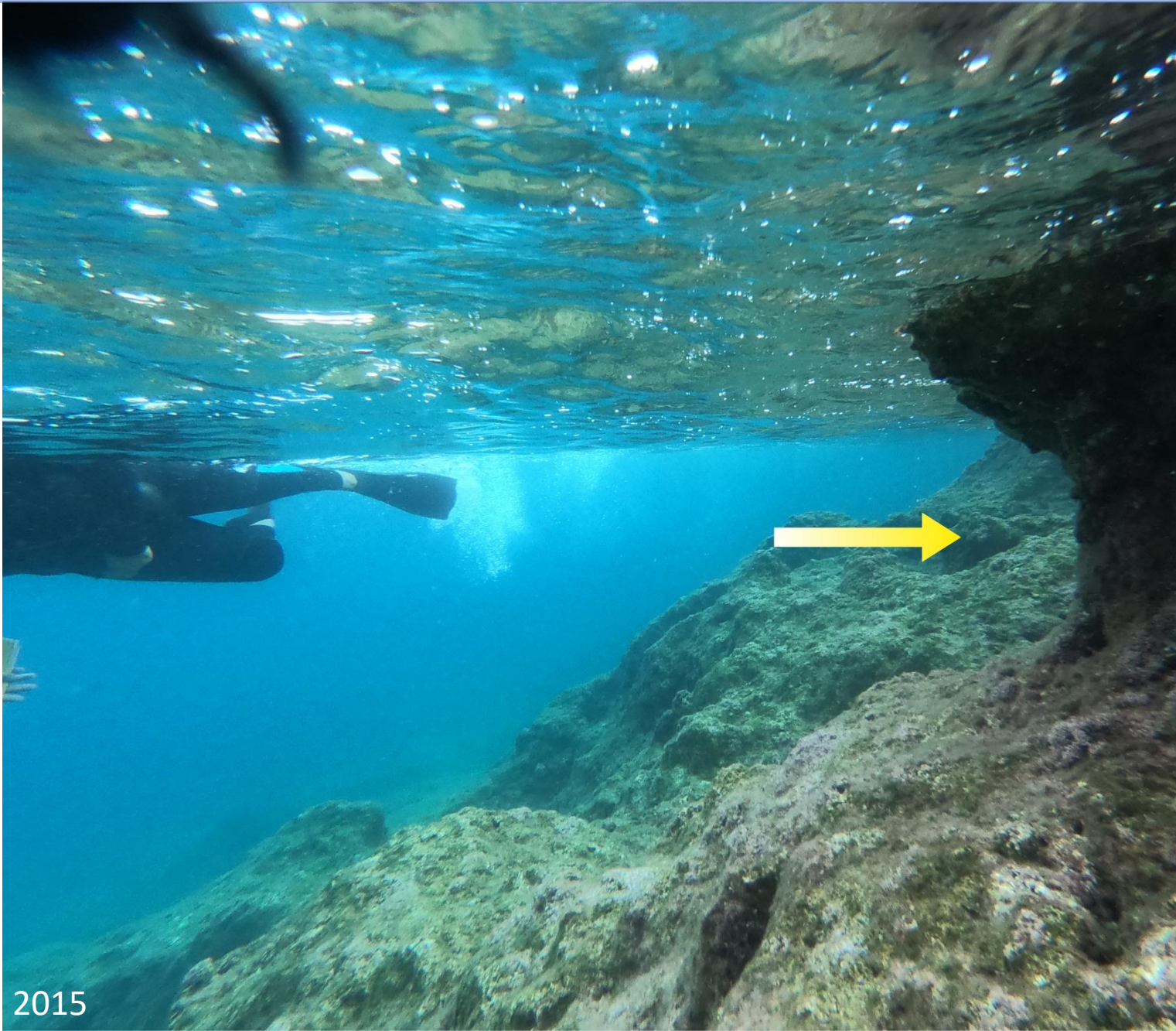


2015



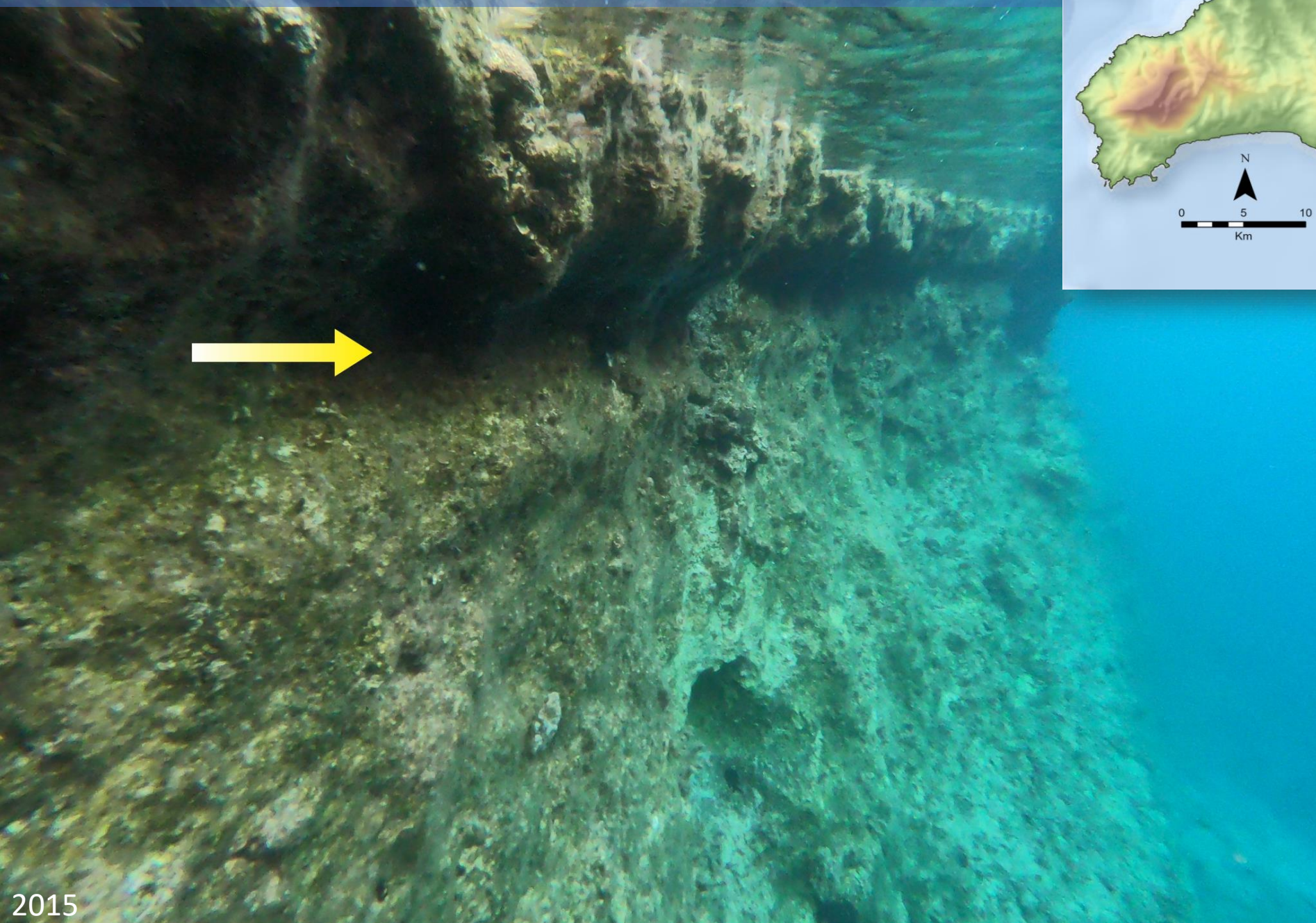
2020

Ποσειδώνιο (SA10)



2015

Μουρτιά (SA15)

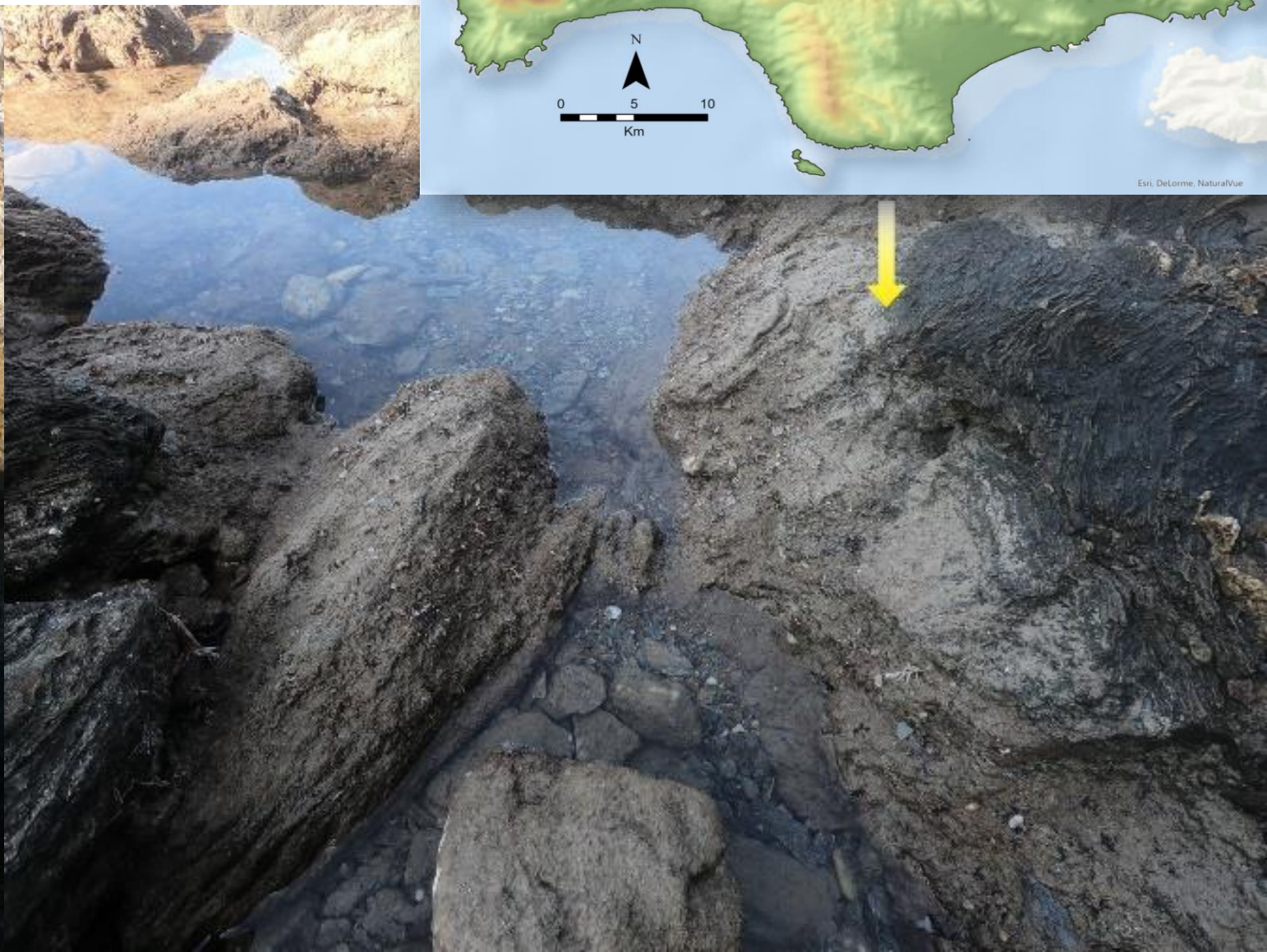


Κοκκάρι (SA16)

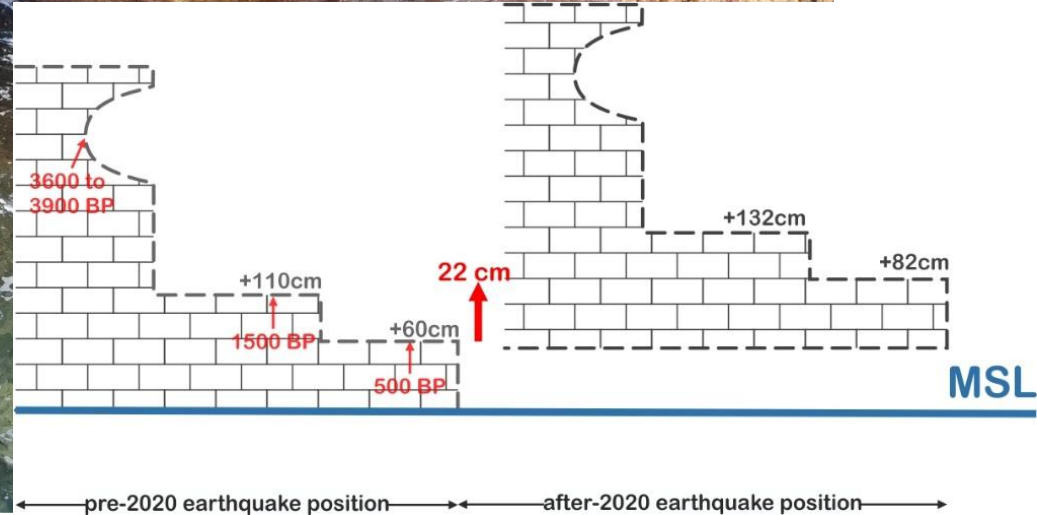


2020

Παραλία Ποτάμι (SA18)



Πούντα (SA21)



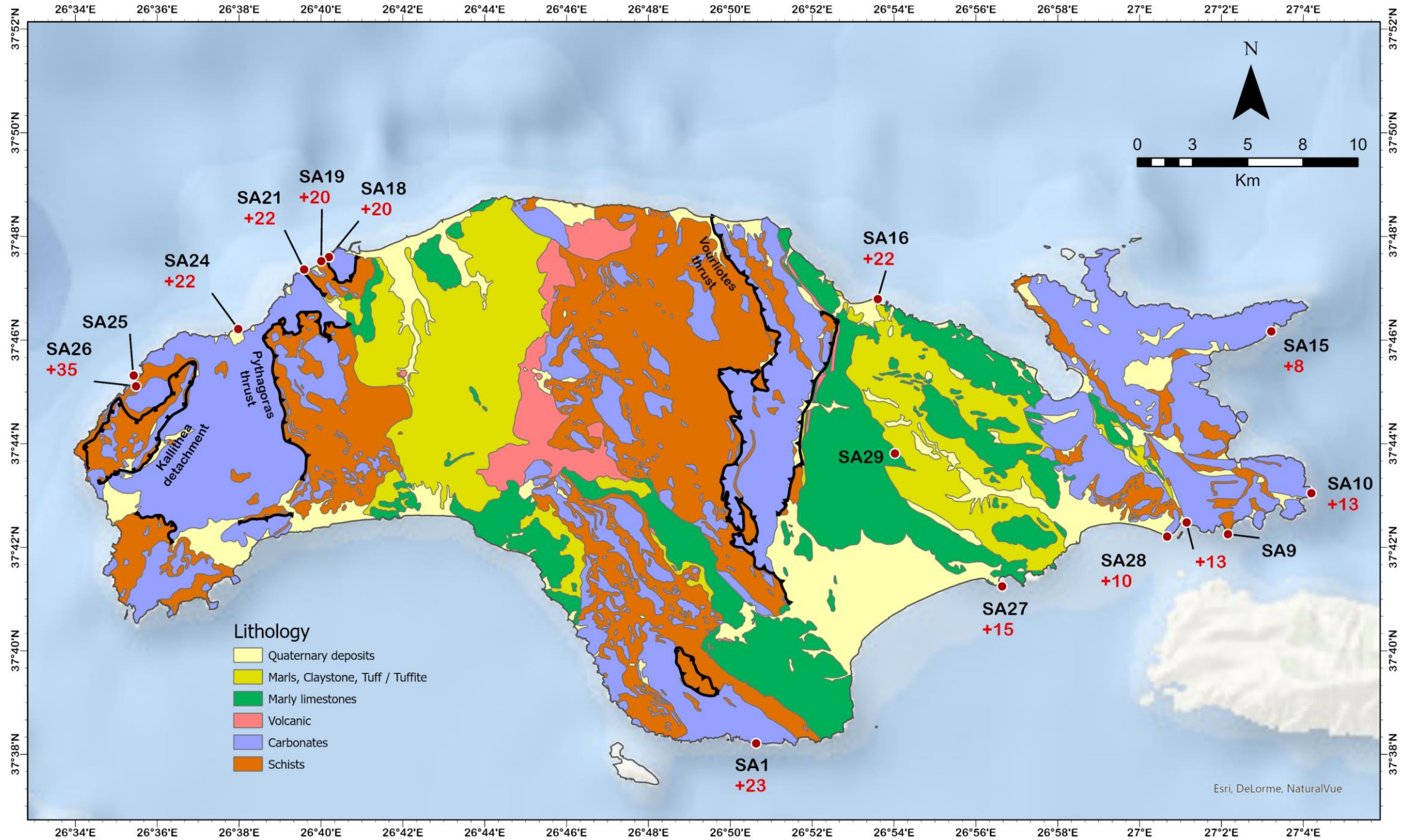
Μεγάλο Σεϊτάνι (SA24)



Esri, DeLorme, NaturalVue

Άγιος Ισίδωρος (SA25, SA26)





30/10/2020 Earthquake, Samos Island, East Aegean

Tzouxanioti, M., Komi, A., Giannikopoulou, A., Evelpidou, N., Karkani, A., Kampolis, I., Spyrou, E., Nenova, I., Saitis, G., Lykouropoulos, M.



Ευχαριστώ για την προσοχή σας!

