

## Errata for PhD thesis:

### “Bycatch and discards of commercial trawl fisheries in the south coast of Portugal”

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Page xxxi, paragraph 1, line 9 - where it is written: “...Portugal has complied fully...” it should be: “...Portugal has not complied fully...”.

Page 8, line 3 - where it is written: “...depending on variability variety of factors...” it should be: “...depending on a variety of factors...”.

Page 25, line 7 - where it is written: “...and quantify the catch rates of...” it should be: “...and quantify the catches of...”.

Page 26, paragraph 2, line 2 - where it is written: “...and one paper submitted to...” it should be: “...and one paper in preparation...”.

Page 29, abstract, line 12 - where it is written: “Bony fishes (45.6%...)...” it should be: Bony fishes (46.1%...)...”.

Page 30, paragraph 4, line 2 - where it is written: “The most important fraction...” it should be: “The second most important fraction...”.

Page 37, figure 2.2 - The crustacean trawl target catch of 40.5% and the fish trawl target catch of 19.6% should be replaced by 40.6% and 19.7% respectively.

Page 40, paragraph 1, line 4 - where it is written: “...with approximately 50%...and 60 to 68%...” it should be: “...with more than 50%...and over 66%...”.

Page 41, paragraph 1, line 3 - where it is written: “...from ten different taxonomic groups...” it should be: “...from sixteen different taxonomic groups...”.

Page 43, paragraph 1, line 2 - where it is written: “...as it represents almost 47% and slightly less than 39%...” it should be: “...as it represents 46% and slightly less than 38%...”.

Page 43, figure 2.5 - The 45.6% of Osteichthyes and 8.3% of Cephalopoda should be replaced by 46.1% and 7.8% respectively.

Page 45, table 2.5 - The total number of tows should be replaced by 8 (Winter 1998), 9 (Spring 1999), 10 (Summer 1999), 5 (Autumn 1999), 6 (Winter 1999), 7 (Spring 2000), 9 (Summer 2000), 8 (Autumn 2000) and 10 (Winter 2000).

Page 46, table 2.6 - The total number of tows should be replaced by 17 (Winter 1998), 18 (Summer 1999), 19 (Autumn 1999), 10 (Winter 1999), 12 (Spring 2000) and 15 (Summer 2000).

Page 44, paragraph 2, line 1 - where it is written: “...horse mackerels (*Scomber* spp.)...” it should be: “...horse mackerels (*Trachurus* spp.)...”.

Page 47, paragraph 1, line 6 - where it is written: “...and increase 7.4% in mean catch rate;...” it should be: “...and increase 7.4% in mean catch rate in spring 1999 (andw in spring 2000 mean tow duration increases 14.3% and mean catch rate decreases 54.1%); ...”.

Page 47, paragraph 1, line 7 - where it is written: “...with a 1998 to summer 1999...” it should be: “...with an increase of 267% in mean catch rate (9.5% reduction in fishing effort) from winter 1998 to summer 1999...”.

Page 47, paragraph 2, line 5 - where it is written: “...between 1999 and summer 2000...” it should be: “...between mean catch rate and fishing effort in almost all seasons studied, with exception of winter 1999 and summer 2000...”.

Page 47, paragraph 2, line 12 - where it is written: “For horse mackerel (*Scomber* spp.)...” it should be: “For horse mackerel (*Trachurus* spp.)...”.

Page 50, paragraph 5, line 2 - where it is written: “...horse mackerel species...” it should be: “...mackerel species...”.

Page 51, figure 2.8 - The 26 mm LMLS for *Nephrops norvegicus* should be replaced by 20 mm.

Page 55, paragraph 1, lines 1 and 2 - “horse mackerel” should be replaced by “mackerel”.

Page 59, paragraph 4, line 7 - where it is written: “...*A. antennatus* (13%)...” it should be: “...*N. norvegicus* (20.7%)...”.

Page 63 - where it is written: “Partially submitted to Reviews in Fisheries Science” it should be: “In preparation”.

Page 74, paragraph 1, line 7 - where it is written: “...and 92 tows by fish trawlers...” it should be: “...and 91 tows by fish trawlers...”.

Page 80, paragraph 1, line 7 - the sentence “Of these, 4.3% of the species (8 bony fish and 3 crustacean species) were occasionally discarded, 27.1% (54 fish and 15 invertebrate species) were frequently discarded species and 68.6% (75 fish, 94 invertebrate and 6 algae species) were systematically discarded (Table 3.2). Of all the species, 30.6% had commercial value (11 target and 67 bycatch species), with the remaining majority (69.4%) consisting of non-commercial species.” should be eliminated as it is repeated in the text.

Page 82, paragraph 1, line 3 - where it is written: “...were regularly discarded...” it should be: “...were systematically discarded...”.

Page 84, paragraphs 2 and 3 - where it is written: “...caught...catches...captured...” it should be: “...discarded... discards... discarded...”.

Page 84, paragraph 3, line 3 - where it is written: “...*Scorpaena notata* (67.4%) and *Capros aper* (60.9%)...” it should be: “...*Scorpaena notata* (67.4%), *Macroramphosus scolopax* (62%) and *Capros aper* (60.9%)...”.

Page 85, figure 3.5 - *Scomber japonicus* should be replaced by *Scomber colias*.

Page 93, paragraph 2, line 7 - where it is written: “...*C. conger* (4.90%)...” it should be: “...*C. conger* (6.23%)...”.

Page 96, table 3.7 - *Scomber japonicus* should be replaced by *Scomber colias*.

Page 98, table 3.8 - *Scomber japonicus* should be replaced by *Scomber colias*.

Page 99, table 3.9 - *Scomber japonicus* should be replaced by *Scomber colias*.

Page 101, paragraph 1, line 7 - where it is written: “...and for *A. subulata* (32.4%), *Sepia elegans* (13.7%), *S. orbignyana* (10.5%) and *I. coindetii* (10.2%), in fish trawls...” it should be: “...and for *A. subulata* (29.9%), *Sepia elegans* (14.2%), *S. orbignyana* (10.9%) and *I. coindetii* (10.5%), in fish trawls...”.

Page 119, paragraph 2, line 9 - where it is written: “...and 0.59 (0.31-0.74) for fish trawls.” it should be: “...and 0.59 (0.29-0.74) for fish trawls.”.

Page 128, paragraph 2, line 2 - where it is written: “...and 316 mm TL;” it should be: “...and 316 mm TL for the largest female;”.

Page 219, paragraph 7, line 2 - where it is written: “...related to the increase of the local market prices of some commercial bycatch species otherwise discarded;” it should be: “...related to the decrease of the local market prices of some commercial bycatch species otherwise retained;”.

Annex II – was remade because some figures have been mistakenly omitted.