

First Regional Symposium on Sustainable Small-Scale Fisheries
in the Mediterranean and Black Sea

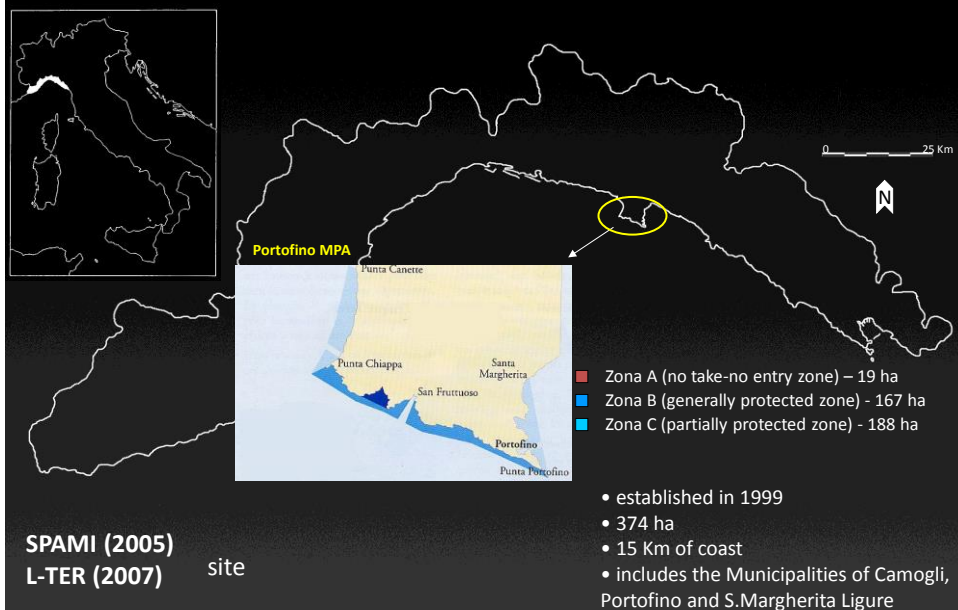
27-30 November 2013, St. Julian's, Malta

portofino

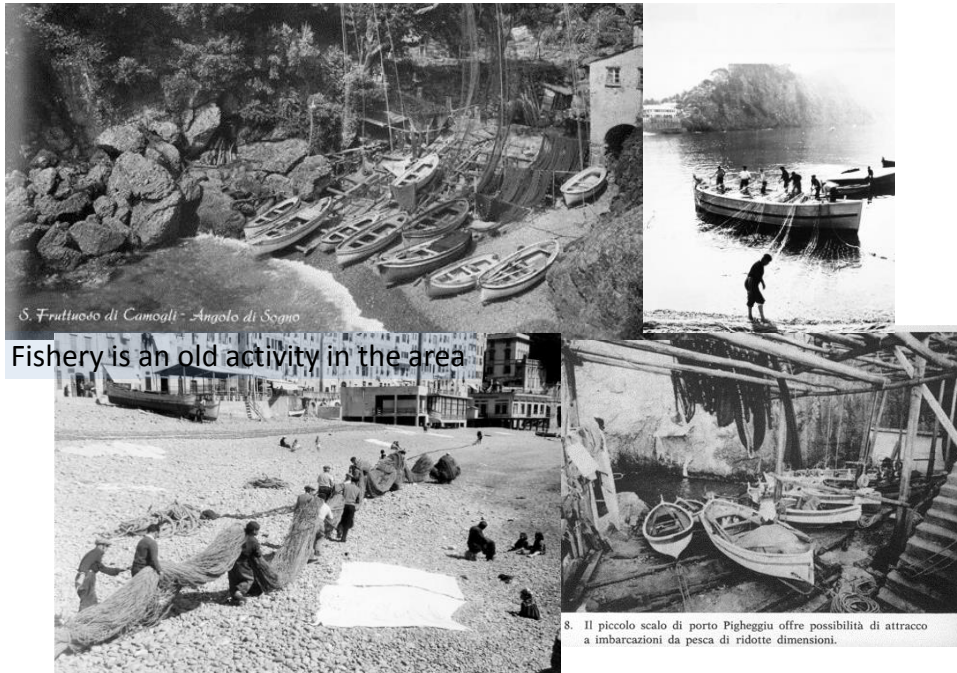
*The Tonnarella of Camogli,
an example of sustainable fishery in Portofino MPA*

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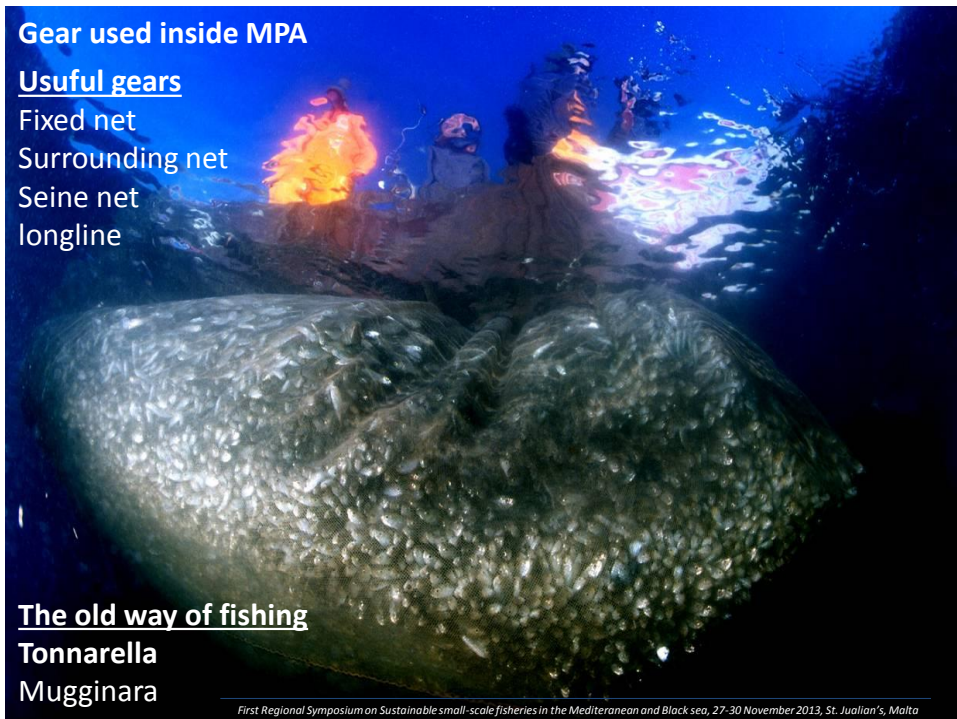
Site description: Portofino Marine Protected Area (MPA)

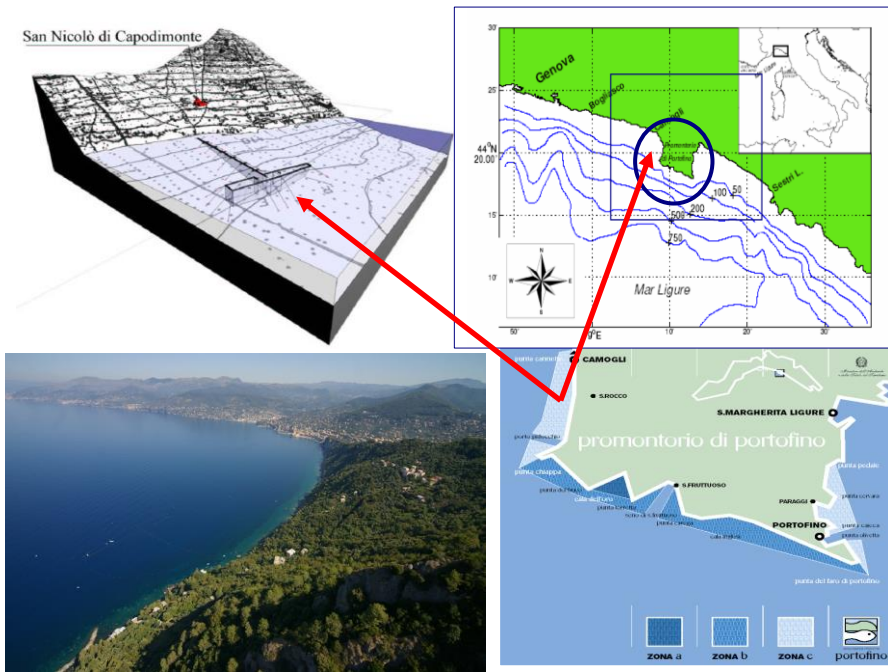


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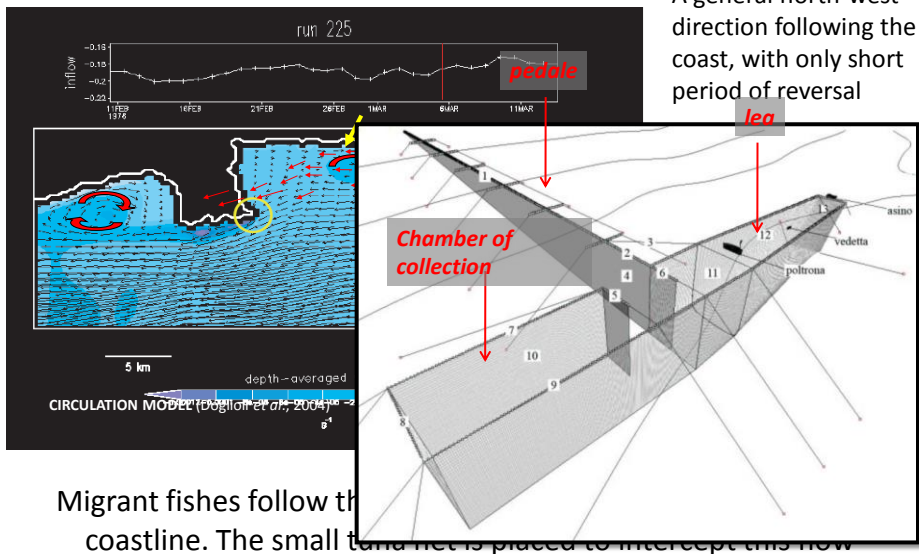


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Sea current circulation around the Portofino Promontory



Migrant fishes follow the coastline. The small turbine is placed to intercept this flow

The production of coconut fibre in S. Fruttuoso (Camogli), today



In February, four fishermen are involved into the manufacturing of the net in a zone near S. Fruttuoso Abbey for 15 day

Activity period:
from April to September

employers:
6 on land
12 on boat and land

In the past, fishing activity was more than 3 times a day

All fishermen of Camogli
P.to Pidocchio and S. Fruttuoso
worked with this trap



Now it is different: a great part of crew is made up of Romanian guys

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Average catches (t) from 1950 to 2012

		1950-54 Balestra et al., 1976	1955-59 Balestra et al., 1976	1960-64 Balestra et al., 1976	1965-69 Balestra et al., 1976	1970-74 Balestra et al., 1976	1996-00 Relini 2001	2000-05 this study	2006-12 this study
<i>Auxis rochei</i>	avg (t)	21.39	11.15	7.03	4.69	4.12	9.50	8.13	5.78
<i>Belone belone</i>	avg (t)							0.47	0.87
<i>Boops boops</i>	avg (t)	4.02	2.96	1.08	1.40	2.92	4.00	3.42	1.54
<i>Coryphaena hippurus</i>	avg (t)							0.12	0.10
<i>Euthynnus alletteratus</i>	avg (t)							0.72	1.12
<i>Oblada melanura</i>	avg (t)	0.02	0.35	0.46	1.41	1.40		0.59	0.41
<i>Sarda sarda</i>	avg (t)	2.56	9.14	2.59	3.93	2.91	2.90	4.37	5.49
<i>Sardinella sp.</i>	avg (t)							0.23	0.40
<i>Sarpa salpa</i>	avg (t)	0.71	1.37	3.06	8.66	14.16	1.50	0.99	0.29
<i>Scomber colias</i>	avg (t)	2.49	2.21	3.22	0.41	2.56	2.40	4.50	7.11
<i>Scomber scombrus</i>	avg (t)	0.38	0.81	1.44	0.16	0.47	0.20	0.04	0.00
<i>Scomberesox saurus</i>	avg (t)	1.33	3.27	2.55	3.35	1.51	6.00	0.13	0.04
<i>Seriola dumerili</i>	avg (t)						9.00	9.72	4.84
<i>Sphyraena viridensis</i>	avg (t)							0.13	0.31
<i>Trachurus spp.</i>	avg (t)	3.47	2.12	5.53	1.66	7.05	12.00	17.24	6.88
Others	avg (t)	3.92	1.89	2.19	2.81	3.38	4.50	2.70	2.00
Total catches	avg (t)	40.43	34.49	29.71	32.02	41.46	52.00	53.28	37.18
	std	6.92	6.09	8.04	5.67	11.85	13.04	11.79	14.78

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The fisherman situation:

High middle age

Hard job

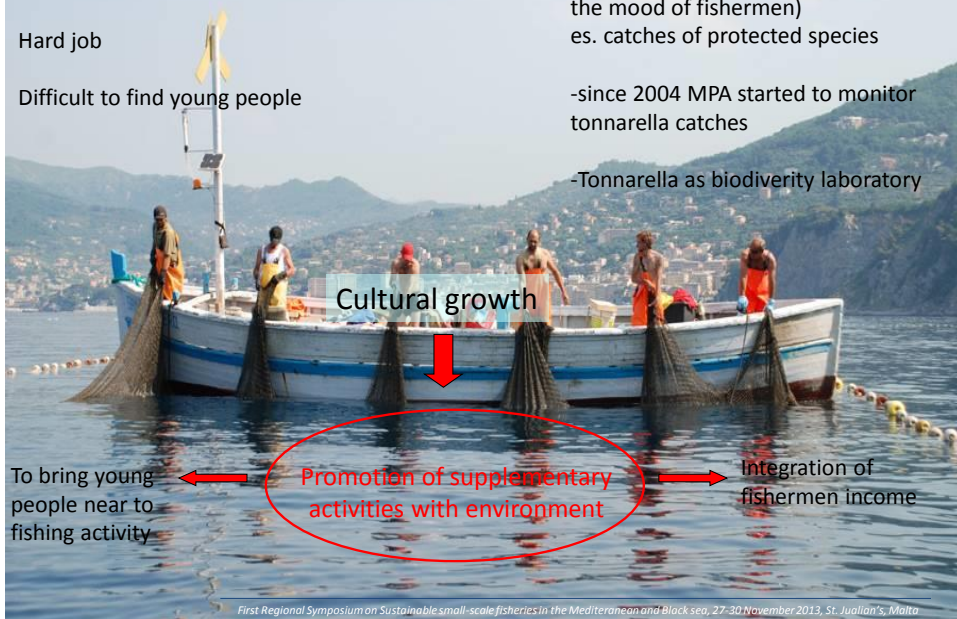
Difficult to find young people

The MPA job:

-trust of fishermen - mpa (changing of the mood of fishermen)
es. catches of protected species

-since 2004 MPA started to monitor tonnarella catches

-Tonnarella as biodiversity laboratory



29th May 2010: *Associazione Culturale Ziguele*



Guided tours to the Tonnarella of Camogli
the fishing museum of Punta Chiappa
In cooperation with Cooperativa Pescatori Camogli

Aim of the cultural association:

the promotion and valorisation of the maritime culture and small scale fisheries tradition in the Mediterranean Sea, with particular regards to the sustainable fisheries

Tourists of season 2010: **350**

Museum visits:

1200 (tot 1850)

Tourists of season 2011: **580**

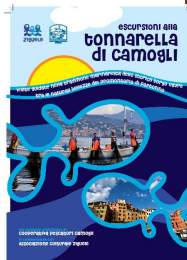
Museum visits :

1600 (tot 2180)

Tourists of season 2012: **650**

Museum visits :

1650 (tot 2300)



Since 2011**Slow Food Presidium**

from the website www.presidislowfood.it:

The Camogli tonnarella is the only one remaining in Liguria and one of the few still active in all of Italy. The fishing system is highly sustainable because only medium and large fish remained trapped in the chambers. The mechanism does not immediately kill the fish, just concentrates them, so that the fishermen can check the catch and release any fish that cannot be sold while they are still alive.

The Presidio originates to promote and support fishermen activity because of the lack of interested people in this hard activity



The Cooperative promotes guided tours to the Tonnarella in collaboration with a local no profit association

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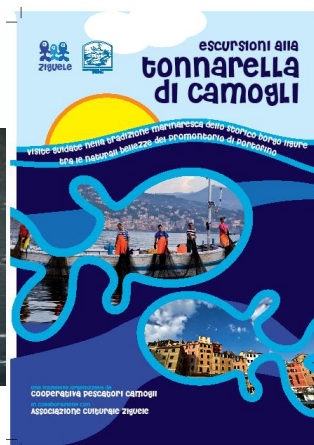
Since 2011

- guided tours for schools in cooperation with local ferry boats
- tasting of salting anchovies (IGP)
- educational workshop at the Fishery Museum of Punta Chiappa



many future prospects
(ex. mackerel in oil)

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Thanks to:
Simone Gambazza

Pictures of:

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