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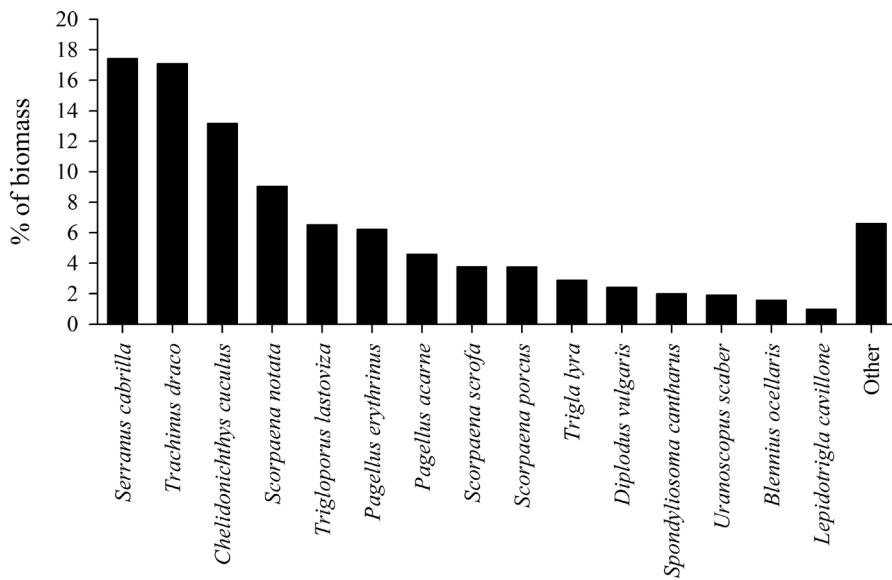
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## Supplementary Data

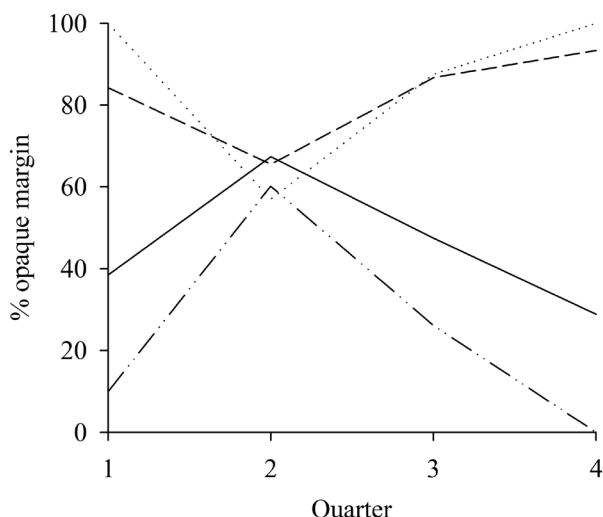
### Biology and population dynamics of by-catch fish species of the bottom trawl fishery in the western Mediterranean

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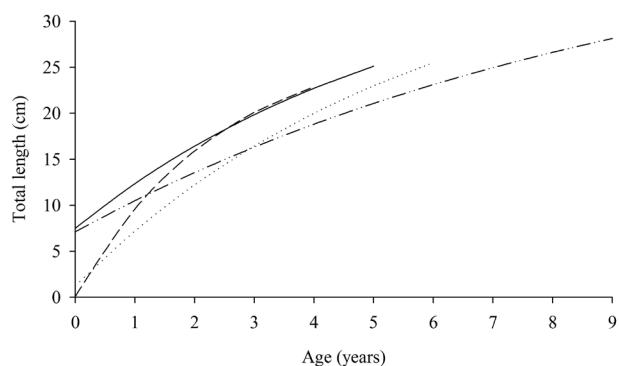
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**Fig. S1:** Species composition (in % of landed biomass) of the mixed fish category (MFC). “Other” are species representing less than 1%: *Trisopterus minutus*, *Zeus faber*, *Diplodus annularis*, *Trachinus radiatus*, *Helicolenus dactylopterus*, *Lepidotrigla dieuzeidei*, *Anthias anthias*, *Microchirus variegatus*, *Citharus linguatula*, *Microchirus ocellatus*, *Peristedion cataphractum*, *Callanthias ruber*, *Scorpaena spp.*, *Scorpaena elongata*, *Sparidae*, *Cepola macrophthalma*, *Phycis blennoides*, *Microchirus spp.*, *Serranus hepatus*, *Lophius piscatorius*, *Phycis phycis*, *Scorpaena loppei*, *Thalassoma pavo*, *Diplodus spp.*, *Gaidropsarus biscayensis*, *Coris julis*, *Illex coindetii*, *Solea spp.*, *Serranus scriba*, *Ophidion barbatum*, *Arnoglossus thori*, *Pagellus spp.*, *Bothus podas*, *Lophius budegassa*, *Lepidorhombus boscii*, *Scomber scombrus*, *Spicara smaris*, *Arnoglossus rueppelii*, *Synchiropus phaeton*, *Centracanthus cirrus*, *Pagellus bogaraveo*, *Merluccius merluccius*, *Arnoglossus imperialis*, *Engraulis encrasicolus*, *Liocarcinus depurator*.



**Fig. S2:** Quarterly evolution of the % of presence of opaque rings in the margin of the otoliths of the studied species. *Chelidonichthys cuculus*: continuous lines; *Trigloporus lastoviza*: dashed lines; *Serranus cabrilla*: dotted lines; *Trachinus draco*: dash-dotted lines.



**Fig. S3:** Fitting of von Bertalanffy growth function to age-length data of the studied species. *Chelidonichthys cuculus*: continuous lines; *Trigloporus lastoviza*: dashed lines; *Serranus cabrilla*: dotted lines; *Trachinus draco*: dash-dotted lines.

**Table S1.** Summary of the main biological parameters for each species. MED: Mediterranean, AT: Atlantic; TL range: total length range of the individuals studied; Age range: age range of the individuals studied; M: males, F: females, and T: both sexes.

Species	Study Area	TL range (cm)	Age range (years)		$L_{\infty}$		$k$		$L_{50}$		Reference	
			T	F	M	T	F	M	T	F	M	
<i>C. cuculus</i>	Aegean Sea (MED)		1-7		28	20		0.22	0.51			Papaconstantinou, 1983
	Mediterranean								19			Bauchot, 1987
	Gulf of Lion (MED)	10-30	1-5		35		0.28					Campillo, 1992
	Adriatic Sea (MED)	10-36	1-5		29	29	0.40	0.41				Marsan <i>et al.</i> , 1998
	Tyrrhenian Sea (MED)	7-27	1-3		24	23	0.74	0.59				Colloca <i>et al.</i> , 2003
	Adriatic Sea (MED)	10-26										Vallinseri <i>et al.</i> , 2012
	Douarnenez Bay (AT)	14-45	1-21		42	37	0.46	0.52				Baron, 1985a; 1985b
	English Channel (AT)	9-43	1-4		36	41	0.24	0.23				Dorel, 1986; ICES, 2006
	Irish Sea (AT)	10-43	1-7		42	41	0.21	0.24				Marriott <i>et al.</i> , 2010
	Gulf of Lion (MED)									19< $L_{50}$ <21		Kartas, 1971
<i>T. lastoviza</i>	Greek waters (MED)									14		Papaconstantinou, 1986
	Egypt (MED)										14	Abdallah & Faltas, 1998
	Gulf of Gabès (MED)										14	Boudaya, 2000
	Gulf of Tunis (MED)	11-26									15	Ben Jrad <i>et al.</i> , 2010
	Gulf of Gabès (MED)										15	Boudaya <i>et al.</i> , 2010
	Douarnenez Bay (AT)										15	Baron, 1985
	Tunis (MED)										15	Bouain, 1981
	Mediterranean										15 (SL)	Bauchot, 1987
	Aegean Sea (MED)										15 (SL)	Papaconstantinou <i>et al.</i> , 1994
	Greek waters (MED)										15 (SL)	Politou & Papaconstantinou, 1995
<i>S. cabrilla</i>	Cretan Shelf (MED)	6-20	1-8		24		0.30					Tserpes & Tsimenides, 2001
	Edremit Bay (MED)	9-22	1-4		34		0.39					Torku-Koc <i>et al.</i> , 2004
	Aegean Sea (MED)	7-23	1-6		24		0.11					iñhan <i>et al.</i> , 2010
	Canary Islands (AT)											García-Díaz <i>et al.</i> , 1997
	Aegean Sea (MED)	15-37										Kimacgil <i>et al.</i> , 2008
	Black Sea (MED)	9-26	1-6		29	33	0.28	0.18				Ak & Genç, 2013
	Kattegat (AT)	9-40	1-14		38	35	0.15	0.16				Baggs, 2004

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