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ORMEF: Occurrence Records of Mediterranean Exotic Fishes database

DATE 2022-04-15

TEMPORAL EXTENT 1896 - 2020

AUTHORS Azzurro Ernesto [1,2], Sonia Smeraldo [1,3], Manuela D'Amen [1,3]

AFFILIATIONS
1. CNR-IRBIM. National Research Council. Institute of Biological Resources and Marine Biotechnologies, Largo Fiera della Pesca 1, 60125 Ancona, Italy.
2. Stazione Zoologica Anton Dohrn, Villa Comunale, 80121 Naples, Italy.
3. Stazione Zoologica Anton Dohrn, Fano Marine Centre, Viale Adriatico 1, 61032 Fano, Italy.

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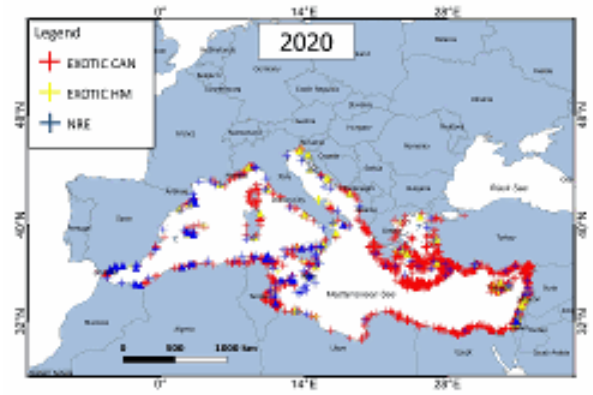
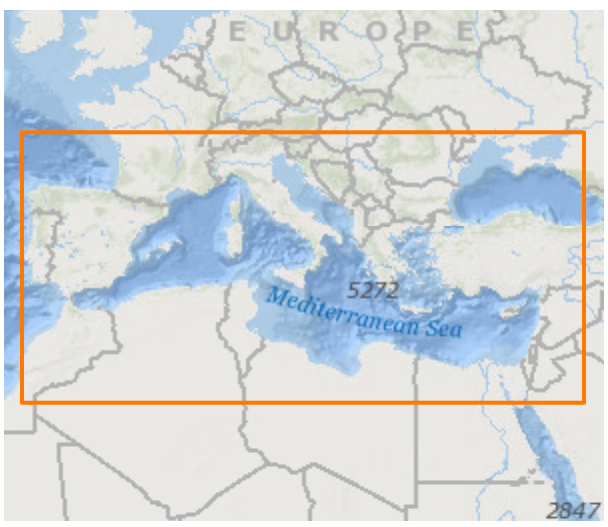


Total occurrences of fish species that entered the Mediterranean Sea by 2020. Species' first records are indicated by triangles



The ORMEF database is a comprehensive, and robust compilation of exotic fish observations recorded in the entire Mediterranean Region from 1896 to 2020. ORMEF is composed by 4015 geo-referenced occurrences distributed in the territorial waters of 20 Mediterranean Countries and extracted from 670 scientific published papers. The resultant database is a collection of 188 fish species that are categorized by the entering mean into the Mediterranean Basin in (i) EXOTIC CAN: species coming from Suez Canal; (ii) EXOTIC HM: species introduced by a human vector, e.g. from shipping, mariculture, aquarium release or by means of other human activities; (iii) NRE (natural range expansion): Atlantic species, coming from unassisted immigration through the strait of Gibraltar.

For each record (corresponding to an observation) the following parameters are reported: Species name, AphiaID (as identified by the World register of Marine Species, www. marinespecies.org), Family, Category, Year, Country, Precision of the record (that could be "Precise", "Approximate" of "Conventional"), Latitude, Longitude and the Literature corresponding source.

Each record in the ORMEF database has undergone a quality check for what concerns the accuracy of the source and both geographical and taxonomic biases. ORMEF could be very helpful to inform management strategies and policymakers since it represents a new authoritative reference for Mediterranean bio-invasion research.

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TXT RIS XLS RTF BIBTEX

DISCIPLINES Environment, Fisheries and aquaculture, Biological oceanography

KEYWORDS Non-indigenous species, Fisheries, Mediterranean Sea, Marine Ecology, Marine Biology, Fishes, Exotic species, Alien species, Lessepsian migration, Suez Canal, Shipping, Aquarium release, Ballast waters, Aquacolture, Neonative species

LOCATION 46.97802N, 28.25043S, 39.81122E, -9.74039W

Data

FILE	SIZE	FORMAT	PROCESSING	ACCESS	
Occurrence Records of Mediterranean Exotic Fishes	1 Mo	TSV	Quality controlled data	Open access	Download
A README file: txt machine-readable file describing the parameters of the database	3 Ko	.txt	Quality controlled data	Open access	Download

How to cite

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D'Amen Manuela, Smeraldo Sonia, Di Franco Antonio, Azzurro Ernesto (2022). **The spread of Lessepsian fish does not track native temperature conditions.** *ICES Journal of Marine Science,* 79 (6). https://doi.org/10.1093/icesjms/fsac121