



MAPAMED

The database of MArine Protected Areas in the MEDiterranean

Release notes for the 2019 edition, version 2



Mediterranean
Action Plan
Barcelona
Convention



The database of MARine Protected Areas in the MEDiterranean

Release notes for the 2019 edition, version 2

Authors

Reda Neveu¹, Souha El Asmi², Asma Kheriji², Dhia Guezguez² and Susan Gallon¹.

¹ MedPAN

² SPA/RAC

Quote for the release notes

MedPAN & SPA/RAC (2022). MAPAMED, the database of MARine Protected Areas in the MEDiterranean — Release notes for the 2019 edition, version 2. MedPAN and SPA/RAC. Available at: <http://www.mapamed.org/>

Quote for the database

MAPAMED, the database of MARine Protected Areas in the MEDiterranean. 2019 edition, version 2. © 2022 by SPA/RAC and MedPAN. Licensed under [CC BY-NC-SA 4.0](https://creativecommons.org/licenses/by-nc-sa/4.0/). Available at: <https://www.mapamed.org/>

Copyrights

This publication may be reproduced for educational or non-profit purposes without special permission, provided the source is acknowledged. This publication may not be resold or used for commercial purposes without prior written permission from MedPAN and SPA/RAC. Requests for permission, together with a statement of intent and extent of reproduction, should be addressed to the President of MedPAN and the Director of SPA/RAC.

Legal Notice

The contents of this handbook do not necessarily reflect the opinion or policy of MedPAN, SPA/RAC, the participating organisations or the editors. The designations employed and the presentation of material do not imply the expression of any opinion whatsoever on the part of MedPAN, SPA/RAC, the participating organisations, the editors or publishers concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Mention of a specific company or product in this publication does not imply any endorsement by MedPAN or SPA/RAC.

¹ **The Network of Managers of Marine Protected Areas in the Mediterranean (MedPAN)**

58 quai du Port, 13002 Marseille, France

+33 4 91 58 09 62 / medpan@medpan.org / <http://medpan.org/>

² **The Regional Activity Centre for Specially Protected Areas (SPA/RAC)**

Boulevard du Leader Yasser Arafat, B.P. 337, 1080 Tunis Cedex, Tunisia

+216 71 206 649 / car-asp@spa-rac.org / <http://rac-spa.org/>

Release notes for the 2019 edition, version 2

This edition takes into account all the sites officially designated by 31 December 2019 (1,320 sites in total, of which 1,087 are marine protected areas, of which 257 with a national statute, summary in Table 1) and is largely based on the following databases:

- [Nationally designated areas \(CDDA\)](#), version 18, published on 29 May 2020 (covers data reported up to March 2020).
- [Infraestructura de Dades Espacials de les Illes Balears](#), date of last publication: 12 September 2019.
- [Portail AMP France](#), last access in June 2020.
- [Natura 2000 data](#), version end2019, published on 21 April 2020 (covers reports from 2019).
- [Fisheries Restricted Areas \(FRA\)](#), last access in December 2020.
- [List of approved PSSAs](#), last accessed June 2020.
- [Ramsar Sites Information Service](#), date of last publication: 21 May 2020.
- [World Network of Biosphere Reserves](#), last accessed June 2020.
- [World Heritage List](#), last accessed June 2020.
- [View of areas meeting EBSA criteria](#), last access in June 2020.
- [Critical Habitats for Cetaceans in ACCOBAMS](#), last access in June 2020.

The purpose of this document is to highlight the major updates carried out since the 2017 edition, version 2. It is not an exhaustive list of all the changes made, as it would be too long. We prefer to focus on the most important ones (summary in Tables 2a and 2b).

For each country, we list in detailed tables the sites that have been removed from or added to the database, with a brief informative commentary. Included sites are noted in **green**, excluded sites in **red** and those retained after modification of the GIS layer are noted in **orange**.

Uncertainties or errors in the positioning of GIS layers can lead some layers to mistakenly overlap or, on the contrary, not touch each other when they should overlap. This can lead to the selection of sites that are only terrestrial or, on the contrary, the removal of partially marine sites. A close observation of the perimeter of the sites allows us to confirm or not their integration into MAPAMED.

Despite a precise definition of the guidelines on selection criteria (section 2 of the MAPAMED user manual), many sites constitute specific cases that require in-depth research and reflection in order to decide on their integration into the MAPAMED database. Arguments for the choices made are presented when necessary under the detailed tables of each country. Any contribution aiming at completing the available information or allowing the argumentation to evolve is welcome.

The GIS areas presented were calculated by the MAPAMED team. The marine areas correspond to the overlap of the sites with the “Scope of the Barcelona Convention (IHO-MSFD)” layer¹ used for MAPAMED (EPSG:3035).

¹ MedPAN and SPA/RAC (2020). GIS layer representing the scope of the Barcelona Convention. Coastline based on IHO Sea Areas, version 3, 2018. Marine regions based on MSFD Europe's seas, 2018.

Summary of corrections in version 2 of the MAPAMED 2019 edition

DESIG_CAT field

Several errors have been identified in the DESIG_CAT field and corrected:

Errors in version 1 of the MAPAMED 2019 edition	Corrections in version 2 of the MAPAMED 2019 edition
N°1578, Cap Lindles: Nature Reserve (Tunisia) N°353, El-Salum: Marine Protected Area (Libya) N°354, Zaranik: Nature Reserve (Tunisia) N°1736, Abbassieh: Nature Reserve (Tunisia) N°923, Palm Islands: Nature Reserve (Tunisia) N°927, Tyre Coast: Nature Reserve (Tunisia)	N°1578, Cap Lindles: Nature Reserve (Algeria) N°353, El-Salum: Marine Protected Area (Egypt) N°354, Zaranik: Nature Reserve (Egypt) N°1736, Abbassieh: Nature Reserve (Lebanon) N°923, Palm Islands: Nature Reserve (Lebanon) N°927, Tyre Coast: Nature Reserve (Lebanon)

PARENT_ID and PARENT_TYPE field

Several sites have been updated regarding the PARENT_ID and the PARENT_TYPE fields.

DZA — Algeria

The site N°1580, Reghaia, Protected Nature Area (Algeria), has been included by error in the version 1 and removed from the version 2 following the request of the Algerian Ministry of Environment.

FRA — France

Several errors or updates have been identified in French sites and corrected:

- An error has been made in the name of the site N°1611, Cerbère-Banyuls Marine Nature Reserve, SPAMI. The correct spelling is “Cerbère-Banyuls”.
- The GIS layer has been updated for the site N°412, Îles Bruzzi et Ilot aux Moines, Biotope Protection Order (France) thanks to data from the French Biodiversity Agency (OFB).
- Several errors and updates have been identified in the site N°386, Côte Bleue, Marine Park (France) and corrected: MANG_PLAN: Fully implemented — PLAN_REF: https://parcmarincotebleue.fr/le-parc/#objectifs_ — GREEN_LIST: Listed — WEBSITE: <https://www.parcmarincotebleue.fr>

HRV — Croatia

The borders of the Special reserve at the mouth of the Neretva River site was changed in 2020 based on a decree on the declaration of special reserves “Modro oko i jezero Desne”, “Ušće Neretve” and “Kuti” (Official Gazette 94/2020). So, the site N°146, Delta Neretve - jugoistoèni dio, Special Reserve (Croatia) has been updated with the new name “Ušće Neretve” (“Neretva Delta”) and a new GIS layer. The site N°1760, Neretva Delta, Special Reserve (Croatia) that was included in the version 1 is therefore a duplicate and has been removed from the version 2.

ISR — Israel

Several errors have been identified in Israeli sites and corrected:

- The sites N°614, Rosh Hanikra - Akhziv, Marine Protected Area (Israel) and N°615, Rosh Hanikra Islands, Nature Reserve (Israel) have been removed by error from the version 1 and included again in the version 2 (the GIS layer of the site N°614 have been updated).
- The GIS layer of the site N°1744, Yam Rosh HaNikra - Akhziv, Nature Reserve (Israel) has been updated in order to remove the overlap with the site N°615.
- The site N°610, Akhziv, National Park (Israel) has been removed from version 2 as it is a protected area without any marine area.
- The GIS layer for the site N°623, Yam Dor Ha-Bonim, Nature Reserve (Israel) has been corrected thanks to data from the Israel Nature and Parks Authority.
- The GIS layer for the site N°627, Yam Gador, Nature Reserve (Israel) has been corrected thanks to data from the Israel Nature and Parks Authority.
- The site Holot Nizzanim (WDPA ID: 555651616) has been added to version 2 as it is a protected area with a marine area.
- Several names of the Israeli sites have been corrected thanks to data from the Israel Nature and Parks Authority.

ITA — Italy

Several errors or updates have been identified in Italian sites and corrected:

- An error has been made in the name of the site N°1689, Capo Millazzo, Marine Protected Area (Italy). The correct spelling is “Capo Milazzo”.
- The website has been added for the site N°1700, Falesie di Duino, Nature Reserve (Italy): <https://www.falesiediduino.it/>

Table 1. Summary of the MAPAMED 2019 edition, version 2. Number of sites by country and by designation category, and aggregation at the Mediterranean level. Corrections specific to the version 2 of the MAPAMED 2019 edition are indicated by an asterisk (*).

DESIGNATIONS CATEGORIES	ALB	BIH	CYP	DZA	EGY	ESP	FRA	GRC	HRV	ISR	ITA	LBN	LBY	MAR	MCO	MLT	MNE	SVN	SYR	TUN	TUR	MED
MPA of National Statute	5	0	5	3*	2	65	22	25	23*	11*	43	3	2	1	2	19	2	6	2	3	13	257
Marine N2000 Site	0	0	7	0	0	110	52	156	236	0	241	0	0	0	0	14	0	13	0	0	0	829
Pelagos sanctuary	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
SPAMI	1	0	1	2	0	10	7	0	0	0	12	2	0	1	1	0	0	1	0	3	0	39
Fisheries Restricted Area (VME)	0	0	1	0	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3
Fisheries Restricted Area (EFH)	0	0	0	0	0	0	1	0	1	0	4	0	0	0	0	1	0	0	0	0	0	5
Particularly Sensitive Sea Area	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Marine N2000 Proposed Site	0	0	2	0	0	14	6	18	1	0	32	0	0	0	0	4	0	0	0	0	0	77
Ramsar Site	1	0	0	6	1	2	6	7	1	0	12	2	0	5	1	0	1	0	0	13	4	62
Biosphere Reserve	0	0	0	0	0	4	2	0	0	0	2	0	0	1	0	0	0	0	0	1	0	9
World Heritage Site	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
Critical Cetacean Habitat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
EBSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Fisheries Restricted Area (deep sea)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>SUM</i>	7	0	16	11*	5	206	99	206	262*	12*	349	7	2	8	5	38	4	20	2	20	17	1320

Table 2a. Evolution between the 2017, v2 and 2019, v2 editions of MAPAMED by country and by designation category (“-”: removed sites, “≈”: GIS modifications, “+”: added sites). Corrections specific to the version 2 of the MAPAMED 2019 edition are indicated by an asterisk (*).

DESIGNATIONS CATEGORIES	ALB			BIH			CYP			DZA			EGY			ESP			FRA			GRC			HRV			ISR			ITA		
	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+			
MPA of National Statute	4	0	0	0	0	0	0	2	3	0	0	2*	3	0	0	2	10	19	9	1*	9	0	0	14	1	1*	6*	1*	3*	2*	0	1	10
Marine N2000 Site	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6	0	2	11	0	4	28	0	30	24	0	1	0	0	0	11	0	32
Pelagos sanctuary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPAMI	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1
Fisheries Restricted Area (VME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Fisheries Restricted Area (EFH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	1
Particularly Sensitive Sea Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marine N2000 Proposed Site	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	18	0	0	1	0	0	0	0	0	7
Ramsar Site	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	9	0	0	4	0	1	0	0	0	0	0	0	0	0	0	19	0	1
Biosphere Reserve	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
World Heritage Site	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical Cetacean Habitat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EBSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fisheries Restricted Area (deep sea)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>SUM</i>	5	0	0	0	0	0	0	3	5	4	0	3*	5	0	0	17	10	23	24	1*	22	28	0	62	25	1*	9*	1*	3*	2*	30	5	52

Table 2b. Evolution between the 2017, v2 and 2019, v2 editions of MAPAMED by country and by designation category. Continuation of Table 2a and aggregation at the Mediterranean level. Corrections specific to the version 2 of the MAPAMED 2019 edition are indicated by an asterisk (*).

DESIGNATIONS CATEGORIES	LBN			LBY			MAR			MCO			MLT			MNE			SVN			SYR			TUN			TUR			MED		
	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+	-	≈	+			
MPA of National Statute	0	1	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	2	0	3	0	0	0	0	0	0	0	0	1	22*	19*	75*
Marine N2000 Site	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	82	0	70
Pelagos sanctuary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPAMI	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	5
Fisheries Restricted Area (VME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Fisheries Restricted Area (EFH)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1
Particularly Sensitive Sea Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marine N2000 Proposed Site	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Ramsar Site	0	1	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	40	1	5
Biosphere Reserve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1
World Heritage Site	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Critical Cetacean Habitat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EBSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fisheries Restricted Area (deep sea)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>SUM</i>	0	3	1	2	0	0	0	0	2	0	0	0	1	1	8	0	0	1	4	0	3	0	0	0	2	0	0	0	0	1	148*	26*	195*

Table 3. Sites removed from the 2019 edition of MAPAMED concerning Albania

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
4	4679	Not Applicable	Not Applicable	Divjake-Karavasta	National Park	2007	Wetland not connected to the sea
1288	182366	Not Applicable	Not Applicable	Pishe Poro	Managed Nature Reserve	1977	Terrestrial site
1287	11664	Not Applicable	Not Applicable	Rrushkull	Managed Nature Reserve	1995	Terrestrial site
10	196506	Not Applicable	Not Applicable	Vjose-Narte	Protected Landscape	2004	Wetland not connected to the sea
6	103547	Not Applicable	781	Karavasta Lagoon	Ramsar site	1995	Wetland not connected to the sea

Table 4. Sites added in the 2019 edition of MAPAMED concerning Albania

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

The following sites are presented as terrestrial only in CDDA :

- **Kunë-Vain-Tale** (Managed Nature Reserve, 2010), GIS area: about 44 km², of which about 7 km² (16%) is considered as marine area → This corresponds to the delta of the river Drin and an inlet to the north of the site.
- **Lumi Buna-Velipoje** (Protected Landscape, 2005), GIS area: about 230 km² of which about 10 km² (4%) is considered marine area → This corresponds to part of the Bojana River delta and the Vilunit and Vija Ernisit lagoons, which are open to the sea.
- **Patok-Fushekuqe-Ishem** (Managed Nature Reserve, 2010), GIS area: about 50 km² of which about 8 km² (16%) is considered as marine area → This largely corresponds to the Patok lagoon which is open to the sea.
- **Vjose-Narte** (Paysage Protégé, 2004), GIS area: about 197 km² of which about 2 km² (1%) is considered as marine area → This corresponds to a small portion of sea along the boundary of the site following the coastline. The Narta lagoon is not connected to the sea².

Some geographical areas combine several sites with national, regional or international status:

Karavasta

- **Karavasta** Lagoon (Ramsar site, 1995): Although presenting marine habitats (*J: Coastal brackish / saline lagoons*), Karavasta Lagoon is not connected to the sea³.
- **Divjake-Karavasta** (National Park, 2007), GIS area: about 220 km² of which about 5 km² (2%) is considered marine area → This corresponds to a small portion of sea along the site boundary following the coastline.

² Narta lagoon is separated from the sea by a narrow coastal strip (alluvial dune) ("[Coastal management of the ecosystem Vlora bay- Narta lagoon - Vjosa river mouth](#)" (PDF). itc.upt.al. p. 8.).

³ The Karavasta Lagoon is cut off from the Adriatic Sea by a long sandy beach. ("[The ecological status of Karavasta Lagoon \(Albania\): closing the stable door before the horse has bolted?](#)" (PDF). hal.archives-ouvertes.fr. p. 4.).

BIH — Bosnia and Herzegovina

Table 5. Sites removed from the 2019 edition of MAPAMED for Bosnia and Herzegovina

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 6. Sites added in the 2019 edition of MAPAMED concerning Bosnia and Herzegovina

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 7. Sites removed from the 2019 edition of MAPAMED concerning Cyprus

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 8. Sites added in the 2019 edition of MAPAMED concerning Cyprus

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
336	555596198	Not Applicable	Not Applicable	Lara-Toxeftra	Marine Protected Area	1989	(GIS corrected)
1518	555596200	Not Applicable	Not Applicable	Kavo Gkreko	Marine Protected Area	2018	New site (updated GIS)
	Not Assigned	Not Applicable	Not Applicable	Kakoskali	Marine Protected Area	2019	New site
	Not Assigned	Not Applicable	Not Applicable	Mpania	Marine Protected Area	2017	New site
	Not Assigned	Not Applicable	Not Applicable	Peyia sea caves	Marine Protected Area	2019	New site
	Not Assigned	CY4000024	Not Applicable	OCEANID	pSCI	—	New site
	555623079	CY3000002	Not Applicable	SPA KAVO GKREKO	SPA	—	New site
337	555599911	Not Applicable	Not Applicable	Lara – Toxeftra Turtle Reserve	SPAMI	2013	(GIS corrected)

The following designations concerning Cyprus in the CDDA database are not taken into account as they only concern Terrestrial sites:

- *Areas of Special Aesthetic Value*
- *Coasts and Areas for Nature Protection, National Forest Park*
- *Permanent Game Reserve Area*
- *Turtle Nesting Beach.*

Some sites are not in CDDA :

Kavo Gkreko

According to the CDDA database, this site has been designated as a Marine Protected Area in 2016 and has a GIS area of about 9.62 km² of exclusively marine area. After discussion with the organisation in charge of managing the site (Department of Fisheries and Marine Research, Ministry of Agriculture, Rural Development and the Environment), it appears that the polygon and the data attributed to the CDDA do not correspond to the information in the site's official creation decree⁴. The Department of Fisheries and Marine Research was able to provide the polygon and the information necessary to correct this site. It therefore appears that the **Kavo Gkreko** site was designated in 2018 and that its GIS area is about 7.16 km² of exclusively marine area.

⁴ Κ.Δ.Π. 115-2018 - Διάταγμα Κάβο Γκρέκο

Mpania

Mpania is a new site designated as a Marine Protected Area in 2017 with⁵ a GIS area of about 0.09 km² of exclusively marine area.

Peyia sea caves

Peyia sea caves is a new site designated as a Protected Marine Area in 2019 with⁶ a GIS area of about 0.5 km² of exclusively marine area.

Kakoskali

Kakoskali is a new site designated as a Marine Protected Area in 2019 with⁷ a GIS area of about 3.8 km² of exclusively marine area.

⁵ ΚΔΠ 66-2017 (Μπάνια - Πάφο)

⁶ Διάταγμα Θαλασσινές Σπηλιές (010219)

⁷ 20.ΚΑΚΟΣΚΑΛΙ Δ - ΚΑΚΟΣΚΑΛΙ.Κ.Δ. 258-2019

Table 9. Sites removed from the 2019 edition of MAPAMED concerning Algeria

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
30	900575	Not Applicable	1059	Marais De La Macta	Ramsar site	2001	Wetland not connected to the sea
15	26620	Not Applicable	Not Applicable	El Kala	UNESCO-MAB Biosphere Reserve	1990	Terrestrial site
18	902531	Not Applicable	Not Applicable	Gouraya	UNESCO-MAB Biosphere Reserve	2004	Terrestrial site
35	902530	Not Applicable	Not Applicable	Taza	UNESCO-MAB Biosphere Reserve	2004	Terrestrial site

Table 10. Sites added in the 2019 edition of MAPAMED concerning Algeria

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	Not Assigned	Not Applicable	Not Applicable	Reghaia	Protected Nature Area	2016	Marine site
	Not Assigned	Not Applicable	Not Applicable	Ile Plane (Paloma)	Not Reported	2018	New site
	555698157	Not Applicable	Not Applicable	Cap Lindles	Nature Reserve	2019	New site
	901232	Not Applicable	1303	Réserve Naturelle du Lac de Béni-Bélaïd	Ramsar site	2003	Partially marine site

The following site is presented as partially marine in the Ramsar base:

- **Marais De La Macta** (Ramsar site, 2001) → Although presenting marine habitats (*E: Sand, shingle or pebble shores, J: Coastal brackish / saline lagoons*), the marshes are not connected with the sea⁸.

⁸ La Macta is a sublittoral depression separated from the Gulf of Arzew by a dune barrier (<https://rsis.ramsar.org/RISapp/files/RISrep/DZ1059RISformer.pdf>).

Table 11. Sites removed from the 2019 edition of MAPAMED for Egypt

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
342	312969	Not Applicable	Not Applicable	Ashtum El-Gamel	Nature Reserve	1998	Non-marine wetland
343	306581	Not Applicable	Not Applicable	El Bourollus	Nature Reserve	1998	Non-marine wetland
346	12359	Not Applicable	Not Applicable	El Omayed	Nature Reserve	1996	Terrestrial site
349	68187	Not Applicable	408	Lake Burullus	Ramsar site	1988	Non-marine wetland
345	3020	Not Applicable	Not Applicable	El Omayed	UNESCO-MAB Biosphere Reserve	1981	Terrestrial site

Table 12. Sites added in the 2019 edition of MAPAMED concerning Egypt

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

The following site has been removed from MAPAMED :

- **El Omayed** (Biosphere Reserve, 1981), GIS area: about 673 km² of which about 38 km² (6%) is considered as marine area → The superposition of the site with the marine environment to the north is due to the retreat of the coastline.

Table 13. Sites removed from the 2019 edition of MAPAMED for Spain

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
1051	Not Assigned	Not Applicable	Not Applicable	Es Vedrà, es Vedranell i els illots de Ponent	Nature Reserve	2002	Correction and dissociation into two sites
1104	Not Assigned	Not Applicable	Not Applicable	Islas Chafarinas	National Hunting Refuge Nature Reserve	1982	Terrestrial site
982	555538332	ES0000197	Not Applicable	Acantilados del Monte Hacho	SPA	—	Terrestrial site
1092	555538211 555538211	ES0000061	Not Applicable	Àrees emergides de les Illes Columbretes	SPA_pSCI	—	Terrestrial site
1021	555538743 555549131	ES6310001	Not Applicable	Calamocarro-Benzú	SPA_pSCI	—	Terrestrial site
1029	555538363 555548981	ES0000228	Not Applicable	Cap de ses Salines	SPA_SCI	—	Terrestrial site
1109	555538653 555549043	ES5120014	Not Applicable	L'Albera	SPA_SAC	—	Terrestrial site
1124	555538359	ES0000224	Not Applicable	Muleta	SPA	—	Terrestrial site
1284	68192	Not Applicable	592	Aiguamolls de l'Empordà	Ramsar site	1993	Wetland not connected to the sea
1276	68187	Not Applicable	454	Albufera de Valencia	Ramsar site	1989	Non-marine wetland
1275	68189	Not Applicable	456	Lagunas de la Mata y Torrevieja	Ramsar site	1989	Non-marine wetland
1282	555547955	Not Applicable	2036	Lagunas de las Moreras	Ramsar site	2011	Non-marine wetland
1274	903047	Not Applicable	1677	Paraje Natural Punta Entinas-Sabinar	Ramsar site	2007	Non-marine wetland
1280	68191	Not Applicable	458	Prat de Cabanes - Torreblanca	Ramsar site	1989	Wetland not connected to the sea
1279	555538188	Not Applicable	449	S'Albufera de Mallorca	Ramsar site	1989	Non-marine wetland
1278	94077	Not Applicable	641	Salinas de Ibiza y Formentera	Ramsar site	1993	Non-marine wetland
1277	68190	Not Applicable	457	Salinas de Santa Pola	Ramsar site	1989	Non-marine wetland

Table 14. Sites added in the 2019 edition of MAPAMED concerning Spain

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	555552486	Not Applicable	Not Applicable	Cabo de Gata-Níjar	Marine Reserve	1995	(GIS corrected)
	389087	Not Applicable	Not Applicable	Cap de Creus	Plan for Areas of Natural Interest	1992	Secondary site (Creus)
	389006	Not Applicable	Not Applicable	Cap de Creus	Integral Nature Reserve	1998	Secondary site (Creus)
	151248	Not Applicable	Not Applicable	Cap de Norfeu	Parcial Nature Reserve	1998	Secondary site (Creus)
	389004	Not Applicable	Not Applicable	Cap Gros-Cap de Creus	Parcial Nature Reserve	1998	Secondary site (Creus) (GIS corrected)
	555596226	Not Applicable	Not Applicable	Corredor de Migración de Cetáceos del Mediterráneo	Marine Protected Area	2018	New site
	555546001	Not Applicable	Not Applicable	Del Montgrí, les Illes Medes i el Baix Ter	Nature Park	2010	(GIS corrected)
	389097	Not Applicable	Not Applicable	Delta de l'Ebre	Plan for Areas of Natural Interest	1992	Secondary site (Ebre)

	555638694	Not Applicable	Not Applicable	Es Trenc - Salobrar de Campos	Nature Park	2017	Extension at sea
	348880	Not Applicable	Not Applicable	Es Vedra i es Vedranell	Nature Reserve	2002	Addition of the marine part (GIS corrected)
	555552484	Not Applicable	Not Applicable	Illa de Tabarca	Marine Reserve	1986	Extension in state waters (GIS corrected)
	348792	Not Applicable	Not Applicable	Illa de Tabarca	Valencian Nature Reserve	1994	Secondary site (Tabarca)
	389123	Not Applicable	Not Applicable	Illes Medes	Plan for Areas of Natural Interest	1992	Secondary site (Medes)
	348799	Not Applicable	Not Applicable	Illots de Ponent	Nature Reserve	2002	Addition of the marine part (GIS corrected)
	555552483	Not Applicable	Not Applicable	Isla de Alborán	Marine Reserve	1997	(GIS corrected)
	348803	Not Applicable	Not Applicable	Isla de San Andrés	Natural Monument	2003	Partially marine site (GIS corrected)
	555546014	Not Applicable	Not Applicable	Marina de Les Medes	Parcial Nature Reserve	2010	Secondary site (Medes) (GIS corrected)
	20955	Not Applicable	Not Applicable	Peñones de San Cristóbal	Natural Monument	2001	Partially marine site
	15452	Not Applicable	Not Applicable	Punta de la Banya	Parcial Nature Reserve	1986	Secondary site (Ebre)
	151292	Not Applicable	Not Applicable	Punta del Fangar	Wildlife Nature Reserve	1992	Secondary site (Ebre)
	Not Assigned	Not Applicable	Not Applicable	Sa Dragonera	Marine Reserve	2016	Extension in state waters (GIS corrected)
	555546020	Not Applicable	Not Applicable	S Albufera des Grau	Nature Reserve	2003	Secondary site (Es Grau)
	15509	Not Applicable	Not Applicable	Salinas y Arenales de San Pedro del Pinatar	Nature Reserve	1992	Wetland connected to the sea
	555546019	Not Applicable	Not Applicable	Ses Salines d Eivissa i Formentera	Nature Reserve	2001	Secondary site (Eivissa i Formentera)
	Not Assigned	Not Applicable	Not Applicable	Serra d'Irta	Valencian Marine Reserve	2006	Marine site
	Not Assigned	Not Applicable	Not Applicable	Cap de Sant Antoni	Valencian Marine Reserve	2015	Marine site
	Not Assigned	Not Applicable	Not Applicable	Punta de sa Creu	Balearic Marine Reserve	2018	New site
	Not Assigned	Not Applicable	Not Applicable	Costa nord-est d'Eivissa-Tagomago	Balearic Marine Reserve	2018	New site
	Not Assigned	Not Applicable	Not Applicable	Illa de l'Aire	Balearic Marine Reserve	2019	New site
	Not Assigned	Not Applicable	Not Applicable	Corredor de Migración de Cetáceos del Mediterráneo	SPAMI	2019	New site
	555524050 555538186	ES6300001	Not Applicable	Islas Chafarinas	SPA_SAC	—	New site
	555524031	ES6200030	Not Applicable	Mar Menor	SAC	—	New site
	61525	Not Applicable	Not Applicable	Menorca	UNESCO-MAB Biosphere Reserve	1993	Partially marine site

The following designations for Spain in the CDDA database are not taken into account:

- *Natura 2000* (duplicates with the Natura 2000 database)
- *Protected Landscape* (terrestrial sites)
- *Wetland Sites* (terrestrial sites)

The following sites are presented as terrestrial only in CDDA :

- **Isla de San Andrés** (Natural Monument, 2003), GIS area: about 0 km² as the polygon is in fact only a point → After discussion with the management authority (*Junta de Andalucía*), it appears that the CDDA polygon does not correspond to the information in the site's official creation decree⁹. The GIS layer was created by MedPAN according to the information from the creation decree. It therefore appears that the GIS surface area is about 0.07 km², of which about 0.06 km² (86%) is considered as marine area. The boundary of this site includes the island of San Andrés (0.015 km²) as well as the surrounding seabed.
- **Serra de Tramuntana** (Natural Area, 2007), GIS area: about 631 km² of which about 13 km² (2%) is considered as marine area → The boundary of this almost exclusively terrestrial site clearly follows the coastline along the coast. However, in some places, this limit marks voluntary extensions at sea.

The following sites are presented as totally or partially marine in CDDA :

- **Isla de Terreros e Islas Negra** (Natural Monument, 2001), GIS area: about 0.02 km² of which 100% is considered as marine area → This corresponds to the land surface of the islands whose perimeter has not been cut out of the geographical layer of the Mediterranean. The creation decree¹⁰ indicates that "*the surface area of the site corresponds to the surface area of each island*".
- **Ricarda-Ca l'Arana** (Nature Reserve, 1987), GIS area: about 2 km² of which about 0.01 km² (9%) is considered marine area → This corresponds to a small portion of sea along the site boundary following the coastline (no connection to the sea).

Some geographical areas combine several sites with national, regional or international status:

Aiguamolls de l'Emporda

- **Aiguamolls de l'Emporda** (Natural Park, 1983), GIS area: about 47 km², of which about 1 km² (2%) is considered marine area →. This corresponds to a small portion of sea along the boundary of the site following the coastline. The natural park has no connection with the sea¹¹.
- **Dels Aiguamolls del Baix Ter** (Partial Nature Reserve, 2010): Terrestrial site only.
- **Aiguamolls de l'Alt Emporda** (Plan for Areas of Natural Interest, 1992), GIS area: about 108 km² of which about 60 km² (56%) is considered marine area → This corresponds to a large portion of sea off the site.
- **Aiguamolls de l'Empordà** (Ramsar site, 1993): Although they have marine habitats (*E: Sand, shingle or pebble shores, H: Intertidal marshes, J: Coastal brackish / saline lagoons*), the marshes are not connected to the sea. Perimeter identical to the Natural Park.

These different sites are animated by the natural park of the Aiguamolls de l'Emporda.

⁹ Decree 250/2003 of 9 September (BOJA number 188, of 30 September 2003).

¹⁰ Decree 226/2001, of 2 October, declaring certain natural monuments in Andalusia. (BOJA nº 135/2001, of 22 November) ([portal medio ambiente Junta de Andalucía](http://portal.medioambiente.junta.deandalucia.es))

¹¹ In front of the coasts of the natural park is an area of relatively shallow marine waters, with a sandy bottom and fine and coarse sand. The protection offered by the Gulf of Roses provides shelter when the tramontana is strong. However, when the easterly wind blows, it hits the coastal front of the park (https://es.wikipedia.org/wiki/Parque_natural_de_las_Marismas_del_Ampurd%C3%A1n).

Creus

- **Cap de Creus** (Plan for Areas of Natural Interest, 1992), GIS area: about 139 km² of which about 29 km² (21%) is considered as marine area.
- **Cap de Creus** (Natural Park, 1998), GIS area: about 139 km² of which about 29 km² (21%) is considered as marine area. Perimeter identical to the Plan for Areas of Natural Interest.
- **Cap de Creus** (Integral Nature Reserve, 1998), GIS area: about 9 km² of which about 0.3 km² (3%) is considered marine area → This corresponds to the marine part to the north of the island of Encalladora.
- **Cap Gros-Cap de Creus** (Partial Nature Reserve, 1998), GIS area: about 15 km², of which about 6 km² (40%) is considered marine area → After discussion with the management authority (*Generalitat de Catalunya*), it appears that the CDDA polygon is mistakenly superimposed with the integral nature reserve. The GIS layer was modified by MedPAN (removal of overlapping areas). It therefore appears that the GIS surface area is about 5.5 km² of exclusively marine area.
- **Cap Gros-Cap de Creus** (Natural Site of National Interest, 1998): a Terrestrial site only.

Norfeu

- **Cap de Norfeu** (Réserve Naturelle Intégrale, 1998): Terrestrial site only.
- **Cap de Norfeu** (Partial Nature Reserve, 1998), GIS area: about 2.7 km² of exclusively marine area.
- **Cap de Norfeu** (Site naturel d'intérêt national, 1998): a Terrestrial site only.

These different sites are animated by the Cap de Creus Natural Park.

Ebre

- **Ebro Delta** (Natural Park, 1986), GIS area: about 76 km², of which about 14 km² (18%) is considered marine area → This corresponds to saline and marine areas.
- **Punta de la Banya** (Nature Reserve, 1986), GIS area: about 25 km² of which about 8 km² (32%) is considered as marine area → This corresponds to salt marshes and marine areas. Site presented as being only terrestrial in CDDA.
- **Ebro Delta** (Plan for Areas of Natural Interest, 1992), GIS area: about 485 km² of which about 368 km² (76%) is considered marine area → This corresponds to a large portion of the sea around the delta.
- **Punta del Fangar** (Wildlife Nature Reserve, 1992), GIS area: about 7.4 km² of which about 1.3 km² (18%) is considered marine area → This corresponds to a small stretch of sea along the coast.
- **Riberes i illes de l'Ebre** (Plan for Areas of Natural Interest, 1992): Terrestrial site only.
- **Ebro Delta** (Ramsar site, 1993): The Ramsar database indicates the presence of marine habitats (*E: Sand, shingle or pebble shores, J: Coastal brackish / saline lagoons, H: Intertidal marshes, A: Permanent shallow marine waters, F: Estuarine waters, G: Intertidal mud, sand or salt flats*). Perimeter identical to the natural park.
- **The Illes de l'Ebre** (Nature Reserve, 1995): a Terrestrial site only.
- **L'illa de Sant Antoni** (Nature Reserve, 1995): a Terrestrial site only.

These different sites are animated by the Ebro Delta Natural Park.

Guadiaro

- **Estuario del Río Guadiaro** (Natural Site, 1989), GIS area: about 0.4 km², of which about 0.09 km² (23%) is considered marine area → This corresponds to a small portion of sea along the site boundary following the coastline and part of the estuary of the River Guadiaro. Site presented as terrestrial only in CDDA.
- **Estuario del Río Guadiaro** (ES6120003): The Natura 2000 database indicates that 0% of the site is marine. The Natura 2000 database¹² shows some marine species tolerant to brackish environments (such as *Dicentrarchus labrax*) but no marine habitat.
- **Fondos Marinos Estuario del Río Guadiaro** (Site Natura 2000 "Habitats", 2007): The Natura 2000 database indicates that 97% of the site is marine.

Medes

- **Illes Medes** (Plan for Areas of Natural Interest, 1992), GIS area: about 82 km² of which about 20 km² (24%) is considered a marine area.
- **Del Montgrí, les Illes Medes i el Baix Ter** (Natural Park, 2010), GIS area: about 78 km², of which about 16 km² (21%) is considered marine area → After discussion with the management authority (*Generalitat de Catalunya*), it appears that the Natural Park polygon should not be different from that of the Plan for Areas of Natural Interest (especially in the peripheral area of the nature reserve). The GIS layer was modified by MedPAN (addition of the peripheral area) in order to make the two polygons identical. The GIS surface area is therefore about 82 km², of which about 20 km² (24%) is considered as marine area.
- **Les Illes Medes** (Integral Nature Reserve, 2010): a Terrestrial site only.
- **Marina de Les Medes** (Partial Nature Reserve, 2010), GIS area: about 1.2 km² of which about 0.9 km² (75%) is considered marine area → After discussion with the management authority (*Generalitat de Catalunya*), it appears that the CDDA polygon erroneously included the terrestrial area corresponding to the integral nature reserve. The GIS layer was modified by MedPAN (removal of overlapping areas). It therefore appears that the GIS area is about 1 km² of exclusively marine area.

These different sites are animated by the Medes Islands Natural Park.

San Pedro del Pinatar

- **Salinas y Arenales de San Pedro del Pinatar** (Nature Reserve, 1992), GIS area: about 8.7 km² of which about 5.2 km² (60%) is considered marine area → This corresponds mainly to salines and also a small marine area.
- **Salinas y Arenales de San Pedro del Pinatar** (Site Natura 2000 "Birds and Habitats", 1998): The Natura 2000 database indicates that 13.5% of the site is marine.

Trafalgar

- **La Breña y Marismas del Barbate** (Natural Park, 1989), GIS area: about 51 km², of which about 11 km² (22%) is considered marine area → This corresponds to a marine area along the coast between Cape Trafalgar and the port of Barbate.
- **La Breña y Marismas del Barbate** (ES6120008), GIS area: about 51 km², of which about 11 km² (22%) is considered marine area → This corresponds to a marine area

¹² <http://natura2000.eea.europa.eu/Natura2000/SDF.aspx?site=ES6120003>

along the coast between Cape Trafalgar and the port of Barbate.

- **Punta de Trafalgar** (ES6120017), GIS area: about 6.7 km² of which about 5.6 km² (83%) is considered marine area → This corresponds to a marine area around Cape Trafalgar.

According to the IHO definition, these sites are totally or partially in the Mediterranean. However, they do not fall within the scope of the Barcelona Convention. Therefore, we cannot include these sites in MAPAMED. To our knowledge, these sites are not in the OSPAR Convention database but are within its scope.

Some sites are not in CDDA :

Reservas Marinas de España

Spain has 11 marine reserves¹³, 8 of which are in the Mediterranean:

Isla de Tabarca (1986), **Islas Columbretes** (1990), **Cabo de Gata-Níjar** (1995), **Cabo de Palos-Islas Hormigas** (1995), **Isla de Alborán** (1997), **Masía Blanca** (1999), **Levante de Mallorca-Cala Ratjada** (2007) et **Cabo Tiñoso** (2016).

Three of these reserves are managed jointly with the autonomous communities:

- Isla de Tabarca (Island of Tabarca): *Comunitat Valenciana*. In addition, a nature reserve, **Illa de Tabarca** (1994) has been designated with the same spatial coverage than the marine reserve. This nature reserve is animated by the marine reserve.
- Cabo de Palos-Islas Hormigas: *Región de Murcia*.
- Levante de Mallorca-Cala Ratjada (Llevant de Mallorca): *Illes Balears*.

In addition to marine reserves managed or co-managed by the Spanish State, there are also marine reserves managed solely by autonomous communities. These reserves are not included in CDDA :

- *Les reserves marines d'interès pesquer de la Comunitat Valenciana*¹⁴ : **Serra d'Irta** (2006) et **Cap de Sant Antoni** (2015).
- *Les reserves marines a les Illes Balears*¹⁵ : **Badia de Palma** (1982), **Nord de Menorca** (1999), **Freus d'Eivissa i Formentera** (1999), **Migjorn de Mallorca** (2002), **Illa del Toro** (2004), **Illes Malgrats** (2004), **Freu de sa Dragonera** (2016), **Punta de sa Creu** (2018), **Costa nord-est d'Eivissa-Tagomago** (2018) et **Illa de l'Aire** (2019).

These marine reserves managed solely by autonomous communities are included in MAPAMED.

Natural Reserves of the Vedrà, es Vedranell i illots de Ponent

The Natural Park of Cala d'Hort, cap Llentrisca i sa Talaia and the Natural Reserves of the Vedrà, es Vedranell i dels illots de Ponent were created in 2002 (Decreto 24/2002 PN declaración). The Park has a terrestrial and marine scope, but the Reserves only have a terrestrial coverage. The 2002 Natural Resources Management Plan (PORN Cala d'Hort

¹³ <https://www.mapa.gob.es/es/pesca/temas/proteccion-recursos-pesqueros/reservas-marinas-de-espana/>

¹⁴ <http://www.agroambient.gva.es/va/web/pesca/reservas-marinas>

¹⁵ http://www.caib.es/sites/reservesmarines/ca/las_reservas_marinas_en_las_illes_balears-850/

2002) gives more details about the marine area of the park and its regulations.

The 2007 Management Plan (Inicio PORN 2007), cancels and replaces the 2002 one. This has the effect of significantly reducing the Park's area, which becomes exclusively terrestrial. The former marine area of the Park becomes the competence of the two nature reserves. All details, official documents and maps are available on the website of the Government of the Balearic Islands¹⁶.

Although the CDDA database still presents these two nature reserves as being only terrestrial, we consider it relevant to include these MPAs in MAPAMED (The nature reserve Es Vedrà, es Vedranell i els Illots de Ponent in the 2017 edition of MAPAMED has been split into two separate nature reserves **Es Vedrà, es Vedranell** (2002) and **Illots de Ponent** (2002) in the 2020 edition with the addition of the marine parts as indicated in the official texts).

Zona vedada del Cap Negre al Pa de Pessic (Ses Negres)

The closed area of **Cap Negre al Pa de Pessic (Ses Negres)** (1993) is an MPA designated by the *Generalitat de Catalunya*¹⁷. It entails the following regulations :

- professional and recreational fishing prohibited
- collection of flora or fauna prohibited
- scuba diving prohibited
- anchorage prohibited
- navigation prohibited above 3 knots
- possibility of regulating bathing (dedicated areas)

This MPA is included in MAPAMED.

¹⁶ https://www.caib.es/sites/espaisnaturalsprotegits/ca/reserves_naturals_des_vedra_es_vedranell_i_els_illots_de_ponent_-21789/

¹⁷ <http://agricultura.gencat.cat/ca/ambits/pesca/proteccio-recursos-litoral/arees-marines-protegides/zona-vedada-cap-negre/>

Table 15. Sites removed from the 2019 edition of MAPAMED for France

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
364	106725	Not Applicable	Not Applicable	Etang de Biguglia	Corsican Nature Reserve	1994	Marine wetland outside the PMD
423	181712	Not Applicable	Not Applicable	La Narbonnaise en Méditerranée	Regional Nature Park	2003	Marine wetland outside the PMD
356	106767	Not Applicable	Not Applicable	Agriate	Land acquired by Conservatoire du Littoral (national seaside and lakeside conservancy)	1979	Terrestrial site
358	555597404	Not Applicable	Not Applicable	Archipel Des Embiez	Land acquired by Conservatoire du Littoral (national seaside and lakeside conservancy)	1999	Terrestrial site
366	555559618	Not Applicable	Not Applicable	Calanques	National Park - Core Area	2012	Internal area
377	345972	Not Applicable	Not Applicable	Cap Taillat	Land acquired by Conservatoire du Littoral (national seaside and lakeside conservancy)	1987	Terrestrial site
393	147435	Not Applicable	Not Applicable	Domaine du Rayol	Land acquired by Conservatoire du Littoral (national seaside and lakeside conservancy)	1989	Terrestrial site
428	193389	Not Applicable	Not Applicable	Port D'Alon	Land acquired by Conservatoire du Littoral (national seaside and lakeside conservancy)	1980	Terrestrial site
429	663	Not Applicable	Not Applicable	Port-Cros	National Park - Core Area	1963	Internal area
382	555526750	FR9101441	Not Applicable	Complexe lagunaire de Lapalme	SAC	—	Terrestrial site
383	555526759	FR9101463	Not Applicable	Complexe lagunaire de Salses	SAC	—	Marine wetland outside the PMD
384	555539517	FR9112005	Not Applicable	Complexe lagunaire de Salses-Leucate	SPA	—	Marine wetland outside the PMD
388	555526852	FR9301601	Not Applicable	Côte bleue - chaîne de l'Estaque	SAC	—	Terrestrial site
399	555539518	FR9112006	Not Applicable	Etang De Lapalme	SPA	—	Terrestrial site
400	555526897	FR9400581	Not Applicable	Étang de Palo et cordon dunaire	SAC	—	Marine wetland outside the PMD
401	555539530	FR9112018	Not Applicable	Etang De Thau Et Lido De Sete A Agde	SPA	—	Terrestrial site
402	555526731	FR9101410	Not Applicable	Étangs palavasiens	SAC	—	Terrestrial site
403	555539506	FR9110042	Not Applicable	Étangs palavasiens et étang de l'Estagnol	SPA	—	Terrestrial site
411	555526852	FR9101411	Not Applicable	Herbiers de l'étang de Thau	SAC	—	Terrestrial site
422	555526846	FR9301590	Not Applicable	Le Rhône aval	SAC	—	Marine wetland outside the PMD
1270	109026	Not Applicable	1831	Etang d'Urbino	Ramsar site	2008	Non-marine wetland
1271	109027	Not Applicable	1832	Etangs palavasiens	Ramsar site	2008	Non-marine wetland
1267	127842	Not Applicable	786	La Petite Camargue	Ramsar site	1996	Non-marine wetland
1273	109033	Not Applicable	1838	Salins d'Hyères	Ramsar site	2008	Non-marine wetland

Table 16. Sites added in the 2019 edition of MAPAMED concerning France

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	555597292	Not Applicable	Not Applicable	Iles Du Cap Corse	Corsican Nature Reserve	2017	New site
	Not Assigned	Not Applicable	Not Applicable	Agriate	Maritime public domain (Conservatoire du littoral)	2006	Marine site
	Not Assigned	Not Applicable	Not Applicable	Calanques	National Park	2012	Partially marine site
	Not Assigned	Not Applicable	Not Applicable	Domaine du Rayol	Maritime public domain (Conservatoire du littoral)	2010	Marine site
	Not Assigned	Not Applicable	Not Applicable	Embouchure du fleuve Var	Biotope Protection Order	2019	New site
	Not Assigned	Not Applicable	Not Applicable	Île du Grand Rouveau - les Embiez	Maritime public domain (Conservatoire du littoral)	2011	Marine site
	Not Assigned	Not Applicable	Not Applicable	Le cap Taillat	Maritime public domain (Conservatoire du littoral)	2010	Marine site
	Not Assigned	Not Applicable	Not Applicable	Port d'Alon - Nartette	Maritime public domain (Conservatoire du littoral)	2009	Marine site
	Not Assigned	Not Applicable	Not Applicable	Port-Cros	National Park	1963	Partially marine site
	555526926	FR9400613	Not Applicable	Cavités à chauves-souris de Castifao, muracclole, Olmeta di Tuda et Coggia-Temuli	SAC	—	Partly marine site (Temuli/Sagone marine cave)
	555635565	FR9402019	Not Applicable	Grands dauphins de l'Agriate	pSCI	—	New site
	555643632	FR9102018	Not Applicable	Grands dauphins du golfe du Lion	pSCI	—	New site
	555539584	FR9410097	Not Applicable	Iles Finocchiarola et Côte Nord	SPA	—	New site
	555643664	FR9412011	Not Applicable	Oiseaux marins de l'Agriate	SPA	—	New site
	555703285	FR9112038	Not Applicable	Oiseaux marins sud golfe du Lion	SPA	—	New site
	555643635	FR9102016	Not Applicable	Récifs des canyons Lacaze-Duthiers, Pruvot et Bourcart	pSCI	—	New site
	555643631	FR9102017	Not Applicable	Récifs du banc de l'Ichtys et du canyon de Sète	pSCI	—	New site
	555635566	FR9402020	Not Applicable	Récifs du mont sous-marin d'Ajaccio et des affleurements rocheux de Valinco	pSCI	—	New site
	555635567	FR9402021	Not Applicable	Récifs du mont sous-marin de l'Agriate	pSCI	—	New site
	Not Assigned	Not Applicable	Not Applicable	Calanques	SPAMI		New site
	Not Assigned	Not Applicable	Not Applicable	Cerbère-Banyuls	SPAMI		New site
	555624850	Not Applicable	2307	Etang de Salses-Leucate	Ramsar site	2017	New site

The following designations for France in the CDDA database are not taken into account:

- *Biological Reserve* (terrestrial sites)
- *Forest Managed* (terrestrial sites)

- *National park zones* (internal areas)

The following site is presented as totally or partially marine in CDDA :

- **Embouchure Du Rizzanese** (Biotope Protection Order, 2015), GIS area: about 0.5 km² of which about 0.1 km² (20%) is considered marine area → This corresponds to a small portion of sea along the site boundary following the coastline.

The following site is presented as totally or partially marine in the Natura 2000 database:

- **Herbiers de l'étang de Thau** (FR9101411), GIS area: about 83 km² of which about 0.2 km² (0.2%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.

Some geographical areas combine several sites with national, regional or international status:

Arasu

- **Arasu** (Land acquired by the Conservatoire du Littoral, 2000), GIS area: about 0.4 km² of which about 0.1 km² (25%) is considered marine area → This largely corresponds to the Arasu ponds which do not seem to have any connection with the sea¹⁸.
- **Baie de San Ciprianu : étangs d'Arasu et îles San Ciprianu et ilot Cornuta** (FR9400607), GIS area: about 1 km² of which about 0.3 km² (30%) is considered as marine area → This largely corresponds to the Arasu ponds.

Bagnas

- **Bagnas** (Nature Reserve, 1983), GIS area: about 6 km² of which about 0.1 km² (2%) is considered as marine area → This corresponds to a small portion of sea on the edge of the site. However, this part of the sea is not included in the official map¹⁹. Non-marine wetland.
- **Étang du Bagnas** (FR9101412), GIS area: about 7 km² of which about 0.03 km² (0.4%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **Étang du Bagnas** (FR9110034), GIS area: about 7 km² of which about 0.03 km² (0.4%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.

Biguglia

- **Etang de Biguglia** (Ramsar Site, 1991): The Ramsar database indicates the presence of a habitat type "*Marine or coastal wetlands*" (*J: Coastal brackish / saline lagoons*).

¹⁸ http://www.conservatoire-du-littoral.fr/siteLittoral/364/28-arasu-2a_corse-du-sud.htm

¹⁹ <http://www.reserves-naturelles.org/bagnas>

- **Etang De Biguglia** (Nature Reserve, 1994), GIS area: about 18 km² of which about 0.06 km² (0.3%) is considered as marine area → This corresponds to the estuary of the river Bevinco, the only connection to the sea of the pond. However, the site is not part of the French public maritime domain.
- **Rives De L'Etang De Biguglia** (Land acquired by the Conservatoire du Littoral, 2000): Terrestrial site only.
- **Étang de Biguglia** (FR9400571), GIS area: about 20 km² of which about 0.2 km² (1%) is considered as marine area → This corresponds to the estuary of the river Bevinco. However, the site is not part of the French public maritime domain.
- **Étang de Biguglia** (FR9410101), GIS area: about 18 km² of which about 0.01 km² (0.1%) is considered as marine area → This corresponds to the estuary of the river Bevinco. However, the site is not part of the French public maritime domain.

Camargue

- **Camargue** (Parc Naturel Régional, 1970), GIS surface area: about 999 km² of which about 22 km² (2%) is considered as marine area → This corresponds to the Grand Rhône estuary.
- **Camargue** (Nature Reserve, 1975), GIS area: about 130 km² of which about 0.2 km² (0.2%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **La Palissade** (Land acquired by the Conservatoire du Littoral, 1977), GIS area: about 11 km² of which about 0.6 km² (6%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **Camargue** (Ramsar site, 1986): The Ramsar database indicates the presence of a "*Marine or coastal wetlands*" type habitat (*E: Sand, shingle or pebble shores, F: Estuarine waters*).
- **Vaccares** (Land acquired by the Conservatoire du Littoral, 2005), GIS area: about 134 km² of which about 0.02 km² (0.02%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **Etangs Et Marais Des Salins De Camargue** (Land acquired by the Conservatoire du Littoral, 2006), GIS surface area: about 65 km² of which about 1.3 km² (2%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **Pointe De Beauduc** (Biotope Protection Order, 2013), GIS area: about 4 km² of which about 1 km² (25%) is considered as marine area → This corresponds to a marine area around the Pointe de Beauduc.
- **Brasinvert** (Land acquired by the Conservatoire du Littoral, 2016), GIS area: about 5 km² of which about 1 km² (20%) is considered as marine area → This corresponds to a small marine area off the Icard pond (shifting of the coastline). Non-marine wetland.
- **Camargue** (FR9301592), GIS area: about 1134 km² of which about 360 km² (32%) is considered as marine area → This corresponds to a large portion of the sea off the Rhone delta.
- **Camargue** (FR9310019), GIS area: about 2203 km² of which about 1414 km² (64%) is considered as marine area → This corresponds to a very large portion of sea off the Rhone delta.

Petite Camargue

- **La Petite Camargue** (Land acquired by the Conservatoire du Littoral, 1998), GIS area: about 0.9 km² of which about 0.002 km² (0.2%) is considered as marine area → This corresponds to a small portion of sea along the boundary of the site that follows the coastline. Non-marine wetland.

- **Petite Camargue** (FR9101406), GIS area: about 344 km² of which about 0.3 km² (0.09%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **Petite Camargue laguno-marine** (FR9112013), GIS area: about 157 km² of which about 0.03 km² (0.02%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **La Petite Camargue** (Ramsar site, 1996): Although presenting marine habitats (*H: Intertidal marshes, G: Intertidal mud, sand or salt flats, I: Intertidal forested wetlands, J: Coastal brackish / saline lagoons*), the site has limited connectivity with the sea.

Hyères

- **Presqu'île De Giens** (Land acquired by the Conservatoire du Littoral, 1978): Terrestrial site only.
- **Le Salin Des Pesquiers** (Land acquired by the Conservatoire du Littoral, 1991), GIS surface area: about 6 km² of which about 0.006 km² (0.1%) is considered as marine area → This site covers the salt marshes of the Giens peninsula with limited connectivity to the sea.
- **Salins d'Hyères** (Ramsar site, 2008): Although they present marine habitats (*E: Sand, shingle or pebble shores, J: Coastal brackish / saline lagoons, G: Intertidal mud, sand or salt flats*), saltworks have limited connectivity with the sea.
- **Salins d'Hyères et des Pesquiers** (FR9312008), GIS surface area: about 10 km² of which about 0.02 km² (0.2%) is considered as marine area → This site covers the salt marshes of the Giens peninsula with limited connectivity to the sea.

La Narbonnaise

- **La Narbonnaise En Méditerranée** (Parc Naturel Régional, 2003), GIS area: about 682 km² of which about 23 km² (3%) is considered as marine area → This corresponds largely to the Ayrolle pond which is open to the sea.
- **Les Étangs littoraux de la Narbonnaise** (Ramsar site, 2006): The Ramsar database indicates the presence of a habitat type "*Marine or coastal wetlands*" (*D: Rocky marine shores, E: Sand, shingle or pebble shores, J: Coastal brackish / saline lagoons*).
- **Complexe lagunaire de Bages-Sigean** (FR9101440), GIS area: about 95 km² of which about 16 km² (17%) is considered as marine area → This corresponds largely to the Ayrolle pond which is open to the sea. However, the site is not part of the French public maritime domain.
- **Étangs du Narbonnais** (FR9112007), GIS surface area: about 123 km² of which about 16 km² (13%) is considered as marine area → This largely corresponds to the Ayrolle pond which is open to the sea.

Aude

- **Basse Plaine De L'Aude** (Land acquired by the Conservatoire du Littoral, 1986), GIS area: about 15 km² of which about 1 km² (7%) is considered as marine area → This corresponds to the Pissevaches pond which is separated from the Mediterranean by a narrow barrier beach²⁰.
- **Basse plaine de l'Aude** (FR9101435), GIS area: about 45 km² of which about 2 km² (4%) is considered as marine area → This corresponds to the Pissevaches pond.
- **Basse plaine de l'Aude** (FR9110108), GIS area: about 48 km² of which about 2 km² (4%) is considered as marine area → This corresponds to the Pissevaches pond.

²⁰ https://fr.wikipedia.org/wiki/%C3%89tang_de_Pissevaches

Lapalme

- **Complexe lagunaire de Lapalme** (FR9101441), GIS area: about 19 km² of which about 4 km² (21%) is considered as marine area → This corresponds to a portion of sea along the site boundary following the coastline (muddy sandy beach).
- **Étang de Lapalme** (FR9112006), GIS area: about 39 km² of which about 4 km² (10%) is considered as marine area → This corresponds to a portion of sea along the site boundary following the coastline (muddy sandy beach).

Sainte-Lucie

- **Sainte-Lucie** (Land acquired by the Conservatoire du Littoral, 1983), GIS area: about 8 km² of which about 1.5 km² (19%) is considered as marine area → This is a saline area not connected to the marine environment²¹.
- **Sainte Lucie** (Regional Nature Reserve, 2009), GIS area: about 8 km² of which about 1.5 km² (19%) is considered as marine area → These are salt marshes not connected to the marine environment.

Palavas

- **Etang De Vic** (Land acquired by the Conservatoire du Littoral, 1979), GIS area: about 18 km² of which about 0.06 km² (0.3%) is considered as marine area → This corresponds to a very small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **Étangs palavasiens** (FR9101410), GIS area: about 66 km² of which about 0.06 km² (0.1%) is considered as marine area → This corresponds to a very small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **Étangs palavasiens et étang de l'Estagnol** (FR9110042), GIS area: about 66 km² of which about 0.06 km² (0.1%) is considered as marine area → This corresponds to a very small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **Étangs palavasiens** (Ramsar site, 2008): Although presenting marine habitats (*J: Coastal brackish / saline lagoons, E: Sand, shingle or pebble shores*), the site has limited connectivity with the sea.

Roccapina

- **Roccapina** (Land acquired by the Conservatoire du Littoral, 1977), GIS area: about 8 km² of which about 0.5 km² (6%) is considered marine area → This corresponds to the bay of Roccapina. However, this marine area does not seem to be managed²².
- **Roccapina-Ortolo** (FR9400593), GIS area: about 11 km² of which about 0.3 km² (0.3%) is considered marine area → This corresponds to a small portion of sea along the site boundary following the coastline.

Salses-Leucate

- **Complexe lagunaire de Salses** (FR9101463), GIS area: about 78 km² of which about 44 km² (56%) is considered marine area → This corresponds to the pond of

²¹ http://www.conservatoire-du-littoral.fr/siteLittoral/431/UTB_RESET/1/28-sainte-lucie-11_aude.htm

²² http://www.conservatoire-du-littoral.fr/siteLittoral/5/28-roccapina-2a_corse-du-sud.htm

Salses-Leucate. However, the site is not part of the French public maritime domain.

- **Complexe lagunaire de Salses-Leucate** (FR9112005), GIS area: about 77 km² of which about 44 km² (57%) is considered marine area → This corresponds to the pond of Salses-Leucate. However, the site is not part of the French public maritime domain.

Stagnolu

- **Ilots De Stagnolu Et Ziglione** (Arrêté de Protection de Biotope, 2000), GIS area: about 0.002 km² of which 100% is considered as marine area → This corresponds to two small emerged islets.
- **Delta de l'Oso, punta di Benedettu et Mura dell'Unda** (FR9400615), GIS area: about 1 km² of which about 0.1 km² (10%) is considered marine area → This corresponds to a small area of the bay of Stagnolu. However, the site is not part of the French public maritime domain.

Urbino

- **Cordon Dunaire D'Urbino** (Biotope Protection Order, 1998): Terrestrial site only.
- **Etang D'Urbino** (Land acquired by the Conservatoire du Littoral, 2007), GIS area: about 8 km² of which about 0.001 km² (0.013%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.
- **Etang d'Urbino** (Ramsar site, 2008): Although presenting marine habitats (*E: Sand, shingle or pebble shores, G: Intertidal mud, sand or salt flats, J: Coastal brackish / saline lagoons*), the site has limited connectivity with the sea.
- **Urbino** (FR9410098), GIS area: about 24 km² of which about 0.06 km² (0.3%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Non-marine wetland.

Some sites are not in CDDA :

Conservatoire du littoral

The Law of 27 February 2002²³ clarified the possibility of intervention by the Conservatoire du littoral²⁴ on the Public Maritime Domain. The logic of this law was to allow the establishment to intervene in the continuity of its terrestrial intervention on coastal issues by implementing its own integrated management system, notably of activities, in the areas concerned²⁵.

The Conservatoire's terrestrial sites are called "**Land acquired by the Conservatoire du Littoral**" because it is the owner as well as the manager. For the sake of consistency, it may be entrusted with the management of a marine area adjacent to one of its sites. These marine areas are called "**Public Maritime Domain (Conservatoire du Littoral)**".

²³ Law n° 2002-276 of 27 February 2002 on local democracy - Article 160

²⁴ Environmental Code - Article L322-6

²⁵ <http://www.aires-marines.fr/Les-aires-marines-protégées/Catégories-d-aires-marines-protégées/Domaine-public-maritime-du-Conservatoire-du-Littoral>

The CDDA database only contains "Land acquired by the Conservatoire du Littoral" sites. In cases where a "Maritime Public Domain (Conservatoire du Littoral)" site has been created, it has not been added to the database as a new site but its area has been added to the existing site. This creates a number of inconsistencies with the MPA France Portal, the national database of French MPAs²⁶:

Agriate

- **Agriate** (Land acquired by the Conservatoire du Littoral, 1979), GIS area: about 61 km² of which about 4 km² (7%) is considered as marine area → This corresponds to the marine site "Agriate". Terrestrial site only.
- **Agriate** (Public Maritime Domain (Conservatoire du littoral), 2006), GIS area: about 0.45 km² of exclusively marine area.

Alon

- **Port D'Alon - La Nartette** (Land acquired by the Conservatoire du Littoral, 1980), GIS area: about 3 km² of which about 0.8 km² (27%) is considered as marine area → This corresponds to the marine site "Port d'Alon-Nartette". Terrestrial site only.
- **Port d'Alon-Nartette** (Public maritime domain (Conservatoire du littoral), 2009), GIS area: about 1 km² of exclusively marine area.

Antibes

- **Batterie De Graillon** (Land acquired by the Conservatoire du Littoral, 2013), GIS area: about 1.7 km² of which about 1.4 km² (82%) is considered as marine area → This corresponds to the marine site "Cap d'Antibes". Terrestrial site only.
- **Cap d'Antibes** (Public Maritime Domain (Conservatoire du littoral), 2015), GIS area: about 1.64 km² of exclusively marine area.

Embiez

- **Archipel Des Embiez** (Land acquired by the Conservatoire du Littoral, 2011), GIS area: about 2.8 km² of which about 2.5 km² (89%) is considered as marine area → This corresponds to the marine site "Ile du Grand Rousseau - les Embiez". Terrestrial site only (the correct date is 1999).
- **Ile du Grand Rousseau - les Embiez** (Public maritime domain (Conservatoire du littoral), 1999), GIS area: about 2.7 km² of exclusively marine area (the correct date is 2011).

Esterel

- **Massif De L'Esterel** (Land acquired by the Conservatoire du Littoral, 1997), GIS area: about 14 km² of which about 3.3 km² (25%) is considered as marine area → This corresponds to the marine site "Parc Maritime Départemental Esterel-Théoule". Terrestrial site only.
- **Parc Maritime Départemental Esterel-Théoule** (Public Maritime Domain (Conservatoire du littoral), 2017), GIS area: about 3.53 km² of exclusively marine area.

Rayol

- **Domaine Du Rayol** (Land acquired by the Conservatoire du Littoral, 1989), GIS area: about 0.3 km² of which about 0.1 km² (33%) is considered as marine area → This corresponds to the marine site "Domaine du Rayol". Terrestrial site only.
- **Domaine du Rayol** (Public maritime domain (Conservatoire du littoral), 2010), GIS area: about 0.14 km² of exclusively marine area.

²⁶ http://www.amp.afbiodiversite.fr/accueil_fr

Taillat

- **Le Cap Taillat** (Land acquired by the Conservatoire du Littoral, 1987), GIS area: about 1.4 km² of which about 0.6 km² (43%) is considered as marine area → This corresponds to the marine site "Le Cap Taillat". Terrestrial site only.
- **Cap Taillat** (Public maritime domain (Conservatoire du littoral), 2010), GIS area: about 0.64 km² of exclusively marine area.

All the other sites of the Conservatoire du Littoral are considered as only terrestrial in the MPA France Portal :

- **Castagna** (Land acquired by the Conservatoire du Littoral, 2016), GIS area: about 0.04 km² of which about 0.004 km² (10%) is considered marine area → This corresponds to a small emerged islet. Although it is considered partially marine in the CDDA base, this site is only terrestrial.
- **Etangs De Villepey** (Land acquired by the Conservatoire du Littoral, 1982), GIS area: about 2.6 km² of which about 0.4 km² (15%) is considered as marine area → This corresponds to part of the ponds that are open to the sea. However, the site is not part of the French public maritime domain.
- **Palu - Gradugine** (Land acquired by the Conservatoire du Littoral, 1994), GIS area: about 9 km² of which about 1 km² (11%) is considered as marine area → This largely corresponds to the Palo pond which is open to the sea. However, the site is not part of the French public maritime domain (same observation concerning the Natura 2000 site "Étang de Palo et cordon dunaire").

Marine cave of Témuli Sagone

- **Grotte marine de Témuli Sagone** (Biotope Protection Order, 2000), GIS area: about 0.01 km² → It is a marine cave²⁷. As a result, the marine and terrestrial spaces are superimposed, making it impossible to calculate the GIS surface area. The CDDA base presents a GIS layer in a circle. The MPA France Portal presents a more precise polygon with a surface area of about 0.005 km² of which about 0.002 km² (40%) is considered as marine area.
- **Cavités à chauves-souris de Castifao, muracclole, Olmeta di Tuda et Coggia-Temuli** (FR9400613), GIS area: about 0.2 km² → These are several bat caves not open to the public. One of them is the marine cave of Temuli Sagone. There is therefore about 0.002 km² (1%) of marine area.

Blue Coast Marine Park

The Blue Coast Marine Park, named after the joint association in charge of its management, does not constitute, strictly speaking, an MPA with a national statute. Indeed, its perimeter corresponds to a concession to use the outbuildings of the public maritime domain, which includes two fishing cantons. This concession was attributed to the joint syndicate in December 2003 for a renewable period of 30 years²⁸.

This local public establishment is responsible for the management of the marine environment in front of the entire Blue Coast. The State has entrusted it with the management of the Natura 2000 "Côte Bleue Marine" site. In 2012, it was awarded the SPAMI label and in 2018 it was included on the IUCN Green List of protected and conserved areas. The detailed history of the marine park is available on their website²⁹.

²⁷ <https://inpn.mnhn.fr/espace/protege/FR3800578?lg=en>

²⁸ <https://parcmarincoitebleue.fr/Page%20a%20telecharger/dossierrenouvellementreservespmcb.pdf>

²⁹ <https://parcmarincoitebleue.fr/Page%20presentation/Presentation.htm>

Port-Cros National Park

- **Port-Cros** (National Park - core zone, 1963), GIS area: about 46 km² of which about 28 km² (61%) is considered as marine area → Internal zone partially marine.
- **Port-Cros** (National Park - adhesion area, 1963), GIS area: about 1298 km² of which about 1180 km² (91%) is considered as marine area → Internal zone partially marine.
- **Ilots De Port-Cros** (National Park - integral reserve, 2007), GIS area: about 0.6 km² of terrestrial area only.
- **Port-Cros** (National Park, 1963), GIS area: about 1473 km² of which about 1208 km² (82%) is considered as marine area → Partially marine site of the MPA France Portal. Similar to the union of the 3 zones of the CDDA database (larger terrestrial area).
- **Port-Cros** (Specially Protected Area of Mediterranean Importance, 2001), GIS area: about 20 km² of which about 13 km² (65%) is considered as marine area → Partially marine site of the MPA France Portal. Corresponds to the part of the "core zone" which is around the island of Port-Cros.

The Port-Cros National Park does not exist as such in the CDDA database, but only its large internal areas. The GIS layers of the National Park and the corresponding SPAMI were obtained from the MPA France Portal.

Calanques National Park

- **Calanques** (National Park - core zone, 2012), GIS area: about 519 km² of which about 432 km² (83%) considered as marine area → Internal zone partially marine.
- **Calanques** (National Park - adhesion area, 2012), GIS area: about 1002 km² of which about 973 km² (97%) considered as marine area → Internal zone partially marine.
- **Calanques** (National Park, 2012), GIS area: about 1521 km² of which about 1410 km² (97%) is considered as marine area → Partially marine site of the MPA France Portal. Identical to the union of the 2 zones of the CDDA database.
- **Calanques** (Specially Protected Area of Mediterranean Importance, 2017), GIS area: about 1410 km² of exclusively marine area → Marine only site of the MPA France Portal. Corresponds to the marine part of the National Park.

The Calanques National Park does not exist as such in the CDDA database, but only its large internal areas. The GIS layers of the National Park and the corresponding SPAMI were obtained from the MPA France Portal.

Table 17. Sites removed from the 2019 edition of MAPAMED for Greece

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
462	555539781	GR4310013	Not Applicable	ASTEROUSIA ORI (KOFINAS)	SPA	—	Terrestrial site
465	555539636	GR1270014	Not Applicable	CHERSONISOS SITHONIAS	SPA	—	Terrestrial site
478	555539772	GR4220030	Not Applicable	DYTIKI MILOS, ANTIMILOS, POLYAIGOS KAI NISIDES	SPA	—	Terrestrial site
486	555539710	GR2450009	Not Applicable	EVRYTERI PERIOCHI GALAXEIDIOU	SPA	—	Terrestrial site
498	555539679	GR2220006	Not Applicable	KEFALONIA: AINOS, AGIA DYNATI KAI KALON OROS	SPA	—	Terrestrial site
506	555527152	GR4330003	Not Applicable	KOURTALIOTIKO FARANGI - MONI PREVELI - EVRYTERI PERIOCHI	SAC	—	Terrestrial site
507	555539790	GR4330007	Not Applicable	KOURTALIOTIKO FARANGI, FARANGI PREVELI	SPA	—	Terrestrial site
515	555539617	GR1220009	Not Applicable	LIMNES KORONEIAS - VOLVIS, STENA RENTINAS KAI EVRYTERI PERIOCHI	SPA	—	Terrestrial site
517	555527160	GR4340006	Not Applicable	LIMNI AGIAS - PLATANIAS - REMA KAI EKVOLI KERITI - KOILADA FASA	SAC	—	Terrestrial site
523	555539680 555580298	GR2230001	Not Applicable	LIMNOTHALASSA ANTINIOTI (KERKYRA)	SPA_SAC	—	Terrestrial site
535	555539741	GR4130004	Not Applicable	NISIDA VENETIKO	SPA	—	Terrestrial site
536	555539728	GR4110008	Not Applicable	NISIDES KAI VRACHONISIDES LIMNOU: NISOS SERGITSI KAI NISIDES DIAVATES, KOMPIO, KASTRIA, TIGANI, KARKALAS, PRASONISI	SPA	—	Terrestrial site
543	555527091	GR2550003	Not Applicable	NISOI SAPIENTZA KAI SCHIZA, AKROTIRIO AKRITAS	SAC	—	Terrestrial site
547	555527146	GR4320003	Not Applicable	NISOS CHRYSI	SAC	—	Terrestrial site
551	555539788	GR4320017	Not Applicable	NISOS KOUFONISI, GYRO NISIDES KAI NISIDES KAVALLOI	SPA	—	Terrestrial site
554	555539716	GR2540008	Not Applicable	NOTIA MANI	SPA	—	Terrestrial site
557	555539730	GR4110010	Not Applicable	NOTIODYTIKI CHERSONISOS, APOLITHOMENO DASOS LESVOU	SPA	—	Terrestrial site
562	555539702	GR2420010	Not Applicable	OROS KANTILI	SPA	—	Terrestrial site
563	555539647	GR1420006	Not Applicable	OROS MAVROVOUNI	SPA	—	Terrestrial site
566	555539659	GR1430008	Not Applicable	OROS PILIO	SPA	—	Terrestrial site
579	555539738	GR4120008	Not Applicable	SAMOS: OROS KERKIS	SPA	—	Terrestrial site
588	555527138	GR4220018	Not Applicable	SYROS: OROS SYRINGAS EOS PARALIA	SAC	—	Terrestrial site
593	555539740	GR4130003	Not Applicable	VOREIA CHIOS	SPA	—	Terrestrial site

596	555539732	GR4110012	Not Applicable	VOREIA LESVOS	SPA	—	Terrestrial site
597	555539774	GR4220032	Not Applicable	VOREIA SYROS KAI NISIDES	SPA	—	Terrestrial site
598	555539773	GR4220031	Not Applicable	VOREIOANATOLIKI TINOS KAI NISIDES	SPA	—	Terrestrial site
599	555539782	GR4320009	Not Applicable	VOREIOANATOLIKO AKRO KRITIS	SPA	—	Terrestrial site
605	555539692	GR2320011	Not Applicable	YGROTOPOI KALOGRIAS-LAMIAS KAI DASOS STROFYLIAS	SPA	—	Terrestrial site

Table 18. Sites added in the 2019 edition of MAPAMED concerning Greece

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	341447	Not Applicable	Not Applicable	Alyki Dimou Naxou	Wildlife Refuge	2004	Partially marine site
	341863	Not Applicable	Not Applicable	Delta Axiou (Chalastros)	Wildlife Refuge	1988	Partially marine site
	341481	Not Applicable	Not Applicable	Delta Evrou Dimon Tražanoupolis Ferron	Wildlife Refuge	2001	Partially marine site
	341885	Not Applicable	Not Applicable	Fanari-Porto Lagos	Wildlife Refuge	1978	Partially marine site
	341427	Not Applicable	Not Applicable	Kompsatou Dimou Iasmou	Wildlife Refuge	2001	Partially marine site
	341462	Not Applicable	Not Applicable	Kotza Orman Nestou Dimou Topeirou	Wildlife Refuge	2001	Partially marine site
	341461	Not Applicable	Not Applicable	Limni Vistonida - Lagous Dimou Aviron	Wildlife Refuge	2001	Partially marine site
	341352	Not Applicable	Not Applicable	Oros Aigaleo Dimon Kamaterou, Petroupolis, Peristeriou, Chaždariou, Korydallou, Aigaleo kai Aspropyrgou	Wildlife Refuge	2001	Partially marine site
	341329	Not Applicable	Not Applicable	Tsairi Dimou Epanomis	Wildlife Refuge	2001	Partially marine site
	341871	Not Applicable	Not Applicable	Tsouraki-Gefyra (Amfipolis)	Wildlife Refuge	1976	Partially marine site
	341325	Not Applicable	Not Applicable	Vatatsa - Divari - Ormos Valtou - Drepano Dimou Igoumenitsas	Wildlife Refuge	2003	Partially marine site
	341380	Not Applicable	Not Applicable	Ygrotopoi kai nisia kolpou Atalantis	Wildlife Refuge	2006	Partially marine site
	341918	Not Applicable	Not Applicable	Ygrotopos kai akti Psalidiou Dimou Ko	Nature reserve area	2006	Partially marine site
	Not Assigned	Not Applicable	Not Applicable	Samaria	National Park	1962	Partially marine site
	555539750	GR4210021	Not Applicable	ANATOLIKO TMIMA ASTYPALEAS KAI NISIDES KOUNOUI, FTENO, CHONDROPOULO, KOYTSOMYTIS, MONI, AGIA KYRIAKI, TIGANI, CHONDRI, LIGNO, FOKIONISIA, KATSAGRELI, PONTIKOYSSA, FIDOYSSA, KTENIA KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539754	GR4210025	Not Applicable	ANATOLIKO TMIMA NISOU SYMIS KAI NISIDES KOULOUNDROS SESKLI, TROUPETO, MARMARAS,	SPA	—	Partially marine site

				KARAVALONISI, MEGALONISI, GIALESINO, OXEIA, CHONDROS, PLATY, NIMOS KAI THALASSIA PERIOCHI NISOU SYMIS			
	555539795	GR4340017	Not Applicable	CHERSONISOS GRAMVOUSAS KAI NISIDES IMERI KAI AGRIA GRAMVOUSA, PONTIKONISI KAI THALASSIA ZONI	SPA	—	Partially marine site
	555539784	GR4320011	Not Applicable	DIONYSADES NISOI KAI THALASSIA ZONI	SPA	—	Partially marine site
	555527088	GR2540003	Not Applicable	EKVOLES EVROTA, PERIOCHI VRONTAMA KAI THALASSIA PERIOCHI LAKONIKOU KOLPOU	SAC	—	Partially marine site
	555635589	GR3000018	Not Applicable	KANALI MAKRONISOU	SPA	—	Marine site
	555635585	GR2530007	Not Applicable	KORINTHIAKOS KOLPOS	pSCI	—	Marine site
	555527060	GR2330006	Not Applicable	LIMNOTHALASSA KOTYCHI, BRINIA	SAC	—	Partially marine site
	555539763	GR4220021	Not Applicable	MIKRES KYKLADES, VOREIOANATOLIKI AMORGOS, ANATOLIKES AKTES DONOUSAS, GYRO NISIDES KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539748	GR4210019	Not Applicable	NISIDES KALYMNOU: EPANO NERA, SARI, TELENDOS KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539729	GR4110009	Not Applicable	NISIDES LESVOU (SYMPLEGMA TOMARONISION, KODONAS, AGIOS GEORGIOS, GLARONISI, KLP) KAI THALASSIA PERIOCHI)	SPA	—	Partially marine site
	555635579	GR2420013	Not Applicable	NISIDES LICHADES KAI THALASSIA PERIOCHI	pSCI	—	Partially marine site
	555539769	GR4220027	Not Applicable	NISIDES MYKONOU: RINEIA, CHTAPODIA, KAI TRAGONISI KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539720	GR3000011	Not Applicable	NISIDES MYRTOOU PELAGOUS: FALKONERA,VELOPOULA, ANANES KAI THALASSIA ZONI	SPA	—	Partially marine site
	555539767	GR4220025	Not Applicable	NISIDES PAROU KAI NOTIA ANTIPAROS KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539701	GR2420009	Not Applicable	NISIDES SKYROU KAI THALASSIA PERIOCHI	SPA	—	Partially marine site

	555539678	GR2210004	Not Applicable	NISIDES STAMFANI KAI ARPYIA (STROFADES) KAI THALASSIA ZONI	SPA	—	Partially marine site
	555539749	GR4210020	Not Applicable	NISOI KINAROS KAI LEVITHA KAI NISIDES LIADIA, PLAKA, GLAROS, MAVRA KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539755	GR4210026	Not Applicable	NISOS CHALKI KAI NISIDES: KOLOFONA, PANO PRASSOUDA, TRAGOUSA, STRONGYLI, AGIOS THEODOROS, MAELONISI ALIMIA, KREVVATI, NISAKI, MAKRY KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539736	GR4120006	Not Applicable	NISOS FOURNOI KAI NISIDES THYMAINA ALATONISI, THYMAINAKI, STRONGYLO, PLAKA, MAKRONISI, MIKROS KAI MEGALOS ANTHROPOFAGOS, AGIOS MINAS KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539757	GR4210028	Not Applicable	NISOS KASOS KAI SYMPLEGMA KASONISION KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539753	GR4210024	Not Applicable	NISOS TILOS KAI NISIDES: ANTITILOS, PELEKOUSA, GAIDOURONISI, GIAKOUMIS, AGIOS ANDREAS, PRASOUDA, NISI KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555539801	GR4340023	Not Applicable	NOTIODYTIKI GAVDOS KAI GAVDOPOULA KAI THALASSIA PERIOCHI	SPA	—	Partially marine site
	555527086	GR2540001	Not Applicable	ORI GIDOVOUNI, CHIONOVOUNI, GAIDOUROVOUNI, KORAKIA, KALOGEROVOUNI, KOULOCHERA KAI PERIOCHI MONEMVASIAS SPILAIO SOLOMOU TRYPA KAI PYRGOS AG. STEFANOY KAI THALASSIA ZONI EOS AKROTIRIO KAMILI	SAC	—	Partially marine site
	555635588	GR3000017	Not Applicable	PARAKTIA KAI THALASSIA ZONI MAKRONISOU	pSCI	—	Partially marine site
	555635596	GR4220034	Not Applicable	PARAKTIA KAI THALASSIA ZONI VOREIAS ANAFIS	pSCI	—	Partially marine site
	555635578	GR2230010	Not Applicable	THALASSIA PERIOCHI DIAPONTION NISON	pSCI	—	Marine site

555635599	GR4340024	Not Applicable	THALASSIA PERIOCHI DYTIKIS KAI NOTIODYTIKIS KRITIS	pSCI	—	Marine site
555635593	GR4110016	Not Applicable	THALASSIA PERIOCHI DYTIKIS LESVOU	SPA	—	Marine site
555635580	GR2420014	Not Applicable	THALASSIA PERIOCHI KAI YFALOI VOREIOANATOLIKIS EVVOIAS	pSCI	—	Marine site
555635570	GR1150014	Not Applicable	THALASSIA PERIOCHI KAVALAS - THASOU	SPA_pSCI	—	Marine site
555635598	GR4220036	Not Applicable	THALASSIA PERIOCHI KOLOUMVO	pSCI	—	Marine site
555635590	GR3000019	Not Applicable	THALASSIA PERIOCHI KYTHIRON	SPA	—	Marine site
555635592	GR4110015	Not Applicable	THALASSIA PERIOCHI NISIDON TOKMAKIA	pSCI	—	Marine site
555635587	GR2550010	Not Applicable	THALASSIA PERIOCHI NOTIAS MESSINIAS	pSCI	—	Marine site
555635594	GR4210033	Not Applicable	THALASSIA PERIOCHI NOTIAS PATMOU	pSCI	—	Marine site
555635582	GR2420016	Not Applicable	THALASSIA PERIOCHI NOTIOU EVVOIKOU KOLPOU	SPA	—	Marine site
555635584	GR2510005	Not Applicable	THALASSIA PERIOCHI PAFSANIA - YPOTHALASSIA IFAISTEIA METHANON	pSCI	—	Marine site
555635568	GR1110013	Not Applicable	THALASSIA PERIOCHI THRAKIS	pSCI	—	Marine site
555635586	GR2540009	Not Applicable	THALASSIA ZONI NOTIAS MANIS	pSCI	—	Marine site
555635572	GR1270016	Not Applicable	THALASSIA ZONI ANATOLIKA KAI NOTIA CHERSONISOU ATHONA	SPA	—	Marine site
555635581	GR2420015	Not Applicable	THALASSIA ZONI ANATOLIKIS EVVOIAS APO AKRA OKTONIA EVVOIAS EOS ZARAKES	pSCI	—	Marine site
555635597	GR4220035	Not Applicable	THALASSIA ZONI ANDROU	pSCI	—	Marine site
555635576	GR2220007	Not Applicable	THALASSIA ZONI APO ARGOSTOLI EOS ORMO MOUNTA	pSCI	—	Marine site
555635571	GR1270015	Not Applicable	THALASSIA ZONI CHERSONISOU ATHONA	pSCI	—	Marine site
555635575	GR1430009	Not Applicable	ΑΡΓΚΟΣ ΤΣΟΥΓΚΡΙΑΚΙ, ΑΡΓΚΟΣ, ΑΡΓΚΟΣ, ΜΑΡΑΓΚΟΣ, ΣΚΟΠΕΛΟΥ, ΣΚΙΑΘΟΥ ΑΣΠΡΟΝΗΣΟΣ ΜΑΡΑΓΚΟΣ ΝΗΣΩΝ ΡΕΠΙ ΑΣΠΡΟΝΗΣΟΣ ΡΕΠΙ	SPA	—	Partially marine site
555635595	GR4210034	Not Applicable	ΘΑΛΑΣΣΙΑ ΝΗΣΙΔΕΣ ΚΑΙ ΘΑΛΑΣΣΙΑ ΝΗΣΙΔΕΣ	SPA	—	Partially marine site
555635591	GR3000020	Not Applicable	ΚΟΛΠΟΥ ΚΟΛΠΟΥ ΚΟΛΠΟΥ ΣΑΡΩΝΙΚΟΥ ΝΗΣΙΔΕΣ ΘΑΛΑΣΣΙΑ	SPA	—	Partially marine site

The following designations for Greece in the CDDA database are not taken into account. As a reminder, only the external perimeters of the MPAs are taken into account (not the internal areas, even if they meet the other selection criteria):

- *Absolute Nature Reserve area* (internal terrestrial areas)
- *Absolute nature reserve zones* (internal zones)
- *Aesthetic Forest* (terrestrial sites)
- *Controlled hunting area* (not protected areas)
- *Game breeding station* (not protected areas)
- *Natural Monuments and landmarks (protected as strict nature reserve)* (terrestrial sites)
- *Nature reserve zones* (internal areas)
- *Others* (internal areas)
- *Peripheral zones* (internal areas)
- *Protected Forest* (terrestrial sites)
- *Protected significant natural formation, protected landscape and landscape elements* (terrestrial sites).

The following sites are presented as terrestrial only in CDDA :

- **Alyki Dimou Naxou** (Refuge de Vie Sauvage, 2004), GIS area: about 2 km² of which about 0.1 km² (5%) is considered as marine area → This corresponds to a small marine area.
- **Oros Aigaleo Dimon Kamaterou, Petroupolis, Peristeriou, Chałdariou, Korydallou, Aigaleo kai Aspropyrgou** (Refuge de Vie Sauvage, 2001), GIS area: about 20 km² of which about 0.2 km² (1%) is considered as marine area → This corresponds to a small marine area.
- **Tsouraki-Gefyra (Amfipolis)** (Refuge de Vie Sauvage, 1976), GIS area: about 1.5 km² of which about 0.1 km² (7%) is considered as marine area → This corresponds to a small marine area.

The following sites are presented as only terrestrial in the Natura 2000 database:

- **EKVOLES (DELTA) KALAMA** (GR2120001), GIS area: about 86 km² of which about 14 km² (16%) is considered as marine area → This corresponds to a marine area around the Kalama delta.
- **LIMNOTHALASSA KOTYCHI, BRINIA** (GR2330006), GIS area: about 13 km² of which about 5 km² (39%) is considered as marine area → This corresponds to the Kotychi lagoon which is open to the sea.
- **YGROTOPOS EKVOLON KALAMA KAI NISOS PRASOUDI** (GR2120005), GIS area: about 86 km² of which about 14 km² (16%) is considered as marine area → This corresponds to a marine area around the Kalama Delta.

Some geographical areas combine several sites with national, regional or international status:

Alonnisos

- **Ethniko Thalassio Parko Alonnisou Voreion Sporadon** (Marine National Park, 1992) → Mainly marine site.
- **Zones A1 kai A6 periochis A Ethnikou Thalassiou Parkou Alonnisou Voreion Sporadon** (Nature Reserve in a Marine National Park, 1992) → Internal zone mainly marine.
- **Zones A2, A3, A4, A5 kai A7 periochis A Ethnikou Thalassiou Parkou Voreion Sporadon** (Nature Reserve in a Marine National Park, 1992) → Internal zone partially marine.
- **Zoni A9: Periochi Eidikon Rythmiseon Ethnikou Thalassiou Parkou Alonnisou Voreion Sporadon** (Others [special regulation], 1992) → Internal zone marine only.
- **Zoni Oikistikon Rythmiseon B2 kai B3 kai Zoni B4 Ethnikou Thalassiou Parkou Alonnisou Voreion Sporadon** (Others [residential], 1992) → Internal zone marine only.
- **Zoni A8: Periochi Eidikon Rythmiseon Ethnikou Thalassiou Parkou Alonnisou Voreion Sporadon** (Others [?], 1992) → Internal zone marine only.
- **Zoni Eidikon Rythmiseon B1 Ethnikou Thalassiou Parkou Alonnisou Voreion Sporadon** (Others [special], 1992) → Internal zone marine only.
- **Diaselo Dimou Alonnisou** (Refuge de Vie Sauvage, 2001) → Terrestrial site only.

Amvrakikos

- **Ethniko Parko Ygrotopon Amvrakikou** (National Park, 2008) → Partly marine site.
- **Ethniko Parko Ygrotopon Amvrakikou - Periochi prostasias tis fysis** (Nature Reserve in a National Park, 2008) → Internal zone partially marine (Zone A).
- **Ethniko Parko Ygrotopon Amvrakikou (Zoni B: Periochi Eidikon Rythmiseon)** (Others [special regulation], 2009) → Internal zone partially marine.
- **Periochi Perivallontikou Elegchou Ethnikou Parkou Ygrotopon Amvrakikou (Zoni C)** (National Park - Peripheral Zone, 2009) → Internal zone partially marine.

Axios

- **Delta Aliakmona (Kleidiou)** (Refuge de Vie Sauvage, 1981) → Terrestrial site only.
- **Alyki Kitrous (Pydnas)** (Wildlife Refuge, 1988) → Terrestrial site only.
- **Delta Axiou (Chalastras)** (Wildlife Refuge, 1988) → Partly marine site.
- **Stergios-Aliakmonas (Aiginiou)** (Refuge de Vie Sauvage, 1997) → Terrestrial site only.
- **Ethniko Parko Gallikou, Axiou, Loudia, Aliakmona, Alykis Kitrous, Limnothalassas Kalochoriou** (National Park, 2009) → Partially marine site.
- **Ethniko Parko Axiou - Perioches Apolytis Prostrasias tis Fysis AP1, AP2, AP3, AP4** (Absolute Nature Reserve in a National Park, 2009) → Internal zone mainly terrestrial.
- **Ethniko Parko Axiou - Perioches Prostrasias tis Fysis B1, B2, B3, B4, B5, B6, B7** (Nature Reserve in a National Park, 2009) → Terrestrial zone only.
- **Ethniko Parko Axiou - Perioches Prostrasias tis Fysis PD1, PD2, PD3, PD4** (Nature Reserve in a National Park, 2009) → Internal zone partially marine.
- **Ethniko Parko Axiou - Periochi Prostrasias tis Fysis PA** (Nature Reserve in a National Park, 2009) → Partly marine zone.
- **Ethniko Parko Axiou - Perioches georgikon kalliergeion C1, C2, C3, C4, C5, C6** (Others [agricultural crops], 2009) → Terrestrial zone only (rice fields).

Evros

- **Ethniko ygrotopiko parko delta Evrou** (National Park, 1977) → Partly marine site.
- **Delta Evrou Dimon Tražanoupolis Ferron** (Wildlife Refuge, 2001) → Partly marine site.
- **Ethniko ygrotopiko parko delta Evrou - Periochi prostasias tis fysis - zoni A** (Nature Reserve in a National Park, 2007) → Internal zone partially marine.
- **Ethniko ygrotopiko parko delta Evrou - Periochi prostasias tis fysis - zoni B** (Nature Reserve in a National Park, 2007) → Internal zone partially marine.
- **Ethniko ygrotopiko parko delta Evrou - Periochi prostasias tis fysis - Zoni C** (Nature Reserve in a National Park, 2007), GIS area: about 52 km² of which about 3 km² (6%) is considered as marine area → Internal zone mainly terrestrial.
- **Ethniko ygrotopiko parko delta Evrou - Zoni I** (Others, 2007) → Terrestrial zone only.
- **Ethniko ygrotopiko parko delta Evrou - Zoni TH** (Others, 2007) → Internal zone partially marine.

Kalama

- **Vatatsa - Divari - Ormos Valtou - Drepano Dimou Igoumenitsas** (Refuge de Vie Sauvage, 2003) → Partly marine site.
- **Perioches Prostrasias tis Fysis Stenon kai Ekvolon Acheronta kai Kalama kai Elous Kalodikiou kai Perifereiaki Zoni** (Nature Reserve, 2009) → Partly marine site.

Kotychi

- **Kotychi lagoons** (Ramsar site, 1975) : The Ramsar database indicates the presence of a “*marine or coastal wetlands*” habitat (A: *Permanent shallow marine waters*, H: *Intertidal marshes*, E: *Sand, shingle or pebble shores*, J: *Coastal brackish / saline lagoons*).
- **Viotopos Dasous Strofylas - Limnis Prokopou-Lamias Dimou Larissou** (Refuge de Vie Sauvage, 2002), GIS area: about 27 km² of which about 0.6 km² (2%) is considered as marine area → This corresponds to a small portion of sea along the boundary of the site following the coastline.
- **Ethniko Parko Ygrotopon Kotychiou - Strofylas** (National Park], 2009) → Partly marine site.
- **Ethniko Parko ygrotopon Kotychiou - Strofylas, Zoni A - Periochi Prostrasias tis Fysis** (Nature Reserve in a National Park, 2009) → Internal zone partially marine.
- **Ethniko Parko ygrotopon Kotychiou - Strofylas, Zoni B- Perifereiaki zoni prostasias** (National Park - Peripheral Zone, 2009) → Terrestrial zone only.
- **Ethniko Parko ygrotopon Kotychiou - Strofylas, Zoni A1** (Others, 2009) → Terrestrial zone only.
- **Ethniko Parko ygrotopon Kotychiou - Strofylas, Zoni B1** (Others, 2009) → Terrestrial zone only.

Makedonias

- **Anatoliko Tmima nisou Astypalaias kai gyrothen nisides** (Refuge de Vie Sauvage], 2001) → Terrestrial site only.
- **Lefka Ori Anatolikou Selinou kai Sfakion** (Refuge de Vie Sauvage, 2001) → Terrestrial site only.
- **Ethniko Parko Anatolikis Makedonias kai Thrakis** (National Park, 2008) → Mainly terrestrial site.
- **Ethniko Parko Anatolikis Makedonias kai Thrakis - Periochi prostasias tis fysis** (Nature Reserve in a National Park, 2008) → Internal zone partially marine.
- **Prostatevomena topia Ethnikou Parkou Anatolikis Makedonias kai Thrakis** (Others [protected landscapes], 2008) → Internal zone mainly terrestrial.

- **Periochi oikoanaptixis Ethnikou Parkou Anatolikis Makedonias kai Thrakis** (Others [eco-development], 2008) → Internal zone mainly terrestrial.

Lake Vistonis, Porto Lagos, Lake Ismaris & adjoining lagoons

- **Lake Vistonis, Porto Lagos, Lake Ismaris & adjoining lagoons** (Site Ramsar, 1975) : The Ramsar database indicates the presence of a "*Marine or coastal wetlands*" habitats (J: *Coastal brackish / saline lagoons*, H: *Intertidal marshes*, E: *Sand, shingle or pebble shores*, D: *Rocky marine shores*, A: *Permanent shallow marine waters*).
- **Fanari-Porto Lagos** (Wildlife Refuge, 1978) → Partly marine site.
- **Karatza Dimou Aigeirou** (Refuge de Vie Sauvage, 2001) → No connection to the sea.
- **Kompsatou Dimou Iasmou** (Refuge de Vie Sauvage, 2001) → Partly marine site.
- **Limni Vistonida - Lagous Dimou Avdiron** (Refuge de Vie Sauvage, 2001) → Partly marine site.
- **Ptelea Dimou Aigeirou** (Refuge de Vie Sauvage, 2001) → No connection to the sea.
- **Xirolimni Dimou Aigeirou** (Refuge de Vie Sauvage, 2001) → No connection to the sea.

Nestos delta & adjoining lagoons

- **Nestos delta & adjoining lagoons** (Site Ramsar, 1975) : The Ramsar database indicates the presence of a "*Marine or coastal wetlands*" habitats (A: *Permanent shallow marine waters*, F: *Estuarine waters*, G: *Intertidal mud, sand or salt flats*, E: *Sand, shingle or pebble shores*, D: *Rocky marine shores*, H: *Intertidal marshes*).
- **Kotza Orman Nestou Dimou Topeirou** (Refuge de Vie Sauvage, 2001), GIS area: about 83 km² of which about 2 km² (2%) is considered marine area → This corresponds to small plots of marine space.

Marathona

- **Ethniko Parko Schinia Marathona** (National Park, 2000) → Partly marine site.
- **Zones A1, A2, A3, A4 kai A5 Ethnikou Parkou Schinia - Marathona** (Nature Reserve in the National Park, 2000) → Internal zone partially marine.

Mesolongi

- **Ethniko Parko limnothalasson Mesolongiou - Aitolikou, kato rou kai ekvolon Achelou kai Evinou kai nison Echinadon** (National Park, 2006) → Partially marine site.
- **Zones apolytis prostasias AP1, AP2, AP3 kai AP4 Ethnikou Parkou limnothalasson Mesolongiou** (Absolute Nature Reserve in a National Park, 2006) → Internal zone partially marine.
- **Zones prostasias tis fysis PF1, PF2, PF3 kai PF4 Ethnikou Parkou limnothalasson Mesolongiou** (Nature Reserve in a National Park, 2006) → Internal zone partially marine.
- **Perifereiakes perioches PP1, PP2, PP3, PP4, PP5, PP6, PP7 kai Perifereiaki zoni Ethnikou Parkou Mesolongiou** (National Park - Peripheral Zone, 2006) → Internal zone mainly terrestrial.

Samaria

- **Samaria** (National Park, 1962), GIS area: about 585 km² of which about 44 km² (8%) is considered as marine area → Partially marine site.
- **Samaria** (Central area in a National Park, 1962) → Internal zone only terrestrial.

Only the central area is in the CDDA database³⁰. The GIS layer of the entire Park has been retrieved from the Samaria National Park management body³¹.

Zakynthos

- **Ethniko Thalassio Parko Zakynthou** (Marine National Park, 1990) → Partly marine site.
- **Strofades Dimou Zakynthion** (Refuge de Vie Sauvage, 2001) → Terrestrial site only.
- **Zoni A1 Ethnikou Thalassiou Parkou Zakynthou** (Absolute Nature Reserve in a Marine National Park, 2003) → Terrestrial zone only.
- **Zones A2, A3, Ia, Ib, P1, P2, P3, Y, kai Y' Ethnikou Thalassiou Parkou Zakynthou** (Nature Reserve in a Marine National Park, 2003) → Internal zone partially marine.
- **Perifereiaki zoni tou Ethnikou Thalassiou Parkou Zakynthou** (Marine National Park - Peripheral Zone, 2003) → Internal zone only terrestrial.
- **Prostatevomena topia F1, F1', F2 kai F3 Ethnikou Thalassiou Parkou Zakynthou** (Others [protected landscapes], 2003) → Terrestrial zone only.

Some sites are not in CDDA :

Gyaros Marine Wildlife Refuge

The coastline of Gyaros has been digitised on QGIS 2.8.5 using the Bing aerial map base (DigitalGlobe 2016) and a buffer zone of 3 nautical miles has been created around the island, in accordance with Decision No. 91881 (24 December 2015) of the Secretary General of the Decentralised Administration of the Aegean Sea establishing the Marine Wildlife Refuge³².

³⁰ <https://www.protectedplanet.net/search?q=samaria>

³¹ <https://www.samaria.gr/en/map-of-protection-zones/>

³² Ίδρυση Θαλάσσιου Καταφυγίου Καταφυγίου Άγριας Ζωής (ΚΑΖ) στην θαλάσσια ζώνη πέριξ της Γυάρου, Περιφερειακής Ενότητας Σύρου

Table 19. Sites removed from the 2019 edition of MAPAMED for Croatia

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
149	378049	Not Applicable	Not Applicable	Sjeverozapadni dio Dugog otoka	Significant Landscape	1967	Terrestrial site
1343	555578739	HR3000340	Not Applicable	Batista jama (Bijaka)	SCI	—	Marine site, terrestrial GIS layer
1504	555578520	HR2001428	Not Applicable	Hvar - od Maslinice do Grebišća	SCI	—	Terrestrial site
1503	555578517	HR2001425	Not Applicable	Hvar - od Prapatna do Karnjakuše	SCI	—	Terrestrial site
83	Not Assigned	HR3000423	Not Applicable	Jabučka kotlina	SCI	—	Site does not exist
1342	555578738	HR3000331	Not Applicable	Jama Bač II	SCI	—	Marine site, terrestrial GIS layer
1341	555578737	HR3000319	Not Applicable	Jama Gradina	SCI	—	Marine site, terrestrial GIS layer
1346	555578742	HR3000376	Not Applicable	Jama Stračinčica	SCI	—	Marine site, terrestrial GIS layer
1338	555578734	HR3000257	Not Applicable	Jama Vrtare Male	SCI	—	Marine site, terrestrial GIS layer
1347	555578743	HR3000381	Not Applicable	Jama Zaglavica	SCI	—	Marine site, terrestrial GIS layer
95	555578249	HR2000911	Not Applicable	Kolansko blato - Blato Rogoza	SCI	—	Terrestrial site
1350	555578765	HR3000447	Not Applicable	Markova jama	SCI	—	Marine site, terrestrial GIS layer
178	555578455	HR2001359	Not Applicable	Otok Rab	SCI	—	Terrestrial site
182	555578263	HR2000942	Not Applicable	Otok Vis	SCI	—	Terrestrial site
219	555578434	HR2001337	Not Applicable	Područje oko Rafove (Zatonske) špilje	SCI	—	Terrestrial site
227	555578796	HR4000005	Not Applicable	Privlaka - Ninski zaljev - Ljubački zaljev	SCI	—	Terrestrial site
246	555578456	HR2001360	Not Applicable	Šire rovinjsko područje	SCI	—	Terrestrial site
1325	555578477	HR2001384	Not Applicable	Solana Dinjiška	SCI	—	Terrestrial site
248	555578748	HR3000421	Not Applicable	Solana Nin	SCI	—	Terrestrial site
249	555578766	HR3000450	Not Applicable	Solana Pag	SCI	—	Terrestrial site
250	555578720	HR3000167	Not Applicable	Solana Ston	SCI	—	Salt works without marine habitat
1344	555578740	HR3000349	Not Applicable	Špilja Matijaševica	SCI	—	Marine site, terrestrial GIS layer
290	555578797	HR4000006	Not Applicable	Uvala Plemići	SCI	—	Terrestrial site
1334	555578728	HR3000177	Not Applicable	Zmajevo oko	SCI	—	Terrestrial site
1348	555578744	HR3000414	Not Applicable	Zmajevo uho	SCI	—	Marine site, terrestrial GIS layer

Table 20. Sites added in the 2019 edition of MAPAMED concerning Croatia

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	377978	Not Applicable	Not Applicable	Donji Kamenjak i Medulinski arhipelag	Significant Landscape	1973	Partially marine site
	349962	Not Applicable	Not Applicable	Krka - donji tok	Significant Landscape	1968	Marine site
	81197	Not Applicable	Not Applicable	Medvidina Pecina	Natural Monument	1967	Partly marine site (marine cave)
	Not Assigned	Not Applicable	Not Applicable	Neretva Delta	Special Reserve	2020	New site
	16516	Not Applicable	Not Applicable	Rijeka Dubrovačka	Significant Landscape	1964	Partially marine site

	81199	Not Applicable	Not Applicable	Zelena Spilja	Natural Monument	1967	Partly marine site (marine cave)
	81173	Not Applicable	Not Applicable	Zræe	Significant Landscape	1988	Partially marine site
	555623573	HR3000477	Not Applicable	Grebeni u Jabučkoj kotlini	pSCI	—	Marine site
	555577740	HR1000026	Not Applicable	Krka i okolni plato	SPA	—	Partially marine site
	Not Applicable	Not Applicable	Not Applicable	Jabuka/Pomo Pit	Protection of Essential Fish Habitats (EFH)	2020	New site (partly in Italy)

The following designations for Croatia in the CDDA database are not taken into account as they only concern terrestrial sites:

- Forest Park
- Horticultural Monument

The following sites are presented as terrestrial only in CDDA :

- **Modra spilja** (Natural Monument, 1951), GIS area: about 0.02 km² of which about 0.003 km² (15%) is considered marine area → The Blue Cave (in Croatian: *Modra Špilja*), is a partially submerged marine cave³³. As a result, the marine and terrestrial areas are superimposed, making a GIS calculation of the areas impossible.

The following sites are presented as only terrestrial in the Natura 2000 database:

- **Solana Ston** (HR3000167), GIS area: about 0.46 km² of which about 0.37 km² (80%) is considered as marine area → These are salt marshes connected to the marine environment but which do not seem to present any marine habitats.
- **Zaljev Soline - otok Krk** (HR4000029), GIS area: about 0.12 km² of which about 0.09 km² (75%) is considered as marine area → These are salt marshes connected to the marine environment but which do not seem to have any marine habitats.

The following sites are presented as totally or partially marine in CDDA :

- **Dolina Blaca** (Paysage Significatif, 1986), GIS area: about 2 km² of which about 0.06 km² (3%) is considered marine area → This corresponds to the Bay of Blaca which is included in the site according to CDDA. However, the management objectives seem to be exclusively terrestrial.
- **Donji Kamenjak i Medulinski arhipelag** (Significant Landscape, 1973), GIS area: about 4 km² of which about 0.3 km² (7.5%) is considered marine area → This corresponds to small patches of marine space.

The following sites are presented as marine only in the Natura 2000 database. However, their GIS layer consists of a terrestrial only circle. These sites cannot be included in MAPAMED in their current state: **Batista jama (Bijaka)** (HR3000340), **Jama Bač II** (HR3000331), **Jama Gradina** (HR3000319), **Jama Stračinčica** (HR3000376), **Jama Vrtare Male** (HR3000257), **Jama Zaglavica** (HR3000381), **Markova jama** (HR3000447), **Špilja Matijaševica** (HR3000349) and **Zmajevo uho** (HR3000414).

³³ [https://en.wikipedia.org/wiki/Blue_Grotto_\(Bi%C5%A1evo\)](https://en.wikipedia.org/wiki/Blue_Grotto_(Bi%C5%A1evo))

Some geographical areas combine several sites with national, regional or international status:

Krka

- **Krka - donji tok** (Significant Landscape, 1968), GIS area: about 15 km² of which 100% is considered as marine area → This corresponds to the marine lake of Prokljan, located in the ria of the river Krka³⁴.
- **Krka** (National Park, 1985), GIS area: about 111 km² of which about 0.2 km² (0.2%) is considered marine area → This corresponds to a very small part of the end of the marine lake of Prokljan.
- **Krka i okolni plato** (HR1000026), GIS area: about 877 km² of which about 13 km² (1.5%) is considered as marine area → This corresponds to the marine lake of Prokljan.
- **Šire područje NP Krka** (HR2000918), GIS area: about 132 km² of which about 0.2 km² (0.2%) is considered marine area → This corresponds to a very small part of the end of the marine Lake Prokljan.

³⁴ A ria corresponds to the submersion of an estuary by the sea: https://en.wikipedia.org/wiki/Krka_National_Park#Ria

Table 21. Sites removed from the 2019 edition of MAPAMED concerning Israel

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
610	17780	Not Applicable	Not Applicable	Akhziv	National Park	1968	Terrestrial site
615	Not Assigned	Not Applicable	Not Applicable	Rosh Hanikra Islands	Nature Reserve	1965	Absorbed by a new site
614	Not Assigned	Not Applicable	Not Applicable	Rosh Hanikra—Akhziv	Marine Protected Area	2005	Absorbed by a new site

Table 22. Sites added in the 2019 edition of MAPAMED concerning Israel

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
1744	Not Assigned	Not Applicable	Not Applicable	Yam Rosh HaNikra - Akhziv	Nature Reserve	2019	New site
	555651616	Not Applicable	Not Applicable	Holot Nizzanim	Nature Reserve	2005	Partially marine site

Table 23. Sites removed from the 2019 edition of MAPAMED for Italy

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
634	555529986	ITB042209	Not Applicable	A Nord di Sa Salina (Calasetta)	SAC	—	Terrestrial site
681	555540467 555580568	IT6040022	Not Applicable	Costa rocciosa tra Sperlonga e Gaeta	SPA_SAC	—	Terrestrial site
683	555540517	IT8050048	Not Applicable	Costa tra Punta Tresino e le Ripe Rosse	SPA	—	Terrestrial site
693	555529310	IT7222216	Not Applicable	Foce Biferno - Litorale di Campomarino	SAC	—	Terrestrial site
697	555529311	IT7222217	Not Applicable	Foce Saccione - Bonifica Ramitelli	SAC	—	Terrestrial site
806	555529719	ITA010001	Not Applicable	Isole dello Stagnone di Marsala	SAC	—	Terrestrial site
837	555530002	ITB042243	Not Applicable	Monte Sant'Elia, Cala Mosca E Cala Fighera	SCI	—	Terrestrial site
867	555529996	ITB042233	Not Applicable	Punta di Santa Giusta (Costa Rei)	SAC	—	Terrestrial site
875	555529963	ITB032239	Not Applicable	San Giovanni di Sinis	SAC	—	Terrestrial site
916	555529995	ITB042231	Not Applicable	Tra Forte Village E Perla Marina	SAC	—	Terrestrial site
917	555529985	ITB042208	Not Applicable	Tra Poggio la Salina e Punta Maggiore	SAC	—	Terrestrial site
1253	68048	Not Applicable	128	Lago dei Monaci	Ramsar site	1976	Non-marine wetland
1239	68045	Not Applicable	125	Lago di Burano	Ramsar site	1976	Non-marine wetland
1255	68049	Not Applicable	129	Lago di Caprolace	Ramsar site	1976	Non-marine wetland
1241	68047	Not Applicable	127	Lago di Fogliano	Ramsar site	1976	Non-marine wetland
1242	68050	Not Applicable	130	Lago di Sabaudia	Ramsar site	1976	Non-marine wetland
1240	68044	Not Applicable	124	Laguna di Orbetello	Ramsar site	1976	Non-marine wetland
1228	68078	Not Applicable	423	Laguna di Venezia: Valle Averno	Ramsar site	1989	Non-marine wetland
1254	903035	Not Applicable	1664	Oasi di Castelvolturno o Variconi	Ramsar site	2006	Wetland not connected to the sea
1231	68069	Not Applicable	227	Ortazzo e Ortazzino	Ramsar site	1981	Non-marine wetland
1238	68082	Not Applicable	522	Palude della Diaccia Botrona	Ramsar site	1991	Non-marine wetland
1256	Not Assigned	Not Applicable	Not Reported	Palude di Capo Feto	Ramsar site	2011	Non-marine wetland
1232	68068	Not Applicable	226	Piallassa della Baiona e Riseqa	Ramsar site	1981	Non-marine wetland
1234	68070	Not Applicable	228	Saline di Cervia	Ramsar site	1981	Non-marine wetland
1243	68062	Not Applicable	191	Saline di Margherita di Savoia	Ramsar site	1979	Non-marine wetland
1250	68053	Not Applicable	133	Stagno di Molentargius	Ramsar site	1976	Non-marine wetland
1251	68059	Not Applicable	180	Stagno di Pauli Maiori	Ramsar site	1979	Non-marine wetland
1246	68052	Not Applicable	132	Stagno di S'Ena Arrubia	Ramsar site	1976	Non-marine wetland
1230	68056	Not Applicable	169	Valle Cavanata	Ramsar site	1978	Non-marine wetland
1237	68067	Not Applicable	225	Valli residue del comprensorio di Comacchio	Ramsar site	1981	Non-marine wetland

Table 24. Sites added in the 2019 edition of MAPAMED for Italy

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	555691182	<i>Not Applicable</i>	<i>Not Applicable</i>	Capo Milazzo	Marine Protected Area	2018	New site
	555641768	<i>Not Applicable</i>	<i>Not Applicable</i>	Capo Testa - Punta Falcone	Marine Protected Area	2018	New site (GIS corrected)
	178990	<i>Not Applicable</i>	<i>Not Applicable</i>	Oasi blu di Gianola	Other Protected Natural Regional Areas	1988	Partially marine site
	178986	<i>Not Applicable</i>	<i>Not Applicable</i>	Oasi blu di Monte Orlando	Other Protected Natural Regional Areas	1995	Partially marine site
	178988	<i>Not Applicable</i>	<i>Not Applicable</i>	Oasi blu Villa di Tiberio	Other Protected Natural Regional Areas	1995	Partially marine site
	178854	<i>Not Applicable</i>	<i>Not Applicable</i>	Riserva naturale della Foce dell' Isonzo	Regional/Provincial Nature Reserve	1996	Partially marine site
	178865	<i>Not Applicable</i>	<i>Not Applicable</i>	Riserva naturale della Valle Cavanata	Regional/Provincial Nature Reserve	1996	Partially marine site
	178863	<i>Not Applicable</i>	<i>Not Applicable</i>	Riserva naturale delle Falesie di Duino	Regional/Provincial Nature Reserve	1996	Partially marine site
	178890	<i>Not Applicable</i>	<i>Not Applicable</i>	Riserva naturale Foci dello Stella	Regional/Provincial Nature Reserve	1996	Partially marine site
	178772	<i>Not Applicable</i>	<i>Not Applicable</i>	Riserva naturale integrale Saline di Trapani e Paceco	Regional/Provincial Nature Reserve	1995	Partially marine site
	178908	<i>Not Applicable</i>	<i>Not Applicable</i>	Riserva naturale orientata Laghetti di Marinello	Regional/Provincial Nature Reserve	1998	Partially marine site
	Not Assigned	<i>Not Applicable</i>	<i>Not Applicable</i>	Egadi	SPAMI		New site
	555703312	ITA090031	<i>Not Applicable</i>	Area Marina di Capo Passero	SPA	—	New site
	555703306	ITA010033	<i>Not Applicable</i>	Banchi di Marettimo	pSCI	—	New site
	555529752	ITA020009	<i>Not Applicable</i>	Cala Rossa e Capo Rama	SAC	—	New site
	555540589	ITB013044	<i>Not Applicable</i>	Capo Caccia	SPA	—	Partially marine site
	555540611	ITB043028	<i>Not Applicable</i>	Capo Carbonara e stagno di Notteri - Punta Molentis	SPA	—	Partially marine site
	555540611	IT5310006	<i>Not Applicable</i>	Colle S. Bartolo	SAC	—	Partially marine site
	555540411	IT5310024	<i>Not Applicable</i>	Colle San Bartolo e litorale pesarese	SPA	—	New site
	555624506	IT5340022	<i>Not Applicable</i>	Costa del Piceno - San Nicola a mare	pSCI	—	New site
	555540599	ITB033036	<i>Not Applicable</i>	Costa di Cuglieri	SPA	—	Partially marine site
	555540594	ITB023037	<i>Not Applicable</i>	Costa e Entroterra di Bosa, Suni e Montresta	SPA	—	Partially marine site
	555529474	IT9150002	<i>Not Applicable</i>	Costa Otranto - Santa Maria di Leuca	SAC	—	New site
	555529693	IT9350158	<i>Not Applicable</i>	Costa Viola e Monte S. Elia	SAC	—	New site
	555529365	IT8030006	<i>Not Applicable</i>	Costiera amalfitana tra Nerano e Positano	SAC	—	New site
	555529401	IT8050010	<i>Not Applicable</i>	Fasce litoranee a destra e a sinistra del Fiume Sele	SAC	—	New site
	555529680	IT9350145	<i>Not Applicable</i>	Fiumara Amendolea (incluso Roghudi, Chorio e Rota Greco)	SAC	—	New site

	555529352	IT8010028	Not Applicable	Foce Volturno - Variconi	SAC	—	New site
	555703305	ITA010032	Not Applicable	Fondali dello Zingaro	pSCI	—	New site
	555703310	ITA030045	Not Applicable	Fondali di Capo Milazzo	pSCI	—	New site
	555703309	ITA020052	Not Applicable	Fondali di Capo Zafferano	pSCI	—	New site
	555703311	ITA040016	Not Applicable	Fondali di Torre Salsa	pSCI	—	New site
	555529892	ITA080005	Not Applicable	Isola dei Porri	SAC	—	New site
	555540606 555580668	ITB040026	Not Applicable	Isola del Toro	SPA_SAC	—	New site
	555528293	IT1345103	Not Applicable	Isole Tino - Tinetto	SAC	—	New site
	555529438	IT9110011	Not Applicable	Isole Tremiti	SAC	—	New site
	555529407	IT8050018	Not Applicable	Isolotti Li Galli	SAC	—	New site
	555528985	IT5310007	Not Applicable	Litorale della Baia del Re	SAC	—	Partially marine site
	555577780 555529032	IT5340001	Not Applicable	Litorale di Porto d'Ascoli	SPA_SAC	—	Partially marine site
	555703304 555703303	IT9220300	Not Applicable	Mare della Magna Grecia	SPA_pSCI	—	New site
	555578836	IT3330008	Not Applicable	Relitti di Posidonia presso Grado	pSCI	—	New site
	555529724	ITA010007	Not Applicable	Saline di Trapani	SAC	—	New site
	555529379	IT8030027	Not Applicable	Scoglio del Vervece	SAC	—	New site
	555635624	IT9120012	Not Applicable	Scoglio dell'Eremita	SPA_SAC	—	New site
	555529954	ITB030036	Not Applicable	Stagno di Cabras	SAC	—	New site
	555540605	ITB034008	Not Applicable	Stagno di Cabras	SPA	—	Partially marine site
	555540618	ITB044003	Not Applicable	Stagno di Cagliari	SPA	—	Partially marine site
	555529970	ITB040023	Not Applicable	Stagno di Cagliari, Saline di Macchiareddu, Laguna di Santa Gilla	SAC	—	New site
	555540603	ITB034006	Not Applicable	Stagno di Mistras	SPA	—	Partially marine site
	555540586	ITB013012	Not Applicable	Stagno di Pilo, Casaraccio e Saline di Stintino	SPA	—	Partially marine site
	555540528	IT9140008	Not Applicable	Torre Guaceto	SPA	—	Partially marine site
	Not Applicable	Not Applicable	Not Applicable	Lophelia reef off Capo Santa Maria di Leuca	Protection of Fisheries Restricted Area (VME)	2006	GIS corrected
	Not Applicable	Not Applicable	Not Applicable	East of Adventure Bank (Strait of Sicily)	Protection of Essential Fish Habitats (EFH)	2016	GIS corrected
	Not Applicable	Not Applicable	Not Applicable	East of Malta Bank (Strait of Sicily)	Protection of Essential Fish Habitats (EFH)	2016	GIS corrected (partly in Malta)
	Not Applicable	Not Applicable	Not Applicable	Jabuka/Pomo Pit	Protection of Essential Fish Habitats (EFH)	2020	New site (partly in Croatia)
	Not Applicable	Not Applicable	Not Applicable	West of Gela Basin (Strait of Sicily)	Protection of Essential Fish Habitats (EFH)	2016	GIS corrected
	555625770	Not Applicable	2311	Massaciuccoli lake and marsh	Ramsar site	2017	New site

The following designations for Italy in the CDDA database are not taken into account:

- *International significance Natural Marine Area* (Italian part of the Pelagos Sanctuary)
- *Regional/Provincial Nature Park* (terrestrial sites)
- *State Nature Reserve* (terrestrial sites)

The following sites are presented as terrestrial only in CDDA :

- **Capo Testa - Punta Falcone** (Protected Marine Area, 2018), GIS area: about 0 km² because the polygon is in fact only a point → It appears that the CDDA polygon does not correspond to the information in the site's official creation decree³⁵. MedPAN has created the polygon according to the information from the decree. It therefore appears that the GIS area is about 51.42 km² of exclusively marine area.
- **Isole dello Stagnone di Marsala** (Regional Nature Reserve, 1984), GIS area: about 21 km² of which about 16 km² (76%) is considered marine area → This largely corresponds to the Bay of Stagnone.

The following sites are presented as only terrestrial in the Natura 2000 database:

- **Foce Biferno - Litorale di Campomarino** (IT7222216), GIS area: about 8 km² of which about 1 km² (13%) is considered marine area → This corresponds to a small portion of sea along the coast.
- **Laguna del Mort e Pinete di Eraclea** (IT3250013), GIS area: about 2 km² of which about 0.4 km² (20%) is considered as marine area → This corresponds to the Laguna del Mort which is open to the sea and contains *Zostera* seagrass beds³⁶.
- **Stagno di Mistras** (ITB034006), GIS area: about 7 km² of which about 4 km² (57%) is considered marine area → This corresponds to the Mistras lagoon which is open to the sea.

Some geographical areas combine several sites with national, regional or international status:

Cabras

- **Stagno di Cabras** (ITB034008), GIS area: about 36 km², of which about 20 km² (56%) is considered sea area → This corresponds to the Cabras lagoon which is open to the sea.
- **Stagno di Cabras** (ITB030036), GIS area: about 48 km² of which about 20 km² (42%) is considered as marine area → This corresponds to the Cabras lagoon which is open to the sea.

These sites are presented as having 0% marine area in the Natura 2000 database.

³⁵ Establishment of the marine protected area "Capo Testa - Punta Falcone". (18A05825) (OJ General Series n.206 of 05-09-2018)

³⁶ https://it.wikipedia.org/wiki/Laguna_del_Mort

Cagliari

- **Stagno di Cagliari, Saline di Macchiareddu, Laguna di Santa Gilla** (ITB040023), GIS area: about 60 km² of which about 16 km² (27%) is considered marine area → This corresponds to the Santa Gilla lagoon and a small marine area off the Contivecchi salt works.
- **Stagno di Cagliari** (ITB044003), GIS area: about 38 km² of which about 12 km² (32%) is considered marine area → This corresponds to the lagoon of Santa Gilla which is open to the sea. Site presented as having 0% marine area in the Natura 2000 database.

Caorle - Tagliamento

- **Foce del Tagliamento** (IT3250040), GIS area: about 3 km² of which about 0.5 km² (17%) is considered marine area → This corresponds to a small portion of sea along the coast.
- **Laguna di Caorle - Foce del Tagliamento** (IT3250033), GIS area: about 44 km² of which about 5 km² (11%) is considered marine area → This corresponds in part to the lagoons of Caorle and Baseleghe and the small stretch of sea around the mouths of the Tagliamento. The lagoons are open to the sea.
- **Valle Vecchia - Zumelle - Valli di Bibione** (IT3250041), GIS area: about 21 km² of which about 5 km² (24%) is considered as marine area → This corresponds partly to the Baseleghe lagoon and partly to a stretch of sea along the coast.

These sites are presented as having 0% marine area in the Natura 2000 database.

Cavanata

- **Valle Cavanata** (Ramsar site, 1978): The Ramsar database indicates the presence of "*Marine or coastal wetlands*" habitat (*H: Intertidal marshes, J: Coastal brackish / saline lagoons*). The boundaries of the site follow the coastline without including a marine part.
- **Valle Cavanata** (Nature Reserve, 1996), GIS area: about 3.4 km² of which about 0.6 km² (18%) is considered as marine area → This corresponds to a marine area off the Cavanata salt works. Site presented as only terrestrial in CDDA.

Circeo

- **Circeo** (National Park, 1934), GIS area: about 88 km² of which about 0.6 km² (0.7%) is considered marine area → This corresponds to a small portion of sea along the site boundary following the coastline. Site presented as only land in CDDA.
- **Lago di Fogliano** (Ramsar site, 1976): The Ramsar database indicates the presence of "*Marine or coastal wetlands*" habitat (*E: Sand, shingle or pebble shores, J: Coastal brackish / saline lagoons*).
- **Lago dei Monaci** (Ramsar Site, 1976): The Ramsar database indicates the presence of "*Marine or coastal wetlands*" habitat (*E: Sand, shingle or pebble shores, J: Coastal brackish / saline lagoons*).
- **Lago di Caprolace** (Ramsar Site, 1976): The Ramsar database indicates the presence of "*Marine or coastal wetlands*" habitat (*E: Sand, shingle or pebble shores, J: Coastal brackish / saline lagoons*).

- **Lago di Sabaudia** (Ramsar site, 1976) : The Ramsar database indicates the presence of "*Marine or coastal wetlands*" habitat (*E: Sand, shingle or pebble shores, J: Coastal brackish / saline lagoons*).

The national park is presented as being only terrestrial in CDDA. In fact, its boundary roughly follows the coastline. However, it contains four coastal lakes (Ramsar sites) which appear to have marine habitats. These four lakes are separated from the sea by dunes while being connected by narrow openings³⁷. This connection seems too light for us to consider these lakes as marine area.

Isola Bella

- **Isola Bella** (Oriented Nature Reserve, 1998): Terrestrial site only.
- **Isola Bella, Capo Taormina e Capo S. Andrea** (Site Natura 2000 "Habitats", 1998): Terrestrial site only.
- **Fondali di Taormina - Isola Bella** (Site Natura 2000 "Habitats", 1998): The Natura 2000 database indicates that 100% of the site is marine.

The nature reserve is presented as being only terrestrial in CDDA. This is confirmed by observation of its GIS layer. However, this site is home to two marine caves³⁸ and many marine habitats and species³⁹. As the reserve was created for landscape and cultural purposes, we only conserve the marine Natura 2000 site.

Laghetti di Marinello

- **Laghetti di Marinello** (Oriented Nature Reserve, 1998), GIS area: about 4 km² of which about 0.8 km² (20%) is considered as marine area → This corresponds to a small marine area around the Marinello lakes.
- **Laguna di Oliveri - Tindari** (Site Natura 2000 "Habitats", 1998): The Natura 2000 database indicates that 5% of the site is marine.

The nature reserve is presented as being only terrestrial in CDDA. However, it is home to various marine caves and many marine habitats and species⁴⁰.

La Vela

- **Mar Piccolo** (IT9130004): The Natura 2000 database indicates that 0% of the site is marine.
- **Palude La Vela** (Oriented Regional Nature Reserve, 2006), GIS area: about 1.2 km² of which about 0.1 km² (8%) is considered marine area → This corresponds to the marshland of La Vella which is connected to the Piccolo Sea. Site presented as being only terrestrial in CDDA.

³⁷ <https://rsis.ramsar.org/ris/127>, <https://rsis.ramsar.org/ris/128>, <https://rsis.ramsar.org/ris/129> and <https://rsis.ramsar.org/ris/130>.

³⁸ [https://en.wikipedia.org/wiki/Blue_Grotto_\(Capri\)](https://en.wikipedia.org/wiki/Blue_Grotto_(Capri))

³⁹ <http://www.old.cutgana.unict.it/en/aree-protette/riserva-naturale-orientata-isola-bella.html>

⁴⁰ https://it.wikipedia.org/wiki/Riserva_naturale_orientata_Laghetti_di_Marinello

Although the Piccolo Sea is extremely rich in marine habitats and species⁴¹, this does not seem to be the case for the marshland⁴².

Orbetello

- **Laguna di Orbetello** (Ramsar Site, 1976): The Ramsar database indicates the presence of a “*marine or coastal wetland*” habitat (*E: Sand, shingle or pebble shores, J: Coastal brackish / saline lagoons*).
- **Laguna di Orbetello** (Nature Reserve, 1998): Terrestrial site only. Site presented as only terrestrial in CDDA.
- **Laguna di Orbetello** (IT51A0026), GIS area: about 37 km² of which 0% is considered as marine area → This corresponds to the Ponent and Levant lagoons. Site presented as having 0% marine area in the Natura 2000 database.

Additional information from the Ramsar site and the Natura 2000 site suggests that this area contains marine habitats. However, the connection of the site to the sea is too weak (narrow channels) to be assimilated to a marine area.

Stella

- **Laguna di Marano: Foci dello Stella** (Ramsar Site, 1979) : The Ramsar database indicates the presence of a “*marine or coastal wetlands*” habitat (*J: Coastal brackish / saline lagoons, H: Intertidal marshes, F: Estuarine waters, E: Sand, shingle or pebble shores, G: Intertidal mud, sand or salt flats*).
- **Foci dello Stella** (Nature Reserve, 1996), GIS area: about 14 km² of which about 11.5 km² (82%) is considered marine area → This corresponds to the Marano lagoon. Site presented as being only terrestrial in CDDA.

Additional information from the Ramsar site suggests that this area contains marine habitats and could therefore be assimilated to a marine area.

Trapani

- **Saline di Trapani e Paceco** (Integral Nature Reserve, 1995), GIS area: about 9 km² of which about 5 km² (56%) is considered marine area → This corresponds to the salt works of Trapani. Site presented as only terrestrial in CDDA.
- **Saline di Trapani** (Ramsar site, 2011): The Ramsar database indicates the presence of a “*marine or coastal wetlands*” habitat (*A: Permanent shallow marine waters, F: Estuarine waters*).

Additional information from the Ramsar site suggests that this area contains marine habitats and could therefore be assimilated to a marine area.

Venezia

⁴¹ https://it.wikipedia.org/wiki/Riserva_naturale_regionale_orientata_Palude_La_Vela

⁴² <http://natura2000.eea.europa.eu/Natura2000/SDF.aspx?site=IT9130004>

- **Laguna di Venezia** (IT3250046), GIS area: about 552 km² of which about 381 km² (69%) is considered marine area → This corresponds to the Venice lagoon which is open to the sea.
- **Laguna medio-inferiore di Venezia** (IT3250033), GIS area: about 264 km² of which about 182 km² (69%) is considered marine area → This corresponds to the southern part of the Venice lagoon which is open to the sea.
- **Laguna superiore di Venezia** (IT3250031), GIS area: about 203 km² of which about 143 km² (70%) is considered marine area → This corresponds to the northern part of the Venice lagoon which is open to the sea.

Sites presented as having 0% marine area in the Natura 2000 database but presenting marine habitats and species.

Vendicari

- **Oasi Faunistica di Vendicari** (Nature Reserve, 1984): Terrestrial site only. Site presented as only terrestrial in CDDA.
- **Vendicari** (Ramsar Site, 1989): The Ramsar database does not indicate the presence of "*Marine or coastal wetlands*" type habitats, but only "*Inland wetlands*" type habitats.

Volturno

- **Foce Volturno - Costa di Licola** (Nature Reserve, 1993), GIS area: about 5.4 km² of which about 0.5 km² (9%) is considered marine area → This corresponds to a small marine area that has submerged a land area. The coastline of this site has suffered a strong retreat⁴³ from the boundaries of the reserve, which is exclusively terrestrial.
- **Foce Volturno - Variconi** (IT8010028), GIS area: about 3 km² of which about 1 km² (33%) is considered as marine area → This corresponds to a small marine area at the Volturno river estuary.
- **Variconi** (IT8010018), GIS area: about 2 km² of which about 0.7 km² (35%) is considered as marine area → This corresponds to a small marine area that has submerged a land area. Site presented as having 0% marine area in the Natura 2000 database.
- **Oasi di Castelvolturno o Variconi** (Ramsar site, 2006): Although it has marine habitats (*H: Intertidal marshes, J: Coastal brackish / saline lagoons, I: Intertidal forested wetlands, E: Sand, shingle or pebble shores, F: Estuarine waters, G: Intertidal mud, sand or salt flats*), the Oasis is not connected to the sea⁴⁴.

⁴³ Water 2019, Modelling Actual and Future Seawater Intrusion in the Variconi Coastal Wetland (Italy) Due to Climate and Landscape Changes, 11(7), 1502; <https://doi.org/10.3390/w11071502>

⁴⁴ https://rsis.ramsar.org/RSapp/files/1673/pictures/IT1664_map1602.pdf

Table 25. Sites removed from the 2019 edition of MAPAMED concerning Lebanon

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 26. Sites added in the 2019 edition of MAPAMED concerning Lebanon

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	<i>Not Assigned</i>	<i>Not Applicable</i>	<i>Not Applicable</i>	Abassieh	Marine Protected Area	2020	New site
927	555576135	<i>Not Applicable</i>	<i>Not Applicable</i>	Tyre Coast	Nature Reserve	1998	(GIS corrected, extension 12 nm)
928	555547506	<i>Not Applicable</i>	<i>Not Applicable</i>	Tyre Coast Nature Reserve	SPAMI	2012	(GIS corrected, extension 12 nm)
926	220099	<i>Not Applicable</i>	980	Tyre Beach	Ramsar site	1999	(GIS corrected, extension 12 nm)

Table 27. Sites removed from the 2019 edition of MAPAMED concerning Libya

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
930	220041	Not Applicable	1026	Ain Elshakika	Ramsar site	2000	Non-marine wetland
931	220042	Not Applicable	1027	Ain Elzarga	Ramsar site	2000	Non-marine wetland

Table 28. Sites added in the 2019 edition of MAPAMED concerning Libya

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

The following sites are presented as partially marine in the Ramsar database:

- **Ain Elshakika** (Ramsar site, 2000) → Although it has marine habitats (*K: Coastal freshwater lagoons, H: Intertidal marshes, F: Estuarine waters*) and temporary connections to the sea, the Sebkha (depression) cannot be considered as a marine area⁴⁵. The northern part of the site presents a significant retreat of the coastline which explains the superimposition of the limits with the marine environment.
- **Ain Elzarga** (Ramsar site, 2000) → Although it has marine habitats (*H: Intertidal marshes, K: Coastal freshwater lagoons, F: Estuarine waters*) and temporary connections to the sea, the Sebkha (depression) cannot be considered as a marine area⁴⁶. The superimposition of the boundaries with the marine environment to the north-west of the site is due to an error in the positioning of the GIS layers.

⁴⁵ <https://rsis.ramsar.org/RISapp/files/RISrep/LY1026RIS.pdf>

⁴⁶ <https://rsis.ramsar.org/RISapp/files/RISrep/LY1027RIS.pdf>

Table 29. Sites removed from the 2019 edition of MAPAMED concerning Morocco

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 30. Sites added in the 2019 edition of MAPAMED concerning Morocco

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	555698089	Not Applicable	2379	Côte des Bokkoyas	Ramsar site	2019	New site
	555698087	Not Applicable	2381	Littoral de Jbel Moussa	Ramsar site	2019	New site

Table 31. Sites removed from the 2019 edition of MAPAMED concerning Monaco

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 32. Sites added in the 2019 edition of MAPAMED concerning Monaco

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 33: Sites removed from the 2019 edition of MAPAMED concerning Malta

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
941	555530238	MT0000005	Not Applicable	L-Inħawi tar-Ramla	SAC	—	Terrestrial site

Table 34. Sites added in the 2019 edition of MAPAMED concerning Malta

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	555589827	Not Applicable	Not Applicable	Żona fil-Baħar fl-inħawi tal-Graben ta` Medina	Special Areas of Conservation - International Importance	2016	New site
	555589822	Not Applicable	Not Applicable	Żona fil-Baħar fl-inħawi tal-Graben tat-Tramuntana ta` Għawdex	Special Areas of Conservation - International Importance	2016	New site
	555634474	Not Applicable	Not Applicable	Żona fil-Baħar fl-inħawi tal-Majjistral tal-Graben ta` Malta	Special Areas of Conservation - International Importance	2018	New site
	555634475	Not Applicable	Not Applicable	Żona fil-Baħar fl-inħawi tal-Punent tal-Graben ta` Malta	Special Areas of Conservation - International Importance	2018	New site
	Not Applicable	Not Applicable	Not Applicable	East of Malta Bank (Strait of Sicily)	Protection of Essential Fish Habitats (EFH)	2016	GIS corrected (partly in Italy)
	555643616	MT0000116	Not Applicable	Żona fil-Baħar fl-inħawi tal-Graben ta' Medina	pSCI	—	New site
	555643627	MT0000115	Not Applicable	Żona fil-Baħar fl-inħawi tal-Graben tat-Tramuntana ta' Għawdex	pSCI	—	New site
	555643626	MT0000118	Not Applicable	Żona fil-Baħar fl-inħawi tal-Majjistral tal-Graben ta' Malta	pSCI	—	New site
	555643625	MT0000117	Not Applicable	Żona fil-Baħar fl-inħawi tal-Punent tal-Graben ta' Malta	pSCI	—	New site

The following designations concerning Malta in the CDDA database are not taken into account as they only concern terrestrial sites:

- *Area of Ecological Importance, Area of Ecological Importance/Site of Scientific Importance*
- *Area of High Landscape Value*
- *Bird Sanctuary*
- *National Park*
- *Nature Reserve*
- *Protected Beaches*
- *Site of Scientific Importance*
- *Special Areas of Conservation - National Importance*
- *Tree Protection Area.*

Table 35. Sites removed from the 2019 edition of MAPAMED for Montenegro

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 36. Sites added in the 2019 edition of MAPAMED concerning Montenegro

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	555560029	Not Applicable	Not Applicable	Tivatska solila	Special Nature Reserve	2008	Partially marine site

Some geographical areas combine several sites with national, regional or international status:

Kotor

- **Kotorsko Risan Bay** (Protected area by municipal decision, 1979), GIS area: about 110 km² of which about 26 km² (24%) is considered marine area → This corresponds to the mouths of Kotor. This site is not in the CDDA, however its protection status is equivalent to that of the "Landscapes with Exceptional Characteristics" type sites in Montenegro⁴⁷.
- **Natural and Culturo-Historical Region of Kotor** (UNESCO World Heritage Site, 1979), GIS area: about 110 km² of which about 26 km² (24%) is considered marine area → Same area as the protected area by municipal decision.

Tivat Saline

- **Tivat Saline** (Special Nature Reserve, 2008), GIS area: about 1.5 km² of which about 0.4 km² (25%) is considered as marine area → This corresponds to salt marshes and marine areas. This site seems to be recognised as an important feeding area for fish⁴⁸.
- **Tivat Saline** (Ramsar site, 2013): The Ramsar database indicates the presence of "marine or coastal wetland" habitats (A: *Permanent shallow marine waters*, G: *Intertidal mud, sand or salt flats*, J: *Coastal brackish / saline lagoons*).

⁴⁷ Catalyzing financial sustainability of the protected area system in Montenegro (United Nations Development Programme, <https://www.undp.org/content/dam/montenegro/docs/projectdocs/ee/ProDoc%20PAF.pdf>)

⁴⁸ https://www.parksdinarides.org/en/park/special_nature_reserve_tivat_saline/

Table 37. Sites removed from the 2019 edition of MAPAMED concerning Slovenia

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
968	326335	Not Applicable	Not Applicable	Debeli Rtič	Natural Monument	1991	Absorbed by the Landscape Park
1316	67621	Not Applicable	Not Applicable	Sečoveljske soline	Landscape Park	1990	Salt works without marine habitat
1317	555535202	SI3000247	Not Applicable	Piranski klif	SAC	—	Terrestrial site
1226	68162	Not Applicable	586	Secoveljske Soline	Ramsar site	1993	Non-marine wetland

Table 38. Sites added in the 2019 edition of MAPAMED concerning Slovenia

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	555641767	Not Applicable	Not Applicable	Krajski park Debeli Rtič	Landscape Park	2018	New site
	326403	Not Applicable	Not Applicable	Naravni rezervat Strunjan	Nature Reserve	2004	Marine site
	326404	Not Applicable	Not Applicable	Naravni rezervat Strunjan - Stjuža	Nature Reserve	2004	Marine site

The following designations for Slovenia in the CDDA database are not taken into account:

- *Horticultural Monument* (Terrestrial sites)
- *Specially Protected Area* (duplicates with the Natura 2000 database).

The following MPAs are presented as terrestrial only in CDDA :

- **Rt Madona v Piranu** (Natural Monument, 1990), GIS area: about 0.12 km² of which about 0.1 km² (83%) is considered marine area → This site is in fact exclusively marine.
- **Škocjanski zatok** (Nature Reserve, 1998), GIS area: about 1.2 km² of which 0% is considered as marine area → This site is actually a wetland connected to the sea by a canal. This site is home to brackish habitats (deep water areas⁴⁹ but also shoals and mudflats⁵⁰) and marine species⁵¹. This site should be included in MAPAMED as a "wetland" site.

The following site is presented as totally or partially marine in the Natura 2000 database:

- **Piranski klif** (SI3000247), GIS area: about 0.04 km² of which about 0.01 km² (25%) is considered as marine area → This corresponds to a small portion of sea along the site boundary following the coastline.

Some geographical areas combine several sites with national, regional or international status:

⁴⁹ <https://www.skocjanski-zatok.org/en/nature/brackish-habitats/deep-water-areas/>

⁵⁰ <https://www.skocjanski-zatok.org/en/nature/brackish-habitats/shallows-and-mudflats/>

⁵¹ <https://www.skocjanski-zatok.org/en/nature/animals/fish/>

Debeli Rtič

- **Debeli rtič** (Natural Monument, 1991), GIS area: about 0.2 km² exclusively marine.
- **Krajinski park Debeli Rtič** (Landscape park, 2018), GIS area: about 3.4 km² of which about 1.5 km² (44%) is considered marine area.

The Natural Monument is now part of the newly established Landscape park Debeli rtič and no longer considered as a separate entity – the natural monument became a zone within the park. Therefore, it can be removed from MAPAMED.

Secoveljske Soline

- **Sečoveljske soline** (Landscape Park, 1990), GIS area: about 7 km² of which about 6 km² (86%) is considered as marine area → These are saline areas connected to the marine environment but which do not seem to present any marine habitats.
- **Secoveljske Soline** (Ramsar site, 1993): The Ramsar database does not indicate the presence of "*Marine or coastal wetlands*" habitats (only "*Inland wetlands*" and "*Human-made wetlands*").
- **Sečoveljske soline** (Site Natura 2000 "Birds", 2004): The Natura 2000 database indicates that about 28% of the site is marine.
- **Sečoveljske soline in estuarij Dragonje** (Site Natura 2000 "Habitats", 2004): The Natura 2000 database indicates that about 3% of the site is marine.

Strunjan

- **Strunjan** (Nature Reserve, 2004), GIS area: about 1.2 km² of which about 0.7 km² (58%) is considered marine area.
- **Strunjan - Stjuža** (Nature Reserve, 2004), GIS area: about 0.34 km² of which about 0.06 km² (18%) is considered marine area.
- **Strunjan** (Landscape Park, 2004), GIS area: about 4.3 km² of which about 1.5 km² (35%) is considered marine area.

SYR — Syrian Arab Republic

Table 39. Sites removed from the 2019 edition of MAPAMED for the Syrian Arab Republic

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 41. Sites added in the 2019 edition of MAPAMED concerning the Syrian Arab Republic

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 41. Sites removed from the 2019 edition of MAPAMED concerning Tunisia

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
1173	555558450	Not Applicable	2096	Complexe lac de Tunis	Ramsar site	2013	Non-marine wetland
1200	555547400	Not Applicable	2006	Sebkhet Halk El Manzel et Oued Essed	Ramsar site	2012	Non-marine wetland

Table 42. Sites added in the 2019 edition of MAPAMED concerning Tunisia

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

TUR — Turkey

Table 43. Sites removed from the 2019 edition of MAPAMED for Turkey

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments

Table 44. Sites added in the 2019 edition of MAPAMED concerning Turkey

MAPAMED	WDPA	N2000	RAMSAR	NAME	DESIG_ENG	STATUS_YR	Comments
	<i>Not Assigned</i>	<i>Not Applicable</i>	<i>Not Applicable</i>	Karaburun-Ildir Bay	SEPA	2019	New site (Ministry of the Environment and Urban Development)