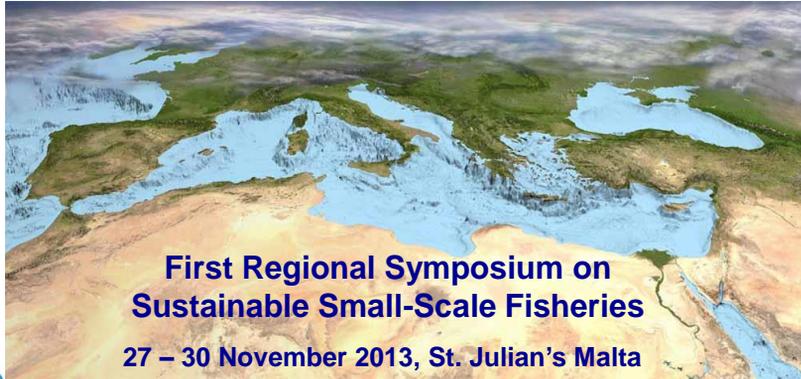




# General Fisheries Commission for the Mediterranean

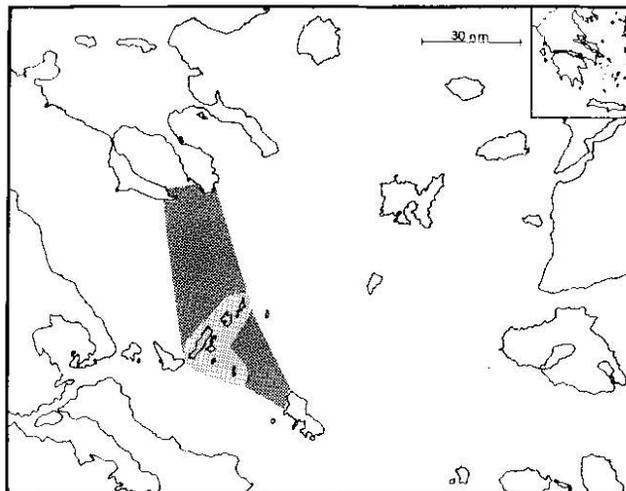


## The North Sporades Marine Park and historical co-management with its artisanal fishing community

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Location of the fishing shoals of Sporades local fishers. Dense dotting shows pelagic shoals for tunidae. Sparse dotting shows demersal shoals





## Objectives

This research attempted to check if the different reported degrees of the fishing shoals protection were reflected in a significant difference in the catch for the important species within the traditional small-scale fisheries of the North Sporades Marine Park.



The work analysed all the available data from 8 years of landings by the local fleet, since January 1985 to December 1992.



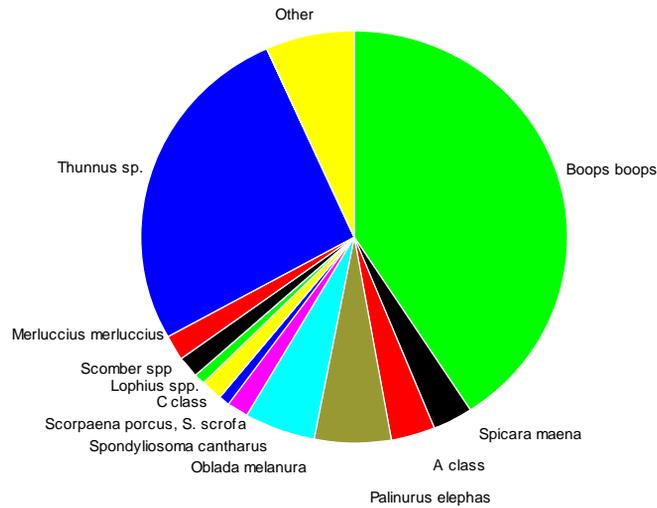
## Greek fishing fleet in the Mediterranean within the study period

Category	1986	1987	1988	1989	1990	1991
Mediterranean trawlers	3	0	1	11	14	7
Trawlers	399	402	386	403	410	384
Purse-seiners	388	395	423	403	404	398
Small-scale vessels	13888	14463	15017	16367	?	17341
Sponge-fishing vessels	60	25	45	48	34	15





Importance of the different commercial species for the artisanal fisheries of Sporades, evaluated from data between 1985 and 1992



Contribution of the main collected species to the income of Alonissos fishermen for every 1 Tm of global catch (1990 GDR prices)

Species	Weight (Kg)	Amount (GDR)
<i>Boops boops</i>	409	85276
<b>Tuna</b>	264	94380
<i>Palinurus elephas</i>	58	136242
<i>Oblada melanura</i>	54	55782
<b>A class</b>	34	39508
<i>Spicara maena</i>	29	6220
<i>Merluccius merluccius</i>	21	18417
<i>Spondyliosoma cantharus</i>	15	17378
<b>C class</b>	15	4418
<i>Scomber sp.</i>	14	5625
<i>Scorpaena sp.</i>	11	8184
<i>Lophius sp.</i>	10	3705
<b>Other</b>	66	?





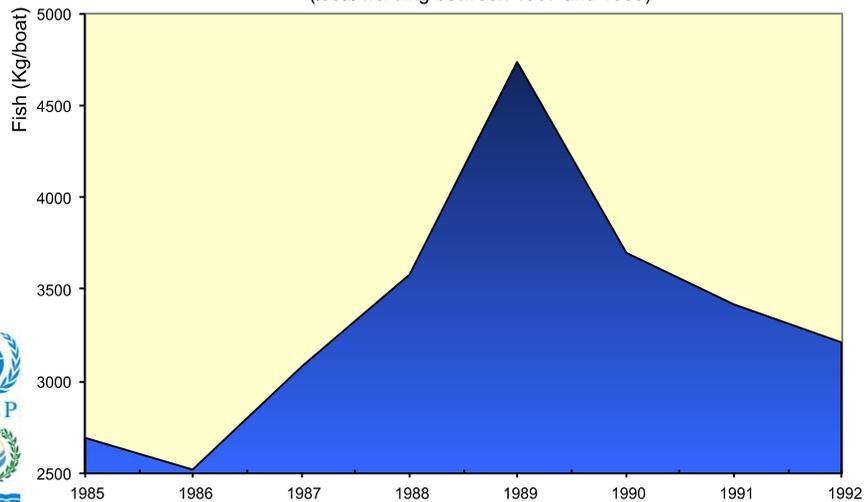
## Total catch per vessel in Sporades Marine Park

	1985	1986	1987	1988	1989	1990	1991	1992
With tuna	3973.91	3339.97	3796.57	4488.12	5619.88	4689.82	3918.05	4606.83
Without tuna	2689.11	2524.22	3084.36	3576.91	4734.31	3694.24	3419.53	3213.43

Significant increasing trend up to 1989 and decreasing trend afterwards was found for most commercially important groups before and after the local warding was implemented, and included: *Boops boops*, *Mullidae*, *Sparidae*, *Maenidae* and *Serranidae*

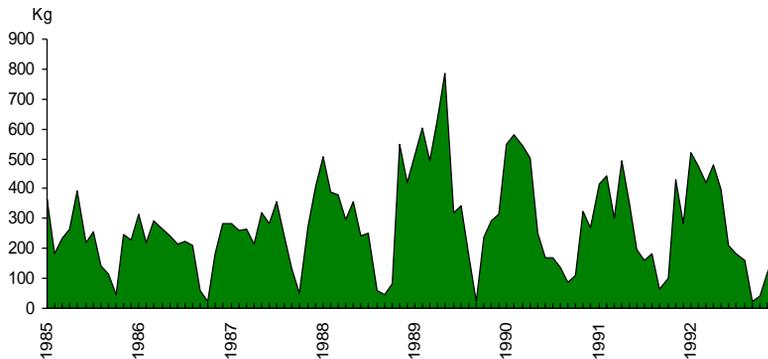


Fig 4: Fish catch by Sporades vessels in the Marine Park (local warding between 1987 and 1989)





## Monthly catch per vessel in Sporades marine Park



A minimum catch happened in 1986, date in which the regulations limiting industrial fishing were decreed. From then on, during the warding implementation by local wardens (1987-1989), catches increased. When the local warding of the Park stopped, catches diminished without appreciable positive progress with NGO warding



### Anthropological approach to hunter / gatherer communities for small-scale fishing

addresses

Local involvement and full implication on non-straddling resources governance through pride

Community based data collection building cooperative management

addresses

disperse and/or remote landing sites

Spatial exclusive rights building ownership

addresses

“Tragedy of the Commons” AND WORKS





Thank you for your  
attention



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