

Table S1: List of marine and estuarine non-indigenous species observed in the French metropolitan waters until Septembre 2022.

Kingdom	Phylum	Species with authority	Biogeographic realms of the native range	Date of first record	Location and region of first record	Source	Potential pathways	Status along the French English Channel	Status in the French Bay of Biscay	Status in the French Mediterranean Sea
Plantae	Chlorophyta	<i>Caulerpa cylindracea</i> Sonder, 1845	Temperate Australasia	1997	Marseille - Western Mediterranean Sea	Verlaque et al. 2000 [1]	TRANSPORT- STOWAWAY: Angling/fishing equipment TRANSPORT- STOWAWAY: Hitchhikers on ship/boat (excluding ballast water and hull fouling)	Absent	Absent	Established to invasive
Plantae	Chlorophyta	<i>Caulerpa taxifolia</i> (M.Vahl) C.Agardh, 1817	Across realms	1984	Monaco - Western Mediterranean Sea	Meinesz et al. 1993 [2]	ESCAPE FROM CONFINEMENT: Botanical garden/zoo/aquaria (excluding domestic aquaria)	Absent	Absent	Invasive
Plantae	Chlorophyta	<i>Cladophora hutchinsioides</i> C.Hoek & Womersley, 1984	Temperate Australasia	Before 2007	Thau lagoon - Western Mediterranean Sea	Verlaque et al. 2007 [3]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Chlorophyta	<i>Codium fragile</i> subsp. <i>fragile</i> (Suringar) Hariot, 1889 = <i>Codium fragile</i> (Suringar) Hariot 1889	Central Indo-Pacific	1943	Finistère - Bay of Biscay	Silva, 1955 [4]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Plantae	Chlorophyta	<i>Derbesia rhizophora</i> Yamada, 1961	Temperate Northern Pacific	1984	Thau lagoon - Western Mediterranean Sea	Gerbal et al. 1985 [5]; Ben Maiz, 1986 [6]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Chlorophyta	<i>Ulva australis</i> Areschoug, 1854	Temperate Australasia	1984	Western Mediterranean Sea	Gerbal et al. 1985 [5]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Plantae	Chlorophyta	<i>Ulva lactuca</i> Linnaeus, 1753	Cryptogenic	1998	Western Mediterranean Sea	Verlaque, 2001 [1]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent (misidentification)	Absent (misidentification)	Established
Plantae	Chlorophyta	<i>Ulva ohnoi</i> M.Hiraoka & S.Shimada, 2004	Temperate Northern Pacific	2003	Western Mediterranean Sea	Mineur et al. 2007 [7]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Casual	Absent	Casual
Plantae	Chlorophyta	<i>Ulvaria obscura</i> (Kützinger) Gayral ex Bliding, 1969	Cryptogenic	1985	Western Mediterranean Sea	Ben Maiz 1986 [6]	UNKNOWN	Established and considered as native	Established and considered as native	Established
Plantae	Chlorophyta	<i>Uronema marinum</i> Womersley, 1984	Western Indo-Pacific	1989	Western Mediterranean Sea	Verlaque et al. 2015 [8]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Acanthophora nayadiformis</i> (Delile) Papenfuss, 1968	Cryptogenic	Before 1977	Corsica - Western Mediterranean Sea	Boudouresque & Perret, 1977 [9]	UNKNOWN	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Acrothamnion preissii</i> (Sonder) E.M. Wollaston, 1968	Central Indo-Pacific	1981	Villefranche-sur-mer - Western Mediterranean Sea	Boillot et al. 1982 [10]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Established
Plantae	Rhodophyta	<i>Agardhiella subulata</i> (C.Agardh) Kraft & M.J.Wynne, 1979	Across realms	1984	Thau lagoon - Western Mediterranean Sea	Ben Maiz 1986 [6]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	One record

Plantae	Rhodophyta	<i>Agarophyton vermiculophyllum</i> (Ohmi) Gurgel, J.N. Norris & Fredericq, 2018 = <i>Gracilariopsis vermiculophylla</i> Ohmi 1956	Temperate Northern Pacific	1993	Concarneau - Bay of Biscay	Cabioch 1993 in Mollet et al. 1998 [11]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established to invasive	Absent
Plantae	Rhodophyta	<i>Aglaothamnion feldmanniae</i> Halos, 1965	Temperate Northern Atlantic	1979	Toulon - Western Mediterranean Sea	Verlaque & Tine, 1981 [12]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Native	Native	One record
Plantae	Rhodophyta	<i>Ahnfeltiopsis flabelliformis</i> (Harvey) Masuda, 1993	Temperate Northern Pacific	1995	Thau lagoon - Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	One record
Plantae	Rhodophyta	<i>Anotrichium furcellatum</i> (J.Agardh) Baldock, 1976 = <i>Neomonospora furcellata</i> (J.Agardh) Feldmann-Mazoyer & Meslin	Temperate Northern Pacific	1922	Cherbourg - Northern Seas	Feldmann-Mazoyer & Meslin, 1939 [14]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Plantae	Rhodophyta	<i>Antithamnion amphigeneum</i> A.Millar, 1990	Tropical Eastern Pacific	1988	Thau lagoon - Western Mediterranean Sea	Klein & Verlaque, 2011 [15]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Antithamnion densum</i> (Suhr) M.Howe, 1914	Temperate Australasia	2002	Marseille - Western Mediterranean Sea	Halos, 1964 [16]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Absent
Plantae	Rhodophyta	<i>Antithamnion hubbsii</i> (Dawson, 1962)	Temperate Southern Africa	1964	Bay of Morlaix - Northern Seas	Verlaque & Rioual 1989 [17]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Plantae	Rhodophyta	<i>Antithamnion pectinatum</i> (Montagne) Brauner, 1994	Temperate Northern Pacific	1983	Thau lagoon - Western Mediterranean Sea	Verlaque & Rioual 1989 [17]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Casual	One record
Plantae	Rhodophyta	<i>Antithamnionella boergesenii</i> (Cormaci & G.Furnari) Athanasiadis, 1996	Cryptogenic	Before 1995	Banyuls-sur-mer - Western Mediterranean Sea	Athanasiadis, 1996 in Klein & Verlaque, 2011 [15]	UNKNOWN	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Antithamnionella elegans</i> (Berthold) J.H.Price & D.M.John, 1986	Cryptogenic	Before 1977	Corsica - Western Mediterranean Sea	Boudouresque & Perret, 1977 [9]	UNKNOWN	Absent	Absent	Established
Plantae	Rhodophyta	<i>Antithamnionella spirographidis</i> (Schiffner) E.M.Wollaston, 1968	Central Indo-Pacific	1927	Cherbourg - Northern Seas	Feldman, 1937 [18]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Plantae	Rhodophyta	<i>Antithamnionella ternifolia</i> (J.D.Hooker & Harvey) Lyle, 1922	Temperate Australasia	1910	Cherbourg - Northern Seas	Hamel, 1924 [19]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Plantae	Rhodophyta	<i>Apoglossum gregarium</i> (E.Y.Dawson) M.J.Wynne, 1985 = <i>Phrix spatulata</i> (E.Y.Dawson) M.J.Wynne, M.Kamiya & J.A.West 2018	Temperate Northern Pacific	1997	Monaco - Western Mediterranean Sea	Verlaque & Bernard, 1998 [20]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Absent	Established
Plantae	Rhodophyta	<i>Asparagopsis armata</i> Harvey, 1855	Temperate Australasia	1922	Guéthary - Bay of Biscay	Sauvageau, 1925 [21]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Plantae	Rhodophyta	<i>Asparagopsis taxiformis</i> (Delile) Trevisan, 1845	Central Indo-Pacific	1937	Unknown	Davy de Virville, 1938 [22]	UNKNOWN	Casual	Casual	Established

Plantae	Rhodophyta	<i>Bonnemaisonia hamifera</i> Hariot, 1891	Temperate Northern Pacific	1876	Chausey islands - Northern Seas	Hamel, 1931 [23]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Plantae	Rhodophyta	<i>Botryocladia wrightii</i> (Harvey) W.E. Schmidt, D.L.Ballantine & Fredericq, 2017	Temperate Northern Pacific	1978	Thau lagoon - Western Mediterranean Sea	Ben-Maiz, 1986 [6]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Casual	Casual
Plantae	Rhodophyta	<i>Caulacanthus okamurae</i> Yamada, 1933 = <i>C. ustulatus</i> (Turner) Kützinger 1843	Central Indo-Pacific	1986	Carantec - Northern Seas	Rio & Cabioch, 1988 [24]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Plantae	Rhodophyta	<i>Centroceras clavulatum</i> (C.Agardh) Montagne, 1846	Cryptogenic	1992	Arcachon bay - Bay of Biscay	Auby, 1993 [25]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Plantae	Rhodophyta	<i>Chondria coerulescens</i> (J.Agardh) Sauvageau, 1897	Temperate Northern Atlantic	1995	Thau lagoon - Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Native	Native	Established
Plantae	Rhodophyta	<i>Chondria curvilineata</i> Collins & Hervey, 1917	Tropical Atlantic	1981	Corsica - Western Mediterranean Sea	Verlaque, 1987 [26]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Established
Plantae	Rhodophyta	<i>Chondrus giganteus</i> f. <i>flabellatus</i> Mikami, 1965	Temperate Northern Pacific	1993	Thau lagoon - Western Mediterranean Sea	Verlaque & Latala, 1996 [27]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Colaconema codicola</i> (Børgesen) Stegenga, J.J.Bolton & R.J.Anderson, 1997	Temperate Southern Africa	Before 1952	Unknown - Western Mediterranean Sea	Bidoux & Magne, 1989 [28]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Absent	Established
Plantae	Rhodophyta	<i>Dasya sessilis</i> Yamada, 1928 = <i>Dasyisiphonia sessilis</i> (Yamada) M.M.Cassidy, C.W.Schneider & G.W.Saunders 2022	Temperate Northern Pacific	1984	Thau lagoon - Western Mediterranean Sea	Gerbal et al. 1985 [5]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Casual	Casual
Plantae	Rhodophyta	<i>Dasyisiphonia japonica</i> (Yendo) H.-S.Kim, 2012	Temperate Northern Pacific	1984	Roscoff - Northern Seas	Sjötun et al. 2008 [29]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Plantae	Rhodophyta	<i>Goniotrichopsis sublitoralis</i> G.M.Smith, 1943	Temperate Northern Pacific	1975	Northern Seas	Magne, 1992 [30]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Casual	Absent	Casual
Plantae	Rhodophyta	<i>Gracilariopsis chorda</i> (Holmes) Ohmi, 1958	Temperate Northern Pacific	2010	Bay of Biscay	Mineur et al. 2012 [31]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	One record	Absent
Plantae	Rhodophyta	<i>Grateloupia asiatica</i> S.Kawaguchi & H.W.Wang, 2001	Temperate Northern Pacific	1984	Western Mediterranean Sea	Verlaque et al. 2005 [32]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	One record	Casual
Plantae	Rhodophyta	<i>Grateloupia minima</i> P. Crouan & H. Crouan, 1867	Temperate Northern Atlantic	1998	Western Mediterranean Sea	Cecere et al. 2011 [33]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Native	Native	Established

Plantae	Rhodophyta	<i>Grateloupia patens</i> (Okamura) S.Kawaguchi & H.W.Wang, 2001	Temperate Northern Pacific	1994	Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Grateloupia subpectinata</i> Holmes, 1912	Central Indo-Pacific	1992	Northern Seas	Cabioch et al. 1997 [34]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Casual	Casual
Plantae	Rhodophyta	<i>Grateloupia turuturu</i> Y. Yamada, 1941	Central Indo-Pacific	1982	Western Mediterranean Sea	Riouall et al. 1985 [35]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Plantae	Rhodophyta	<i>Griffithsia corallinoides</i> (Linnaeus) Trevisan, 1845	Temperate Northern Atlantic	1983	Western Mediterranean Sea	Ben Maiz, 1986 [6]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Native	Native	Established
Plantae	Rhodophyta	<i>Herposiphonia parca</i> Setchell, 1926	Western Indo-Pacific	1997	Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Casual	Casual
Plantae	Rhodophyta	<i>Hildenbrandia occidentalis</i> Setchell, 1917	Temperate Northern Pacific	2011	Northern Seas	Barbara & Diaz Tapia, 2012 [36]	UNKNOWN	Casual	Absent	Absent
Plantae	Rhodophyta	<i>Hypnea spinella</i> (C.Agardh) Kützinger, 1847	Central Indo-Pacific	2002	Western Mediterranean Sea	Klein et al. 2005 [37]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Established
Plantae	Rhodophyta	<i>Hypnea valentiae</i> (Turner) Montagne, 1841	Temperate Northern Pacific	1993	Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Casual	Casual
Plantae	Rhodophyta	<i>Laurencia brongniartii</i> J.Agardh, 1841	Temperate Northern Pacific	1989	Northern Seas	Cabioch et al. 1990 [38]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Extinct	Absent	Absent
Plantae	Rhodophyta	<i>Laurencia caduciramulosa</i> Masuda & S. Kawaguchi, 1997	Temperate Northern Pacific	2002	Western Mediterranean Sea	Klein & Verlaque, 2005 [39]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Laurencia chondrioides</i> Børgesen, 1918	Cryptogenic	2005	Western Mediterranean Sea	Klein & Verlaque, 2011 [15]	UNKNOWN	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Laurencia okamurai</i> Yamada, 1931	Temperate Northern Pacific	1984	Western Mediterranean Sea	Ben-Maiz, 1986 [6]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Lithophyllum yessoense</i> Foslie, 1909	Temperate Northern Pacific	1994	Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Lomentaria flaccida</i> Tak.Tanaka, 1944	Temperate Northern Pacific	2002	Western Mediterranean Sea	Verlaque et al. 2007 [3]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Established

Plantae	Rhodophyta	<i>Lomentaria hakodatensis</i> Yendo, 1920 = <i>Yendoa hakodatensis</i> (Yendo) C.C.Santos, Lyra & J.M.C.Nunes 2022	Temperate Northern Pacific	1979	Western Mediterranean Sea	Ben Maiz 1986 [6]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Plantae	Rhodophyta	<i>Lophocladia lallemandii</i> (Montagne) F.Schmitz, 1893	Central Indo-Pacific	2011	western Mediterranean Sea	CARTHAM Progam	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water CORRIDOR: Interconnected waterways/basins/ seas	Absent	Absent	Established
Plantae	Rhodophyta	<i>Melanothamnus flavimarinus</i> (M.-S.Kim & I.K.Lee) Díaz-Tapia & Maggs, 2017	Temperate Northern Pacific	2010	Northern Seas	Geoffroy, 2012 [40]	UNKNOWN	Casual	Absent	Absent
Plantae	Rhodophyta	<i>Melanothamnus harveyi</i> (Bailey) Díaz-Tapia & Maggs, 2017	Temperate Northern Pacific	1864	Northern Seas	Baffreau et al. 2018 [41]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	One record	Established	Established
Plantae	Rhodophyta	<i>Nemalion vermiculare</i> Suringar, 1874	Temperate Northern Pacific	2005	Western Mediterranean Sea	Verlaque et al. 2007 [3]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Nitophyllum stellatocorticatum</i> Okamura, 1932	Temperate Northern Pacific	Before 1988	Western Mediterranean Sea	Verlaque et al. 2015 [8]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Pachymeniopsis lanceolata</i> (K.Okamura) Y.Yamada ex S.Kawabata, 1954	Temperate Northern Pacific	1982	Western Mediterranean Sea	Riouall et al. 1985 [35]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Established	Established
Plantae	Rhodophyta	<i>Polyopes lancifolius</i> (Harvey) Kawaguchi & Wang, 2002	Temperate Northern Pacific	2008	Bay of Biscay	Mineur et al. 2010 [42]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Established	Absent
Plantae	Rhodophyta	<i>Polysiphonia atlantica</i> Kapraun & J.N.Norris, 1982	Temperate Northern Atlantic	1985	Western Mediterranean Sea	Ben Maiz et al. 1986 in Verlaque 2001 [13]	UNKNOWN	Native	Native	Established
Plantae	Rhodophyta	<i>Polysiphonia forfex</i> Harvey, 1859 = <i>Melanothamnus forfex</i> (Harvey) Díaz-Tapia & Maggs 2017	Temperate Australasia	1999	Bay of Biscay	McIvor et al. 2001 [43]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Casual	Absent
Plantae	Rhodophyta	<i>Polysiphonia morrowii</i> Harvey, 1857	Temperate Northern Pacific	1997	Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Plantae	Rhodophyta	<i>Polysiphonia paniculata</i> Montagne, 1842 = <i>Eutrichosiphonia paniculata</i> (Montagne) D.E.Bustamante & T.O.Cho 2021	Temperate Northern Pacific	1967	Western Mediterranean Sea	Lauret, 1970 [44]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Pyropia yezoensis</i> (Ueda) M.S.Hwang & H.G.Choi, 2011	Temperate Northern Pacific	1975	Western Mediterranean Sea	ICES, 1982 [45]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	One record

		= <i>Neopyropia yezoensis</i> (Ueda) L.-E. Yang & J. Brodie 2020								
Plantae	Rhodophyta	<i>Rhodophysemma georgei</i> Batters, 1900	Temperate Northern Atlantic	1978	Western Mediterranean Sea	Verlaque, 1981 [46]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Native	Native	Casual
Plantae	Rhodophyta	<i>Sarconema filiforme</i> (Sonder) Kylin, 1932	Across realms	1990	Western Mediterranean Sea	Knoepffler et al. 1990 [47]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	One record
Plantae	Rhodophyta	<i>Solieria filiformis</i> (Kützinger) P.W. Gabrielson, 1985	Tropical Atlantic	1999	Western Mediterranean Sea	Verlaque et al. 2007 [3]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Plantae	Rhodophyta	<i>Spongoconium caribaeum</i> (Børgesen) M.J. Wynne, 2005	Temperate Northern Pacific	1981	Western Mediterranean Sea	Ardre et al. 1982 [48]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Casual	Casual	Casual
Plantae	Rhodophyta	<i>Symphyocladia dendroidea</i> (Montagne) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho, 2019	Temperate Northern Pacific	1998	Western Mediterranean Sea	Verlaque 2001 ; Verlaque et al. 2008 [13,49]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Plantae	Rhodophyta	<i>Vertebrata fucoides</i> (Hudson) Kuntze, 1891	Cryptogenic	1875	Bay of Biscay	Ripart & Des Méloizes (INPN: https://inpn.mnhn.fr/espece/cd_nom/853398/tab/carte)	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Plantae	Rhodophyta	<i>Womersleyella setacea</i> (Hollenberg) R.E. Norris, 1992	Eastern Indo-Pacific	1987	Western Mediterranean Sea	Verlaque, 1989 [50]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Established to invasive
Plantae	Rhodophyta	<i>Xiphosiphonia pinnulata</i> (Kützinger) Savoie & G.W. Saunders, 2016	Central Indo-Pacific	1993	Northern Seas	Pezy et al. 2021 [51]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Plantae	Tracheophyta	<i>Halophila stipulacea</i> (Forsskål) Ascherson, 1867	Western Indo-Pacific	2021	Western Mediterranean Sea	Thibaut et al. 2022 [52]	CORRIDOR: Interconnected waterways/basins/ seas	Absent	Absent	Established
Plantae	Tracheophyta	<i>Sporobolus alterniflorus</i> (Loisel.) P.M. Peterson & Saarela, 2014 [et non <i>Sporobolus alterniflora</i> Loisel.] = <i>Spartina alterniflora</i> Loisel.	Temperate Northern Pacific	1981	Western Mediterranean Sea	Chevalier, 1923 [53]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established to invasive	Established to invasive	Absent
Plantae	Tracheophyta	<i>Sporobolus anglicus</i> (C.E. Hubb.) P.M. Peterson & Saarela, 2014 [et non <i>Sporobolus anglica</i> C.E. Hubbard] = <i>Spartina anglica</i> C.E. Hubbard	Across realms	1989	Bay of Biscay	Marchant, 1967 [54]	UNKNOWN	Established	Established	Absent
Plantae	Tracheophyta	<i>Sporobolus pumilus</i> (Roth) P.M. Peterson & Saarela, 2014 [et non <i>Sporobolus patens</i> (Aiton) Muhl.] = <i>Spartina patens</i> (Aiton) Muhl	Tropical Eastern Pacific	1977	Western Mediterranean Sea	Fabre, 1849 [55]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Established	Established to invasive
Plantae	Tracheophyta	<i>Sporobolus x townsendii</i> (H. Groves & J. Groves) P.M. Peterson & Saarela,	Tropical Atlantic	1967	Northern Seas	Corbière & Chevallier, 1922 [56]	UNKNOWN	Established to invasive	Established to invasive	Absent

		2014 [et non <i>Sporobulus townsendii</i> var. <i>townsendii</i> H. & J. Groves] = <i>Spartina townsendii</i> var. <i>townsendii</i> H. & J. Groves								
Chromista	Ochrophyta	<i>Acrothrix gracilis</i> Kylin, 1907	Across realms	1998	Thau lagoon - Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	One record
Chromista	Ochrophyta	<i>Chorda filum</i> (Linnaeus) Stackhouse, 1797	Temperate Northern Atlantic	1981	Thau lagoon - Western Mediterranean Sea	Riouall, 1985 [57]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Native	Native	Casual
Chromista	Ochrophyta	<i>Chrysonephos lewisii</i> (W.R. Taylor) W.R. Taylor, 1952	Tropical Atlantic	1988	Unknown - Western Mediterranean Sea	Verlaque et al. 2015 [8]	TRANSPORT- STOWAWAY: Angling/fishing equipment TRANSPORT- STOWAWAY: Hitchhikers on ship/boat (excluding ballast water and hull fouling) TRANSPORT- STOWAWAY: Ship/boat hull fouling UNAIDED: Natural dispersal across borders of invasive alien species that have been introduced through pathways 1 to 5	Absent	Absent	Casual
Chromista	Ochrophyta	<i>Cladosiphon zosteræ</i> (J.Agardh) Kylin, 1940	Temperate Northern Atlantic	1977	Unknown - Western Mediterranean Sea	Boudouresque & Perret, 1977 [9]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Native	Native	Established
Chromista	Ochrophyta	<i>Colpomenia peregrina</i> Sauvageau, 1927 = <i>C. sinuosa</i> (Mertens ex Roth) Derbès & Solier 1851	Temperate Northern Pacific	1905	Vannes - Bay of Biscay	Fabre-Domergue, 1906 [58]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Chromista	Ochrophyta	<i>Cutleria multifida</i> (Turner) Greville, 1830	Temperate Northern Atlantic	Before 1931	Villefranche-sur-Mer - Western Mediterranean Sea	Sauvageau, 1931 [21]	UNKNOWN	Native	Native	Established
Chromista	Ochrophyta	<i>Desmaretia viridis</i> (O.F.Müller) J.V.Lamouroux, 1813	Across realms	1978	Thau lagoon - Western Mediterranean Sea	Verlaque, 1981 [46]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Native	Native	Casual
Chromista	Ochrophyta	<i>Dictyota cyanoloma</i> Tronholm, De Clerck, A.Gómez-Garreta & Rull Lluch, 2010	Temperate Australasia	1999	Cannes - Western Mediterranean Sea	Steen et al. 2017 [59]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Established	Established
Chromista	Ochrophyta	<i>Halothrix lumbricalis</i> (Kützinger) Reinke, 1888	Temperate Northern Atlantic	1985	Western Mediterranean Sea	Ben Maiz 1986 [6]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Native	Native	Casual
Chromista	Ochrophyta	<i>Leathesia marina</i> (Lyngbye) Decaisne, 1842	Temperate Northern Atlantic	Before 1905	Western Mediterranean Sea	Calvet, 1905 [60]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Native	Native	Established
Chromista	Ochrophyta	<i>Macrocystis pyrifera</i> (Linnaeus) C.Agardh, 1820	Temperate Australasia	1972	Northern Seas	Braud et al. 1974 [61]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Extinct	Absent	Absent
Chromista	Ochrophyta	<i>Punctaria tenuissima</i> (C.Agardh) Greville, 1830	Temperate Northern Atlantic	Before 1971	Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Native	Native	Casual

Chromista	Ochrophyta	<i>Pylaiella littoralis</i> (Linnaeus) Kjellman, nom. cons., 1872	Temperate Northern Atlantic	1912	Northern Seas	Hariot, 1912 [62]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Casual
Chromista	Ochrophyta	<i>Rugulopteryx okamurae</i> (E.Y.Dawson) I.K.Hwang, W.J.Lee & H.S.Kim, 2009	Temperate Northern Pacific	2002	Western Mediterranean Sea	Verlaque et al. 2009 [63]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Established to invasive
Chromista	Ochrophyta	<i>Saccharina japonica</i> (Areschoug) C.E.Lane, C.Mayes, Druehl & G.W.Saunders, 2006	Temperate Northern Pacific	1976	Western Mediterranean Sea	Ben Maiz, 1986 [6]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Chromista	Ochrophyta	<i>Sargassum muticum</i> (Yendo) Fensholt, 1955	Temperate Northern Pacific	1975	Northern Seas	Gruet, 1976 [64]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) UNAIDED: Natural dispersal across borders of invasive alien species that have been introduced through pathways 1 to 5	Invasive	Invasive	Invasive
Chromista	Ochrophyta	<i>Scytosiphon dotyi</i> M.J.Wynne, 1969	Temperate Northern Pacific	1994	Western Mediterranean Sea	Verlaque, 2001 [13]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Chromista	Ochrophyta	<i>Sphaerotrichia divaricata</i> (C.Agardh) Kylin, 1940	Hybridization	1894	Bay of Biscay	Riouall, 1985 [57]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Casual	Absent
Chromista	Ochrophyta	<i>Sphaerotrichia firma</i> (E.S.Gepp) A.D.Zinova, 1958	Temperate Northern Atlantic	1849	Western Mediterranean Sea	Riouall, 1985 [57]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Chromista	Ochrophyta	<i>Undaria pinnatifida</i> (Harvey) Suringar, 1873	Temperate Northern Pacific	1971	Western Mediterranean Sea	Perez et al. 1981 [65]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) RELEASE IN NATURE: Fishery in the wild (including game fishing)	Invasive	Established to Invasive	Established
Animalia	Annelida	<i>Arhynchite arhynchite</i> (Ikeda, 1924)	Central Indo-Pacific	2001	Unknown - Western Mediterranean Sea	Saiz Salinas & Amouroux, 2010 [66]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Absent	Casual
Animalia	Annelida	<i>Bispira polyomma</i> Giangrande & Faasse, 2012	Cryptogenic	2017	Brest - Northern Seas	Droual et al. submitted; ICES, 2022 [67,68]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Absent
Animalia	Annelida	<i>Boccardia polybranchia</i> (Haswell, 1885)	Cryptogenic	1919	North cotentin - Northern Seas	Fauvel, 1927 [69]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Annelida	<i>Boccardia proboscidea</i> Hartman, 1940	Temperate Northern Pacific	1999	Leucate - Western Mediterranean Sea	Radashevsky et al. 2019 [70]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Animalia	Annelida	<i>Boccardia pseudonatrix</i> Day, 1961	Temperate Southern Africa	2018	Normandy - Northern Seas	Sato-Okoshi et al. 2022 [71]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Absent	Absent
Animalia	Annelida	<i>Boccardia semibranchiata</i> Guérin, 1990	Mediterranean Sea	1999	Arcachon - Bay of Biscay	Gagnon, 1999 [72]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Native
Animalia	Annelida	<i>Boccardiella hamata</i> (Webster, 1879)	Temperate Northern Atlantic	2012	Unknown	Sauriau et al. 2013 (WFD data) [73]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Annelida	<i>Branchiommma luctuosum</i> (Grube, 1870)	Western Indo-Pacific	2021	Toulon - Western Mediterranean Sea	de Vogüé pers. comm. 2022 ; Tiralongo et al. 2022 [74]	UNKNOWN	Absent	Absent	Casual

Animalia	Annelida	<i>Chaetozone corona</i> Berkeley & Berkeley, 1941	Temperate Northern Pacific	1996	Glénan Archipelago - Bay of Biscay	Le Garrec et al. 2017 [75]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Animalia	Annelida	<i>Clymenella torquata</i> (Leidy, 1855)	Temperate Northern Atlantic	1977	Unknown - Northern Seas	Glaçon, 1977 [76]	TRANSPORT- STOWAWAY: Ship/boat ballast water	One record	Absent	Absent
Animalia	Annelida	<i>Euchone limnicola</i> Reish, 1959	Temperate Northern Pacific	2015	Dunkerque - Northern Seas	Guyonnet & Borg, 2015 [77]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Absent
Animalia	Annelida	<i>Ficopomatus enigmaticus</i> (Fauvel, 1923)	Temperate Australasia	1921	Caen - Northern Seas	Fauvel, 1927 [69]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established to invasive	Established to invasive	Established to invasive
Animalia	Annelida	<i>Goniadella gracilis</i> (Verrill, 1873)	Temperate Northern Atlantic	2001	Bay of Biscay	Blanchet et al. 2004 [78]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Casual
Animalia	Annelida	<i>Hydroides dianthus</i> (Verrill, 1873)	Cryptogenic	1906	Western Mediterranean Sea	Saint-Joseph, 1906 [79]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Absent
Animalia	Annelida	<i>Hydroides dirampha</i> Mörch, 1863	Tropical Atlantic	2019	Western Mediterranean Sea	Tempesti et al. 2022 [80]	UNKNOWN	Absent	Absent	One record
Animalia	Annelida	<i>Hydroides elegans</i> (Haswell, 1883) [nomen protectum]	Temperate Australasia	Before 1944	Western Mediterranean Sea	Berner, 1944 [81]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Casual	Casual	Casual
Animalia	Annelida	<i>Hydroides ezoensis</i> Okuda, 1934	Temperate Northern Pacific	1968	Bay of Biscay	Zibrowius, 1978 [82]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Annelida	<i>Lysidice collaris</i> Grube, 1870	Western Indo-Pacific	2022	Western Mediterranean Sea	Conté, 2022 [83]	UNKNOWN	Absent	Absent	Established
Animalia	Annelida	<i>Marenzelleria viridis</i> (Verrill, 1873)	Temperate Northern Atlantic	2009	Northern Seas	Dewarumez et al. 2011 [84]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Casual	Absent	Absent
Animalia	Annelida	<i>Marphysa victori</i> Lavesque, Daffe, Bonifácio & Hutchings, 2017	Temperate Northern Pacific	2016	Bay of Biscay	Lavesque et al. 2017 [85]; Lavesque et al. 2020 [86]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Established	Absent
Animalia	Annelida	<i>Metasychis gotoi</i> (Izuka, 1902)	Temperate Northern Pacific	2003	Bay of Biscay	REBENT Program	UNKNOWN	Absent	One record	Absent
Animalia	Annelida	<i>Neanthes agulhana</i> (Day, 1963)	Western Indo-Pacific	2010	Western Mediterranean Sea	CARTHAM Program	UNKNOWN	Absent	Absent	Established
Animalia	Annelida	<i>Neodexiospira brasiliensis</i> (Grube, 1872)	Tropical Atlantic	1976	Northern Seas	In Pezy et al. 2021 [51]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Casual	Casual	Absent
Animalia	Annelida	<i>Nereis jacksoni</i> Kinberg, 1865	Temperate Australasia	1964	Western Mediterranean Sea	Harmelin, 1964 [87]	UNKNOWN	Absent	Absent	Casual
Animalia	Annelida	<i>Notomastus aberans</i> Day, 1957	Western Indo-Pacific	1964	Western Mediterranean Sea	Harmelin, 1968 [88]	UNKNOWN	Absent	Absent	Casual

Animalia	Annelida	<i>Palola valida</i> (Gravier, 1900)	Western Indo-Pacific	2022	Western Mediterranean Sea	Conté, 2022 [83]	UNKNOWN	Absent	Absent	Established
Animalia	Annelida	<i>Pileolaria berkeleyana</i> (Rioja, 1942)	Temperate Northern Pacific	1977	Western Mediterranean Sea	Zibrowius & Bianchi, 1981 [89]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Established	Established
Animalia	Annelida	<i>Polydora colonia</i> Moore, 1907	Temperate Northern Atlantic	2016	Northern Seas	IMPECAPE Program	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Annelida	<i>Polydora hoplura</i> Claparède, 1868	Mediterranean Sea	1884	Northern Seas	Fauvel, 1923 [90]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Native
Animalia	Annelida	<i>Polydora onagawaensis</i> Teramoto, Sato-Okoshi, Abe, Nishitani & Endo, 2013	Temperate Northern Pacific	2018	Northern Seas	Sato-Okoshi et al. 2022 [71]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Absent	Absent
Animalia	Annelida	<i>Polydora websteri</i> Hartman in Loosanoff & Engle, 1943	Temperate Northern Atlantic	2018	Northern Seas	Sato-Okoshi et al. 2022 [71]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Absent	Absent
Animalia	Annelida	<i>Pseudopolydora kempii japonica</i> Imajima & Hartman, 1964	Temperate Northern Pacific	2015	Bay of Biscay	Latry et al. in prep.	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Established	Absent
Animalia	Annelida	<i>Pseudopolydora paucibranchiata</i> (Okuda, 1937)	Temperate Northern Pacific	2011	Bay of Biscay	WFD Programme for the oldest record; Radashevsky et al. 2020 for the status	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Animalia	Annelida	<i>Spirorbis (Spirorbis) marioni</i> Caullery & Mesnil, 1897	Western Indo-Pacific	1977	Western Mediterranean Sea	Zibrowius & Bianchi, 1981 [89]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Established
Animalia	Annelida	<i>Streblospio benedicti</i> Webster, 1879	Temperate Northern Atlantic	1982	Bay of Biscay	da Fonsêca-Genevois & Cazaux, 1987 [91]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Absent
Animalia	Annelida	<i>Syllis hyllebergi</i> (Licher, 1999)	Western Indo-Pacific	2019	Western Mediterranean Sea	Tempesti et al. 2022 [80]	CORRIDOR: Interconnected waterways/basins/ seas TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Casual
Animalia	Annelida	<i>Terebella ehrenbergi</i> Grube, 1869	Temperate Northern Pacific	1950	Western Mediterranean Sea	Pérès, 1952 [92]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	One record
Animalia	Annelida	<i>Thelepus japonicus</i> Marenzeller, 1884	Temperate Northern Pacific	2017	Bay of Biscay	Lavesque et al. 2020 [93]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Arthropoda	<i>Acantharctus posteli</i> (Forest, 1963)	Tropical Atlantic	2014	Port Cros - Western Mediterranean Sea	INPN (https://inpn.mnhn.fr/espece/c_d_nom/530132/tab/carte)	UNKNOWN	Absent	Absent	Casual
Animalia	Arthropoda	<i>Acartia (Acanthacartia) tonsa</i> Dana, 1849	Central Indo-Pacific	1925	Caen - Northern Seas	Remy, 1927 [94]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established to invasive	Established to invasive	Established
Animalia	Arthropoda	<i>Acartia (Acartiura) omorii</i> Bradford, 1976	Temperate Northern Pacific	2004	Off Calais - Northern Seas	Seuront, 2005 [95]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Casual	Absent	Absent
Animalia	Arthropoda	<i>Ammothea hilgendorfi</i> (Böhm, 1879)	Temperate Northern Pacific	2019	Ria d'Etel & Bastia - Western Mediterranean Sea & Bay of Biscay	Le Roux et al. 2020 [96]; Tempesti et al. 2022 [80]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Casual	Casual

Animalia	Arthropoda	<i>Amphibalanus amphitrite amphitrite</i> (Darwin, 1854)	Central Indo-Pacific	1886	Ouistreham - Northern Seas	Bishop, 1950 [97]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Animalia	Arthropoda	<i>Amphibalanus eburneus</i> (Gould, 1841)	Temperate Northern Atlantic	1872	La Rochelle - Bay of Biscay	Barnes et al. 1972 [98]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Animalia	Arthropoda	<i>Amphibalanus improvisus</i> (Darwin, 1854)	Temperate Northern Atlantic	1872	Coasts of Charente and in Arcachon Bay - Bay of Biscay	Fischer, 1872 [99]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Animalia	Arthropoda	<i>Amphibalanus reticulatus</i> (Utinomi, 1967)	Central Indo-Pacific	1977	Toulon - Western Mediterranean Sea	Gouilletquer, 2016 [100]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Casual
Animalia	Arthropoda	<i>Ampithoe valida</i> S.I. Smith, 1873	Temperate Northern Atlantic	2000	Thau lagoon - Western Mediterranean Sea	Faasse, 2015 [101]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Casual
Animalia	Arthropoda	<i>Aoroides curvipes</i> Ariyama, 2004	Temperate Northern Pacific	2009	Arcachon bay - Bay of Biscay	Gouillieux et al. 2016 [102]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Established	Absent
Animalia	Arthropoda	<i>Aoroides longimerus</i> Ren & Zheng, 1996	Temperate Northern Pacific	2013	Arcachon bay - Bay of Biscay	Gouillieux et al. 2016 [102]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Arthropoda	<i>Aoroides semicurvatus</i> Ariyama, 2004	Temperate Northern Pacific	2009	Arcachon bay - Bay of Biscay	Gouillieux et al. 2016 [102]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Arthropoda	<i>Artemia monica</i> Verrill, 1869	Temperate Northern Pacific	1972	Sète - Western Mediterranean Sea	Thiery & Robert, 1992 [103]	UNKNOWN	Absent	Casual	Casual
Animalia	Arthropoda	<i>Austrominius modestus</i> (Darwin, 1854)	Temperate Australasia	1950	Wimereux - Northern Seas	Bishop, 1954 [104]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established to invasive	Established to invasive	Established to invasive
Animalia	Arthropoda	<i>Balanus trigonus</i> Darwin, 1854	Across realms	1920	Unknown - Western Mediterranean Sea	Gruvel, 1920 [105]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Casual	Casual
Animalia	Arthropoda	<i>Brachynotus sexdentatus</i> (Risso, 1827)	Mediterranean Sea	Before 1963	Roscoff - Northern Seas	Bourdon, 1965 [106]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Native
Animalia	Arthropoda	<i>Callinectes sapidus</i> Rathbun, 1896	Tropical Atlantic	1900	Rochefort - Bay of Biscay	Bouvier, 1901 [107]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Casual	Extinct	Invasive
Animalia	Arthropoda	<i>Caprella mutica</i> Schurin, 1935	Temperate Northern Pacific	2004	Le Havre - Northern Seas	Breton, 2005 [108]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Animalia	Arthropoda	<i>Caprella scaura</i> Templeton, 1836	Western Indo-Pacific	2012	Ajaccio - Western Mediterranean Sea	Ros et al. 2014 [109]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Established	Established
Animalia	Arthropoda	<i>Chelicorophium curvispinum</i> (G.O. Sars, 1895)	Black & Caspian Seas	2006	Bay of Somme - Northern Seas	Dewarumez et al. 2011 [84]	CORRIDOR: Interconnected waterways/basins/ seas TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers	Casual	Absent	Absent

							on animals (except parasites, species transported by host/vector)			
Animalia	Arthropoda	<i>Dyspanopeus sayi</i> (Smith, 1869)	Temperate Northern Atlantic	2007	Seudre Estuary - Bay of Biscay	Aubert & Sauriau, 2015 [110]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Established	Absent
Animalia	Arthropoda	<i>Eocuma sarsii</i> (Kossmann), 1880	Western Indo-Pacific	1901	Unknown - Western Mediterranean Sea	Walker, 1901 [111]	CORRIDOR: Interconnected waterways/basins/ seas	Absent	Absent	Established
Animalia	Arthropoda	<i>Eriocheir sinensis</i> H. Milne Edwards, 1853	Temperate Northern Pacific	1930-1936	Boulogne-sur-mer - Northern Seas	Hoestlandt, 1948 [112]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Casual
Animalia	Arthropoda	<i>Eurytemora americana</i> Williams, 1906	Temperate Northern Atlantic	1977	Dunkerque - Northern Seas	Brylinski 2009 [113]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Absent	Absent
Animalia	Arthropoda	<i>Eurytemora pacifica</i> Sato, 1913	Temperate Northern Pacific	1986	Marennes-Oléron - Bay of Biscay	Sautour, 1991 [114]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Established	Absent
Animalia	Arthropoda	<i>Fistulobalanus albicostatus</i> (Pilsbry, 1916)	Temperate Northern Pacific	1973-1974	Bay of Biscay	Gruet et al. 1976 [115]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Extinct	Absent
Animalia	Arthropoda	<i>Grandidierella japonica</i> Stephensen, 1938	Temperate Northern Pacific	2010	Bay of Biscay	Jourde et al. 2013 [116]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Arthropoda	<i>Guinearma alberti</i> (Rathbun, 1921)	Tropical Atlantic	2016	Northern Seas	Pezy et al. 2017 [117]	RELEASE IN NATURE: Other intentional release	One record	Absent	Absent
Animalia	Arthropoda	<i>Hemigrapsus sanguineus</i> (De Haan, 1835)	Temperate Northern Pacific	1999	Northern Seas	Breton et al. 2002 [118]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Invasive	Absent	Absent
Animalia	Arthropoda	<i>Hemigrapsus takanoi</i> Asakura & Watanabe, 2005	Temperate Northern Pacific	1993	Bay of Biscay	Noël et al. 1997 [119]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Invasive	Established	Absent
Animalia	Arthropoda	<i>Hemimysis anomala</i> G.O. Sars, 1907	Black Sea and Mediterranean Sea	2000	Unknown	Baffreau et al. 2018 [41]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Casual	Absent	Native
Animalia	Arthropoda	<i>Homarus americanus</i> H. Milne Edwards, 1837	Temperate Northern Atlantic	Before 1970	Northern Seas	D'Udekem d'Acoz, 1999 [120]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling RELEASE IN NATURE: Fishery in the wild (including game fishing)	Casual	Casual	Absent
Animalia	Arthropoda	<i>Ianiropsis serricaudis</i> Gurjanova, 1936	Temperate Northern Pacific	2013	Bay of Biscay	Gouillieux et al. 2018 [121]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Animalia	Arthropoda	<i>Incisocalliope aestuarius</i> (Watling & Maurer, 1973)	Temperate Northern Atlantic	1975	Bay of Biscay	Bachelet et al. 2020 [122]	UNKNOWN	Established	Established	Absent
Animalia	Arthropoda	<i>Limnoria lignorum</i> (Rathke, 1799)	Cryptogenic	1878	Northern Seas	Clavenad, 1879 [123]	UNKNOWN	Casual	Casual	Casual
Animalia	Arthropoda	<i>Limnoria quadripunctata</i> Holthuis, 1949	Cryptogenic	1972	Bay of Biscay	Blanchard et al. 2010 [124]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Casual	Casual	Absent

Animalia	Arthropoda	<i>Limnoria tripunctata</i> Menzies, 1951	Cryptogenic	2009	Bay of Biscay	Le Roux, 2009 [125]	UNKNOWN	Absent	Casual	Absent
Animalia	Arthropoda	<i>Megabalanus tintinnabulum</i> (Linnaeus, 1758)	Across realms	in the 1970s	Bay of Biscay	Gouletquer et al. 2002 [126]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Extinct	Extinct	Absent
Animalia	Arthropoda	<i>Melita nitida</i> S.I. Smith in Verrill, 1873	Temperate Northern Atlantic	2013	Bay of Biscay	Gouillieux et al. 2016 [127]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Established	Absent
Animalia	Arthropoda	<i>Monocorophium acherusicum</i> (Costa, 1853)	Cryptogenic	1898	Northern Seas	Chevreux, 1898 [128]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Animalia	Arthropoda	<i>Monocorophium sextonae</i> (Crawford, 1937)	Cryptogenic	1936	Northern Seas	Bertrand, 1938 [129]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Animalia	Arthropoda	<i>Monocorophium uenoi</i> (Stephensen, 1932)	Temperate Northern Pacific	2007	Western Mediterranean Sea	Gouilleux & Massé, 2019 [130]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Established	Absent
Animalia	Arthropoda	<i>Mycicola ostreae</i> Hoshina & Sugiura, 1953	Temperate Northern Pacific	1970	Bay of Biscay	Comps, 1972 [131]	TRANSPORT- HITCHHIKERS: Parasites on animals (including species transported by host and vector)	Absent	Established	Established
Animalia	Arthropoda	<i>Mytilicola intestinalis</i> Steuer, 1902	Cryptogenic	1950	All	Lambert, 1951 [132]	TRANSPORT- HITCHHIKERS: Parasites on animals (including species transported by host and vector)	Established	Established	Established
Animalia	Arthropoda	<i>Mytilicola orientalis</i> Mori, 1935	Temperate Northern Pacific	1977	Bay of Biscay	His, 1977 [133]	TRANSPORT- HITCHHIKERS: Parasites on animals (including species transported by host and vector)	Established	Established	Established
Animalia	Arthropoda	<i>Necora puber</i> (Linnaeus, 1767)	Cryptogenic	Before 1987	Unknown	Holthuis, 1987 [134]	UNKNOWN	Established and considered as native	Established and considered as native	Established
Animalia	Arthropoda	<i>Neomysis americana</i> (S.I. Smith, 1873)	Temperate Northern Atlantic	2017	Northern Seas	Massé et al. 2018 [135]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Absent	Absent
Animalia	Arthropoda	<i>Neomysis integer</i> (Leach, 1814)	Temperate Northern Atlantic	1939	Western Mediterranean Sea	Băcescu, 1941 [136]	UNKNOWN	Native	Native	Extinct
Animalia	Arthropoda	<i>Odontodactylus scyllarus</i> (Linnaeus, 1758)	Central Indo-Pacific	2009	Northern Seas	Noël, 2011 [137]	ESCAPE FROM CONFINEMENT: Pet/aquarium/ terrarium species (including live food for such species)	One record	Absent	Absent
Animalia	Arthropoda	<i>Palaemon macrodactylus</i> Rathbun, 1902	Temperate Northern Pacific	1998	Bay of Biscay	Beguer et al. 2007 [138]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Casual	Established	Absent
Animalia	Arthropoda	<i>Paracerceis sculpta</i> (Holmes, 1904)	Temperate Northern Pacific	2014	Western Mediterranean Sea	Marchini et al. 2015 [139]	UNKNOWN	Absent	Absent	Established
Animalia	Arthropoda	<i>Paranthura japonica</i> Richardson, 1909	Temperate Northern Pacific	2007	Bay of Biscay	Lavesque et al. 2013 [140]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water ESCAPE FROM CONFINEMENT: Live food and live bait	Established	Established	Established

Animalia	Arthropoda	<i>Parvocalanus crassirostris</i> (Dahl F., 1894)	Central Indo-Pacific	Before 2005	Western Mediterranean Sea	Razouls et al. 2005-2022 (https://copepodes.obs-banyuls.fr/en/fichesp_subzone.s.php?sp=1090&nloc=21&d=o)	UNKNOWN	Absent	Absent	Casual
Animalia	Arthropoda	<i>Penaeus aztecus</i> Ives, 1891	Tropical Atlantic	2015	Western Mediterranean Sea	Galil et al. 2017 [141]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Absent	Casual
Animalia	Arthropoda	<i>Penaeus japonicus</i> Spence Bate, 1888	Temperate Northern Pacific	1969	Western Mediterranean Sea & Bay of Biscay	Tournier, 1972 [142]	ESCAPE FROM CONFINEMENT: Aquaculture/ mariculture	One record	Casual	Established
Animalia	Arthropoda	<i>Penaeus semisulcatus</i> De Haan, 1844	Central Indo-Pacific	2016	Northern Seas	Pezy et al. 2017 [143]	TRANSPORT- STOWAWAY: Ship/boat ballast water	One record	Absent	Absent
Animalia	Arthropoda	<i>Percnon gibbesi</i> (H. Milne Edwards, 1853)	Cryptogenic	2010	Western Mediterranean Sea	Noël, 2015 [144]	UNKNOWN	Absent	Absent	Invasive
Animalia	Arthropoda	<i>Pseudodiptomus marinus</i> Sato, 1913	Temperate Northern Pacific	2010	Western Mediterranean Sea & Northern Seas	Brylinski et al. 2012 ; Delpy et al. 2012 [145,146]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established to invasive	Established to invasive	Established to invasive
Animalia	Arthropoda	<i>Pseudomyicola spinosus spinosus</i> (Raffaele & Monticelli, 1885)	Mediterranean Sea	1951	Western Mediterranean Sea	Korringa & Lambert, 1951 [147]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Parasites on animals (including species transported by host and vector)	Casual	Casual	Casual
Animalia	Arthropoda	<i>Ptilohyale littoralis</i> (Stimpson, 1853)	Temperate Northern Atlantic	1985	Bay of Biscay	Arresti, 1985 in Lo Brutto, 2018 [148]	TRANSPORT- STOWAWAY: Ship/boat hull fouling UNAIDED: Natural dispersal across borders of invasive alien species that have been introduced through pathways 1 to 5	Established	Established	Absent
Animalia	Arthropoda	<i>Rhithropanopeus harrisi</i> (Gould, 1841)	Temperate Northern Atlantic	1954	Northern Seas	Saudray, 1956 [149]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Animalia	Arthropoda	<i>Sarsamphiascus tenuiremis</i> (Brady & Robertson, 1876)	Cryptogenic	2012	Western Mediterranean Sea	Mascart et al. 2015 [150]	UNKNOWN	Absent	Absent	Established
Animalia	Arthropoda	<i>Solidobalanus fallax</i> (Broch, 1927)	Mediterranean Sea	1976	Northern Seas	Gruet et al. 2014 [151]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Native
Animalia	Arthropoda	<i>Sphaeroma walkeri</i> Stebbing, 1905	Temperate Northern Atlantic	1806	Bay of Biscay	Zibrowius, 1991 [152]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	One record
Animalia	Arthropoda	<i>Stenothoe georgiana</i> Bynum & Fox, 1977	Temperate Northern Atlantic	2015	Western Mediterranean Sea	Ulman et al. 2017 [153]	UNKNOWN	Absent	Absent	Casual
Animalia	Arthropoda	<i>Stephos cryptospinosus</i> Zagami, Campolmi & Costanzo, 2000	Mediterranean Sea	2010	Bay of Biscay	Brylinski & Courcot, 2019 [154]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	One record	Native
Animalia	Arthropoda	<i>Stephos marsalensis</i> Costanzo, Campolmi & Zagami, 2000	Mediterranean Sea	2014	Bay of Biscay	Brylinski & Courcot, 2019 [154]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	One record	Native
Animalia	Arthropoda	<i>Synidotea laticauda</i> Benedict, 1897	Temperate Northern Pacific	Before 1975	Bay of Biscay	Mees & Fockede, 1993 [155]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Absent

Animalia	Arthropoda	<i>Telmatogeton japonicus</i> Tokunaga, 1933	Temperate Northern Pacific	2005	Northern Seas	Dewarumez et al. 2011 [84]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Absent	Casual
Animalia	Bryozoa	<i>Amathia verticillata</i> (delle Chiaje, 1822)	Cryptogenic	1888	Menton - Western Mediterranean Sea	Joliet, 1888 [156]	UNKNOWN	Absent	Absent	Established to invasive but with no proven impact
Animalia	Bryozoa	<i>Bugula neritina</i> (Linnaeus, 1758)	Cryptogenic	1900	Thau lagoon - Western Mediterranean Sea	Calvet, 1900 [157]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Invasive with no proven impact	Invasive with no proven impact	Established
Animalia	Bryozoa	<i>Bugulina fulva</i> (Ryland, 1960)	Cryptogenic	1966	Unknown - Western Mediterranean Sea	Prenant & Bobin, 1966 [158]	UNKNOWN	Established	Casual	Casual
Animalia	Bryozoa	<i>Bugulina simplex</i> (Hincks, 1886)	Mediterranean Sea	1994	Arcachon - Bay of Biscay	d'Hondt & Cazaux, 1994 [159]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Native
Animalia	Bryozoa	<i>Bugulina stolonifera</i> (Ryland, 1960)	Temperate Northern Atlantic	1966	Unknown - unknown	Prenant & Bobin, 1966 [158]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Animalia	Bryozoa	<i>Caulibugula zanzibariensis</i> (Waters, 1913)	Western Indo- Pacific	2003	Arcachon bay - Bay of Biscay	d'Hondt & Breton, 2005 [160]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Casual	Absent
Animalia	Bryozoa	<i>Celleporaria brunnea</i> (Hincks, 1884)	Temperate Northern Pacific	2007	Arcachon bay - Bay of Biscay	André et al. 2014 [161]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Casual	Established
Animalia	Bryozoa	<i>Crisularia serrata</i> (Lamarck, 1816)	Temperate Northern Atlantic	1902	Thau lagoon - Western Mediterranean Sea	Calvet, 1902 [162]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Native	Native	Casual
Animalia	Bryozoa	<i>Fenestrulina delicia</i> Winston, Hayward & Craig, 2000	Temperate Northern Atlantic	2007	Granville - Northern Seas	De Blauwe 2008 [163]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Absent	Absent
Animalia	Bryozoa	<i>Pacificincola perforata</i> (Okada & Mawatari, 1937)	Temperate Northern Pacific	2001	Bay of Biscay	De Blauwe, 2006 [164]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Casual	Absent
Animalia	Bryozoa	<i>Schizoporella japonica</i> Ortmann, 1890	Temperate Northern Pacific	2021	Northern Seas	ICES, 2022 [68]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Absent	Absent
Animalia	Bryozoa	<i>Tricellaria inopinata</i> d'Hondt & Occhipinti Ambroggi, 1985	Temperate Northern Pacific	2000	Bay of Biscay	De Blauwe & Faasse, 2001 [165]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Invasive with no proven impact	Invasive with no proven impact	Casual
Animalia	Bryozoa	<i>Victorella pavida</i> Saville-Kent, 1870	Cryptogenic	1925	Northern Seas	Poisson & Remy, 1925 [166]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Casual	Casual	Casual

Animalia	Bryozoa	<i>Watersipora arcuata</i> Banta, 1969	Temperate Northern Pacific	2016	Unknown	Ulman et al. 2017 [153]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	One record
Animalia	Bryozoa	<i>Watersipora souleorum</i> Vieira, Spencer Jones & Taylor, 2014	Cryptogenic	1962	Western Mediterranean Sea	Reverter-Gil & Souto, 2019 [167]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Casual
Animalia	Bryozoa	<i>Watersipora subatra</i> (Ortmann, 1890)	Temperate Northern Pacific	1983	Bay of Biscay	d'Hondt, 1984 [168]	TRANSPORT- STOWAWAY: Ship/boat hull fouling HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Animalia	Chordata	<i>Abudefduf vaigiensis</i> (Quoy & Gaimard, 1825)	Central Indo- Pacific	2005	Unknown - unknown	GBIF (https://www.gbif.org/fr/species/2398634)	TRANSPORT- STOWAWAY: Ship/boat ballast water CORRIDOR: Interconnected waterways/basins/ seas RELEASE IN NATURE: Other intentional release	Absent	Absent	Casual
Animalia	Chordata	<i>Acipenser baerii</i> Brandt, 1869	Temperate Northern Pacific	1999	Gironde Estuary (Bay of Biscay) - Bay of Biscay	Gouilletquer et al. 2002 [126]	RELEASE IN NATURE: Fishery in the wild (including game fishing) ESCAPE FROM CONFINMENT: Aquaculture/Mariculture	Casual	Extinct	Casual
Animalia	Chordata	<i>Aplidium antillense</i> (Gravier, 1955)	Tropical Atlantic	2004	Le Havre - Northern Seas	Ruellet & Breton, 2012 [169]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	One record	Absent	Absent
Animalia	Chordata	<i>Aplidium glabrum</i> (Verrill, 1871)	Temperate Northern Atlantic	2005	Le Havre - Northern Seas	Ruellet & Breton, 2012 [169]	UNKNOWN	Established	Established	Established
Animalia	Chordata	<i>Asterocarpa humilis</i> (Heller, 1878)	Central Indo- Pacific	2005	Camaret-sur-mer - Northern Seas	Bishop et al. 2013 [170]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Chordata	<i>Beryx splendens</i> Lowe, 1834	Across realms	1943	Unknown - Bay of Biscay	Bougis, 1945 in Wheeler, 1963 [171]	UNKNOWN	Absent	Established	Casual
Animalia	Chordata	<i>Botrylloides diegensis</i> Ritter & Forsyth, 1917	Temperate Northern Pacific	1999	Unknown - Northern Seas	Breton in Bishop et al. 2015 [172]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Animalia	Chordata	<i>Botrylloides violaceus</i> Oka, 1927	Temperate Northern Pacific	2004	Unknown - Northern Seas	Bishop & Lambert in Bishop et al. 2015 [172]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Animalia	Chordata	<i>Chilomycterus reticulatus</i> (Linnaeus, 1758)	Tropical Atlantic	2012	Marseille - Western Mediterranean Sea	INPN (https://inpn.mnhn.fr/espece/c_d_nom/533393/tab/carte)	UNKNOWN	Absent	Absent	One record
Animalia	Chordata	<i>Ciona robusta</i> Hoshino & Tokioka, 1967	Temperate Northern Pacific	2007	Brest, Perros-Guirec, Camaret-sur-mer, Concarneau - Bay of Biscay & Northern Seas	Nydam & Harrison, 2011 [173]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Animalia	Chordata	<i>Clavelina oblonga</i> Herdman, 1880	Temperate Northern Atlantic	1986	Thau lagoon - Western Mediterranean Sea	Monniot et al. 1986 [174]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Casual	Casual	Established
Animalia	Chordata	<i>Corella eumyota</i> Traustedt, 1882	Across realms	2002	Perros-Guirec - Northern Seas	Lambert, 2004 [175]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Absent

Animalia	Chordata	<i>Cynoscion regalis</i> (Bloch & Schneider, 1801)	Temperate Northern Atlantic	2021	Bay of Biscay - Bay of Biscay	ICES, 2022; Iglesias et al. in prep [68]	UNKNOWN	Absent	One record	Absent
Animalia	Chordata	<i>Cystodytes philippinensis</i> Herdman, 1886	Cryptogenic	Before 1927	Unknown - unknown	Harant, 1927 [176]	UNKNOWN	Absent	Absent	One record
Animalia	Chordata	<i>Dicologlossa hexopthalma</i> (Bennett, 1831)	Cryptogenic	2000	Unknown - Western Mediterranean Sea	Quignard, 2011 [177]	UNKNOWN	Absent	Absent	Casual
Animalia	Chordata	<i>Didemnum pseudovexillum</i> Turon & Viard, 2020	Cryptogenic	2015	Roscoff - Northern Seas	Turon et al. 2020 [178]	UNKNOWN	Established	Absent	Absent
Animalia	Chordata	<i>Didemnum vexillum</i> Kott, 2002	Temperate Northern Pacific	1968	Glénan Islands - Bay of Biscay	Lafargue, 1968 [179]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Animalia	Chordata	<i>Diplosoma listerianum</i> (Milne Edwards, 1841)	Cryptogenic	1905	St-Malo - Northern Seas	Baffreau et al. 2018 [41]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Animalia	Chordata	<i>Ecteinascidia styeloides</i> (Traustedt, 1882)	Tropical Atlantic	1983	Unknown - Western Mediterranean Sea	Monniot & Monniot, 1987 [180]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Established
Animalia	Chordata	<i>Epinephelus merra</i> Bloch, 1793	Central Indo-Pacific	2004	Embiez Island - Western Mediterranean Sea	Lelong, 2005 [181]	UNAIDED: Natural dispersal across borders of invasive alien species that have been introduced through pathways 1 to 5	Absent	Absent	One record
Animalia	Chordata	<i>Fistularia commersonii</i> Rüppell, 1838	Central Indo-Pacific	2007	Porquerolles - Western Mediterranean Sea	Bodilis et al. 2011 [182]	CORRIDOR: Interconnected waterways/basins/ seas	Absent	Absent	Established
Animalia	Chordata	<i>Fistularia petimba</i> Lacepède, 1803	Central Indo-Pacific	2018	Bay of Biscay	Francour comm. pers in Iglesias et al. 2020 [183]	UNKNOWN	Absent	One record	Absent
Animalia	Chordata	<i>Holocentrus adscensionis</i> (Osbeck, 1765)	Tropical Atlantic	2019	Western Mediterranean Sea	Iglesias et al. 2021 [184]	TRANSPORT- STOWAWAY: Ship/boat ballast water ESCAPE FROM CONFINEMENT: Pet/aquarium/ terrarium species (including live food for such species)	Absent	Absent	One record
Animalia	Chordata	<i>Microcosmus anchylodeirus</i> Traustedt, 1883	Temperate Northern Pacific	1980	Western Mediterranean Sea	Monniot, 2016 [185]	UNKNOWN	Absent	Absent	Casual
Animalia	Chordata	<i>Microcosmus squamiger</i> Michaelsen, 1927	Temperate Australasia	1979	Western Mediterranean Sea	Monniot, 1981 [186]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	One record	Established
Animalia	Chordata	<i>Molgula manhattensis</i> (De Kay, 1843)	Cryptogenic	1826	Northern Seas	Breton, 2014 [187]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Casual	Casual	Established
Animalia	Chordata	<i>Oncorhynchus gorbusha</i> (Walbaum, 1792)	Temperate Northern Pacific	2021	Northern Seas	NASCO 2022	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Established	Absent	Absent
Animalia	Chordata	<i>Oncorhynchus mykiss</i> (Walbaum, 1792)	Temperate Northern Pacific	1984	Northern Seas	Le Mao, 1985 in Le Mao 2009 [188]	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Established	Established	Established
Animalia	Chordata	<i>Paracanthurus hepatus</i> (Linnaeus, 1766)	Across realms	2021	Western Mediterranean Sea	Pergent-Martini & Provost 2022 [189]	ESCAPE FROM CONFINEMENT: Pet/aquarium/ terrarium species (including live food for such species)	Absent	Absent	One record
Animalia	Chordata	<i>Perophora japonica</i> Oka, 1927	Temperate Northern Pacific	1982	Northern Seas	Monniot & Monniot, 1985 [190]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Casual

Animalia	Chordata	<i>Perophora viridis</i> Verrill, 1871	Cryptogenic	Before 1983	Unknown	Monniot, 1983 [191]	UNKNOWN	Absent	Absent	Casual
Animalia	Chordata	<i>Phallusia mamillata</i> (Cuvier, 1815)	Cryptogenic	1923	Northern Seas	Lozach & Dauvin, 2012 [192]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Animalia	Chordata	<i>Polyandrocarpa zorritensis</i> (Van Name, 1931)	Temperate Southern Africa	Unknown	Unknown	Unknown	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Established
Animalia	Chordata	<i>Psenes pellucidus</i> Lütken, 1880	Across realms	1995	Western Mediterranean Sea	Quignard & Tomasini, 2000 [193]	UNKNOWN	Absent	Absent	Casual
Animalia	Chordata	<i>Siganus luridus</i> (Rüppell, 1829)	Western Indo-Pacific	2008	Western Mediterranean Sea	Daniel et al. 2009 [194]	CORRIDOR: Interconnected waterways/basins/ seas UNAIDED: Natural dispersal across borders of invasive alien species that have been introduced through pathways 1 to 5	Absent	Absent	Casual
Animalia	Chordata	<i>Siganus rivulatus</i> Forsskål & Niebuhr, 1775	Western Indo-Pacific	2010	Western Mediterranean Sea	ICES, 2011[195] ; Otero et al. 2013 [196]	CORRIDOR: Interconnected waterways/basins/ seas UNAIDED: Natural dispersal across borders of invasive alien species that have been introduced through pathways 1 to 5	Absent	Absent	Casual
Animalia	Chordata	<i>Sphoeroides pachygaster</i> (Müller & Troschel, 1848)	Hybridization	1885	Bay of Biscay	Quéro et al. 1991 [197]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Casual	Casual
Animalia	Chordata	<i>Stephanolepis diaspros</i> Fraser-Brunner, 1940	Western Indo-Pacific	2004	Western Mediterranean Sea	MedMIS (IUCN)	CORRIDOR: Interconnected waterways/basins/ seas	Absent	Absent	One record
Animalia	Chordata	<i>Styela canopus</i> (Savigny, 1816)	Western Indo-Pacific	2019	Western Mediterranean Sea	Tempesti et al. 2022 [80]	UNKNOWN	Absent	Absent	One record
Animalia	Chordata	<i>Styela clava</i> Herdman, 1881	Temperate Northern Pacific	1968	Northern Seas	Monniot, 1970 [198]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established to invasive	Established to invasive	Established
Animalia	Chordata	<i>Styela plicata</i> (Lesueur, 1823)	Temperate Northern Pacific	1950	Western Mediterranean Sea	Pérès, 1952 [92]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Established	Established
Animalia	Chordata	<i>Synanceia verrucosa</i> Bloch & Schneider, 1801	Across realms	2017	Western Mediterranean Sea	GBIF (https://www.gbif.org/species/5201174)	CORRIDOR: Interconnected waterways/basins/ seas	Absent	Absent	One record
Animalia	Chordata	<i>Trididemnum savignii</i> (Herdman, 1886)	Cryptogenic	1970	Western Mediterranean Sea	Lafargue, 1972 [199]	UNKNOWN	Absent	Absent	Casual
Animalia	Cnidaria	<i>Amphogona pusilla</i> Hartlaub, 1909	Cryptogenic	1964	Unknown - unknown	MAMIAS	UNKNOWN	Absent	Absent	Casual
Animalia	Cnidaria	<i>Arctapodema australis</i> (Vanhöffen, 1912)	Across realms	1994	Unknown - Western Mediterranean Sea	Gili, 1998 [200]	UNKNOWN	Absent	Absent	One record
Animalia	Cnidaria	<i>Aurelia coerulea</i> von Lendenfeld, 1884	Temperate Northern Pacific	2002	Unknown - unknown	Schroth et al. 2002 [201] in Scorrano et al. 2016 [202]	UNKNOWN	Absent	Absent	One record
Animalia	Cnidaria	<i>Aurelia solida</i> Browne, 1905	Western Indo-Pacific	Before 2000	Cannes - Western Mediterranean Sea	Schroth et al. 2002 [201]	UNKNOWN	Absent	Absent	One record
Animalia	Cnidaria	<i>Blackfordia virginica</i> Mayer, 1910	Black & Caspian Seas	1971	Loire Estuary - Bay of Biscay	Denayer, 1973 [203]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Established	Absent
Animalia	Cnidaria	<i>Calypsothrix cerulea</i> Clarke, 1882	Cryptogenic	in the 1950s	Unknown - Northern Seas	Gouletquer, 2016 [100]	UNKNOWN	Casual	Absent	Casual
Animalia	Cnidaria	<i>Cirrhlovenia tetranema</i> Kramp, 1959	Cryptogenic	1963	Unknown - unknown	Goy, 1972 [204]	UNKNOWN	Absent	Absent	Casual

Animalia	Cnidaria	<i>Clytia mccradyi</i> (Brooks, 1888)	Central Indo-Pacific	1950	Banyuls-sur-mer - Western Mediterranean Sea	INPN (https://inpn.mnhn.fr/espece/c_d_nom/924641/tab/carte)	UNKNOWN	Absent	Absent	Casual
Animalia	Cnidaria	<i>Clytia linearis</i> (Thorneley, 1900)	Tropical Atlantic	1949	Villefranche-sur-mer - Western Mediterranean Sea	Picard, 1950 [205]	CORRIDOR: Interconnected waterways/basins/ seas	Absent	Absent	Casual
Animalia	Cnidaria	<i>Cordylophora caspia</i> (Pallas, 1771)	Black & Caspian Seas	1898	Loire estuary - Bay of Biscay	Ferrière, 1901 [206]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Absent
Animalia	Cnidaria	<i>Coryne eximia</i> Allman, 1859	Cryptogenic	1963	Unknown	Goy, 1972 [204]	UNKNOWN	Established	Established	Established
Animalia	Cnidaria	<i>Diadumene cincta</i> Stephenson, 1925	Cryptogenic	1925	Greater North Sea - Northern Seas	Stephenson, 1925 [207]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Cnidaria	<i>Diadumene lineata</i> (Verrill, 1869)	Temperate Northern Pacific	1890'	Unknown - Bay of Biscay	Gouletquer et al. 2002 [126]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Animalia	Cnidaria	<i>Eirene viridula</i> (Péron & Lesueur, 1810)	Cryptogenic	Unknown	Unknown - unknown	Unknown	UNKNOWN	Established	Absent	Established
Animalia	Cnidaria	<i>Eucheilota paradoxa</i> Mayer, 1900	Temperate Northern Atlantic	1977	Villefranche-sur-mer - Western Mediterranean Sea	Carré & Carré, 1990 [208]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	Casual
Animalia	Cnidaria	<i>Eudendrium carneum</i> Clarke, 1882	Temperate Northern Atlantic	1950	Ajaccio - Western Mediterranean Sea	Schuchert, 2008 [209]	UNKNOWN	Absent	Absent	One record
Animalia	Cnidaria	<i>Exaiptasia diaphana</i> (Rapp, 1829)	Temperate Northern Pacific	1974	Le Croisic & Bourgneuf Bay - Bay of Biscay	Gruet et al, 1976 [115]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Absent	Established
Animalia	Cnidaria	<i>Gonionemus vertens</i> A. Agassiz, 1862	Temperate Northern Pacific	1929	Northern Seas	Teissier, 1932 [210]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Animalia	Cnidaria	<i>Lovenella assimilis</i> (Browne, 1905)	Central Indo-Pacific	2007	Northern Seas	Brylinski et al. 2016 [211]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Casual	Absent	Absent
Animalia	Cnidaria	<i>Maeotias marginata</i> (Modeer, 1791)	Black Sea	1971	Bay of Biscay	Denayer, 1973 [203]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Established	Absent
Animalia	Cnidaria	<i>Nemopsis bachei</i> L. Agassiz, 1849	Temperate Northern Atlantic	1953	Bay of Biscay	Tiffon, 1956 [212]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Absent
Animalia	Cnidaria	<i>Oculina patagonica</i> de Angelis D'Ossat, 1908	Tropical Atlantic	1972	Western Mediterranean Sea	Zibrowius, 1974 [213]	RELEASE IN NATURE - Other intentional release	Absent	Absent	One record
Animalia	Cnidaria	<i>Oulastrea crispata</i> (Lamarck, 1816)	Temperate Northern Pacific	2012	Western Mediterranean Sea	Hoeksema & Ocana Vicente, 2014 [214]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	One record
Animalia	Ctenophora	<i>Mnemiopsis leidyi</i> A. Agassiz, 1865	Temperate Northern Atlantic	2005	Western Mediterranean Sea & Northern Seas	Delpy et al. 2012 [146]; Antajan et al. 2014 [215]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Established	Established
Animalia	Echinodermata	<i>Acanthaster planci</i> (Linnaeus, 1758)	Western Indo-Pacific	2006	Banyuls-sur-mer - Western Mediterranean Sea	INPN (https://inpn.mnhn.fr/espece/c_d_nom/444461/tab/carte)	TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Absent	Casual

Animalia	Mollusca	<i>Anomia chinensis</i> Philippi, 1849	Temperate Northern Pacific	1973- 1974	Bay of Bourgneuf - Bay of Biscay	Gruet et al. 1976 [115]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Extinct	Absent
Animalia	Mollusca	<i>Aplysia dactylomela</i> Rang, 1828	Cryptogenic	2016	Monaco - Western Mediterranean Sea	Karachle et al. 2016 [216]	UNKNOWN	Absent	Absent	Casual
Animalia	Mollusca	<i>Arcuatula senhousia</i> (Benson, 1842)	Temperate Northern Pacific	1982	Thau lagoon - Western Mediterranean Sea	Hoenselaar & Hoenselaar, 1989 [217]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Established to invasive	Established
Animalia	Mollusca	<i>Biuve fulvipunctata</i> (Baba, 1938)	Temperate Northern Pacific	2014	unknown - Western Mediterranean Sea	Citizen sciences: Horst, 2015	UNKNOWN	Absent	Absent	Casual
Animalia	Mollusca	<i>Bursatella leachii</i> Blainville, 1817	Across realms	2012	Var - Western Mediterranean Sea	Citizen Sciences: Riondy et al. 2021 (RIONDY Benoit, NIETUPSKI Marlène, SITTLER Alain-Pierre in : DORIS, 08/01/2021 : Bursatella leachii de Blainville, 1817, https://doris.ffessm.fr/ref/specie/2753)	UNKNOWN	Absent	Absent	Established
Animalia	Mollusca	<i>Cerithium scabridum</i> Philippi, 1848	Western Indo- Pacific	2020	Ajaccio - Western Mediterranean Sea	Citizen sciences (BioObs): https://bioobs.fr/fiche-espece/?id_espece=3613	CORRIDOR: Interconnected waterways/basins/ seas	Absent	Absent	Established
Animalia	Mollusca	<i>Chromodoris quadricolor</i> (Rüppell & Leuckart, 1830)	Western Indo- Pacific	Before 2008	Corsica - Western Mediterranean Sea	Vicente 2008 [218]	CORRIDOR: Interconnected waterways/basins/ seas TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Absent	Established
Animalia	Mollusca	<i>Corambe obscura</i> (A. E. Verrill, 1870)	Temperate Northern Atlantic	1973	Fouras - Bay of Biscay	Bouchet & Tardy, 1976 [219]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Casual	Absent
Animalia	Mollusca	<i>Crassostrea rhizophorae</i> (Guilding, 1828)	Tropical Atlantic	1976	Gironde estuary & La Tremblade - Bay of Biscay	Maurin & Gras, 1979 [220]	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Absent	Extinct	Absent
Animalia	Mollusca	<i>Crassostrea virginica</i> (Gmelin, 1791)	Temperate Northern Atlantic	1861- 1863	Arcachon Bay and St- Vaast-la-Hougue - Bay of Biscay & Northern Seas	Fischer, 1865 [221]	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Extinct	Extinct	Absent
Animalia	Mollusca	<i>Crepidula fornicata</i> (Linnaeus, 1758)	Temperate Northern Atlantic	1934	Auray - Bay of Biscay	Canu, 1934 [222]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Invasive	Established to invasive	Established
Animalia	Mollusca	<i>Cumanotus beaumonti</i> (Eliot, 1906)	Cryptogenic	2010	Cagnes - Western Mediterranean Sea	Citizen sciences: Horst, 2010	UNKNOWN	Absent	Casual and considered as native	Casual
Animalia	Mollusca	<i>Ensis leei</i> M. Huber, 2015	Temperate Northern Atlantic	1991	Dunkerque - Northern Seas	Luczak et al. 1993 [223]	UNAIDED: Natural dispersal across borders of invasive alien species that have been introduced through pathways 1 to 5 TRANSPORT- STOWAWAY: Ship/boat ballast water	Established to invasive	Casual	Absent
Animalia	Mollusca	<i>Haloo japonica</i> (Pilsbry, 1895)	Temperate Northern Pacific	2003	Northern Seas	Hanson et al. 2013 [224]	UNKNOWN	Established	Absent	Established
Animalia	Mollusca	<i>Hexaplex trunculus</i> (Linnaeus, 1758)	Mediterranean Sea	1996	Bay of Biscay	Merle & Filippozzi, 2005 [225]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Organic	Established	Absent	Native

							packing material, in particular wood packaging UNAIDED: Natural dispersal across borders of invasive alien species that have been introduced through pathways 1 to 5			
Animalia	Mollusca	<i>Lamprohaminoea ovalis</i> (Pease, 1868)	Eastern Indo- Pacific	2021	Western Mediterranean Sea	Pergent-Martini et Provost 2022 [189]	UNKNOWN	Absent	Absent	Casual
Animalia	Mollusca	<i>Magallana angulata</i> (Lamarck, 1819)	Temperate Northern Pacific	1866	Bay of Biscay	Lafont, 1868 [226]; Fischer, 1873 [227]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Extinct	Casual
Animalia	Mollusca	<i>Magallana gigas</i> (Thunberg, 1793)	Temperate Northern Pacific	1956	Marennes-Oléron Bay - Bay of Biscay	Trochon, 1957 [228]	RELEASE IN NATURE: Fishery in the wild (including game fishing) ESCAPE FROM CONFINEMENT: Aquaculture/ mariculture	Invasive	Invasive	Invasive
Animalia	Mollusca	<i>Magallana rivularis</i> (Gould, 1861)	Temperate Northern Pacific	1994	Bay of Biscay	Cochennec et al. 1998 [229]	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Absent	Extinct	Absent
Animalia	Mollusca	<i>Magallana sikamea</i> (Amemiya, 1928)	Temperate Northern Pacific	1994	Bay of Biscay	Boudry et al. 1994 [230]	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Absent	Extinct	Absent
Animalia	Mollusca	<i>Mercenaria mercenaria</i> (Linnaeus, 1758)	Temperate Northern Atlantic	1861- 1863	Bay of Biscay	Fischer, 1865 [221]	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Established	Established	Established
Animalia	Mollusca	<i>Mizuhopecten yessoensis</i> (Jay, 1857)	Temperate Northern Pacific	1988	Northern Seas	Cochard et al. 1991 [231]	RELEASE IN NATURE:	Absent	Extinct	Absent
Animalia	Mollusca	<i>Mya arenaria</i> Linnaeus, 1758	Temperate Northern Atlantic	13th and 17th centuries	Unknown	Stora, 1976 [232]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Casual
Animalia	Mollusca	<i>Mytilopsis leucophaeata</i> (Conrad, 1831)	Tropical Atlantic	1898	Ouistrehan-Caen - Northern Seas	Baffreau et al. 2018 [41]	TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Casual	Established
Animalia	Mollusca	<i>Ocenebrellus inornatus</i> (Récluz, 1851)	Temperate Northern Pacific	1994	Bay of Biscay	Sauriau & Pigeot, 2010 [233]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Mollusca	<i>Ostrea angasi</i> G.B. Sowerby II, 1871	Temperate Australasia	1985	Bay of Biscay	Bougrier et al. 1986 [234]	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Absent	Extinct	Absent
Animalia	Mollusca	<i>Ostrea chilensis</i> Küster, 1844	Temperate South America	1981	Bay of Biscay	Grizel et al. 1982 [235]	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Absent	Extinct	Absent
Animalia	Mollusca	<i>Ostrea puelchana</i> d'Orbigny, 1842	Tropical Atlantic	1989	Bay of Biscay & Northern Seas	Pascual et al. 1991 [236]	RELEASE IN NATURE: Fishery in the wild (including game fishing)	Extinct	Extinct	Extinct
Animalia	Mollusca	<i>Petricolaria pholadiformis</i> (Lamarck, 1818)	Temperate Northern Atlantic	1992	Northern Seas	Dewarumez et al. 2011 [84]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Casual	Absent
Animalia	Mollusca	<i>Pinctada radiata</i> (Leach, 1814)	Central Indo- Pacific	1979	Western Mediterranean Sea	Zibrowius, 1979 [237]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Absent	Casual
Animalia	Mollusca	<i>Polycera hedgpethi</i> Er. Marcus, 1964	Temperate Northern Pacific	2003	Western Mediterranean Sea	Citizen Sciences: Poddubetskaia, 2003	TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Casual	Established

Animalia	Mollusca	<i>Polycerella emertoni</i> A. E. Verrill, 1880	Temperate Northern Atlantic	2018	Western Mediterranean Sea	Citizen sciences: https://opisthobranquis.org/en/guia/333	UNKNOWN	Absent	Absent	Established
Animalia	Mollusca	<i>Potamopyrgus antipodarum</i> (J. E. Gray, 1843)	Temperate Australasia	1948	Western Mediterranean Sea	Boettger, 1951 [238]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Established
Animalia	Mollusca	<i>Pseudofusus rostratus</i> (Olivi, 1792)	Mediterranean Sea	2006	Northern Seas	Nolf, 2009 [239]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Absent	Native
Animalia	Mollusca	<i>Rangia cuneata</i> (G. B. Sowerby I, 1832)	Tropical Atlantic	2017	Northern Seas	Faillietaz et al. 2020 [240]	UNKNOWN	Established	Absent	Absent
Animalia	Mollusca	<i>Rapana venosa</i> (Valenciennes, 1846)	Temperate Northern Pacific	1997	Bay of Biscay	Camus, 2001 [241]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat ballast water	Absent	Established	Established
Animalia	Mollusca	<i>Ruditapes philippinarum</i> (A. Adams & Reeve, 1850)	Temperate Northern Pacific	1972	Northern Seas	Flassch, 1978 [242]	RELEASE IN NATURE: Fishery in the wild (including game fishing) ESCAPE FROM CONFINEMENT: Aquaculture/ mariculture	Established	Established	Established
Animalia	Mollusca	<i>Saccostrea glomerata</i> (Gould, 1850)	Temperate Australasia	2015	Western Mediterranean Sea	Ulman et al. 2017 [153]	TRANSPORT- STOWAWAY: Ship/boat hull fouling	Absent	Absent	One record
Animalia	Mollusca	<i>Steromphala albida</i> (Gmelin, 1791)	Mediterranean Sea	1973	Bay of Biscay	Deleamarre & Le Neuthiec, 1995 [243]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Native
Animalia	Mollusca	<i>Teredo navalis</i> Linnaeus, 1758	Cryptogenic	1865	Northern Seas	Clavenad, 1879 [123]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established	Established
Animalia	Mollusca	<i>Tritia neritea</i> (Linnaeus, 1758)	Mediterranean Sea	1976	Bay of Biscay	Bachelet et al. 1980 [244]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Organic packing material, in particular wood packaging	Invasive with no proven impact	Invasive with no proven impact	Native
Animalia	Mollusca	<i>Urosalpinx cinerea</i> (Say, 1822)	Temperate Northern Atlantic	Before 1960	Bay of Biscay	Le Dantec, 1960 [245]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Established	Established	Absent
Animalia	Mollusca	<i>Xenostrobus securis</i> (Lamarck, 1819)	Temperate Australasia	2002	Western Mediterranean Sea	Zenetos et al. 2004 [246]	TRANSPORT- STOWAWAY: Ship/boat ballast water TRANSPORT- STOWAWAY: Ship/boat hull fouling TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Absent	Established	Established
Animalia	Mollusca	<i>Yoldia limatula</i> (Say, 1831)	Temperate Northern Atlantic	2021	Northern Seas	Dauvin et al. 2022 [247]	TRANSPORT- STOWAWAY: Ship/boat ballast water	Established	Absent	Absent
Animalia	Nematoda	<i>Anguillicola crassus</i> Kuwahara, Niimi & Itagaki, 1974	Temperate Northern Pacific	1980	Unknown - Bay of Biscay	Fontaine et al. 1990 [248]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Casual	Casual
Animalia	Platyhelminthes	<i>Koinostylochus ostreophagus</i> (Hyman, 1955)	Temperate Northern Pacific	In the 1970s	Bay of Biscay	Maurin & Le Dantec, 1979 [249]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Casual	Absent
Animalia	Platyhelminthes	<i>Pseudodactylogyrus anguillae</i> (Yin & Sproston, 1948) Gusev, 1965	Temperate Northern Pacific	1984	Western Mediterranean Sea	Lambert et al. 1984 [250]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector)	Casual	Casual	Casual

Animalia	Porifera	<i>Celtodoryx ciocalyptoides</i> (Burton, 1935)	Temperate Northern Pacific	1996	Morbihan gulf - Bay of Biscay	Perez et al. 2006 [251]	TRANSPORT- HITCHHIKERS: Hitchhikers on animals (except parasites, species transported by host/vector) TRANSPORT- STOWAWAY: Ship/boat hull fouling	Established	Established to invasive	Absent
Animalia	Porifera	<i>Paraleucilla magna</i> Klautau, Monteiro & Borojevic, 2004	Tropical Atlantic	2006	Western Mediterranean Sea	Citizen sciences (DORIS): https://doris.ffesm.fr/Especes/Paraleucilla-magna-Eponge-bourse-a-paillettes-4104	UNKNOWN	Absent	Absent	Established

- Verlaque, M.; Boudouresque, C.-F.; Meinesz, A.; Gravez, V. The *Caulerpa racemosa* Complex (Caulerpales, Ulvophyceae) in the Mediterranean Sea. *Bot. Mar.* **2000**, *43*, 49–68.
- Meinesz, A.; de Vaugelas, J.; Hesse, B.; Mari, X. Spread of the Introduced Tropical Green Alga *Caulerpa taxifolia* in Northern Mediterranean Waters. *J. Appl. Phycol.* **1993**, *5*, 141–147.
- Verlaque, M.; Boudouresque, C.-F.; Mineur, F. Oyster Transfers as a Vector for Marine Species Introductions: A Realistic Approach Based on the Macrophytes. In Proceedings of the CIESM Workshop Monographs; Lisboa, 2007; Vol. 32, pp. 39–48.
- Silva, P.C. The Dichotomous Species of *Codium* in Britain. *J. Mar. Biol. Assoc. U. K.* **1955**, *34*, 565–577.
- Gerbal, M.; Ben Maiz, N.; Boudouresque, C.-F. Les Peuplements à *Sargassum muticum* de l'étang de Thau : Données Préliminaires Sur La Flore Algale. In Proceedings of the Actes Congrès National Sociétés Savantes; 1985; Vol. 110, pp. 241–254.
- Ben Maiz, N. Flore Algale (Rhodophyta, Phaeophyceae, Chlorophyceae et Bryopsidophyceae) de l'étang de Thau (Hérault). Thèse de 3e cycle, Université d'Aix-Marseille II, 1986.
- Mineur, F.; Johnson, M.P.; Maggs, C.A.; Stegenga, H. Hull Fouling on Commercial Ships as a Vector of Macroalgal Introduction. *Mar. Biol.* **2007**, *151*, 1299–1307, doi:10.1007/s00227-006-0567-y.
- Verlaque, M.; Ruitton, S.; Mineur, F.; Boudouresque, C.-F. *CIESM atlas of exotic species in the Mediterranean: 4. Macrophytes*; CIESM Publishers: Monaco.; 2015; ISBN 978-92-990003-4-2.
- Boudouresque, C.-F.; Perret, M. *Inventaire de La Flore Marine de Corse (Méditerranée) : Rhodophyceae, Phaeophyceae, Chlorophyceae et Bryopsidophyceae*; Bibliotheca Phycologica; Lubrecht & Cramer Ltd: Port Jervis, 1977; Vol. 25; ISBN 978-3-7682-1080-5.
- Boillot, A.; Caram, B.; Meinesz, A. Sur l'*Acrothamnion preissii* Rhodophycée (Céramiale, Céramiacée) Nouvelle Pour La Flore Française. *Cryptogam. Algol.* **1982**, *3*, 21–24.
- Mollet, J.-C.; Rahaoui, A.; Lemoine, Y. Yield, Chemical Composition and Gel Strength of Agarocolloids of *Gracilaria Gracilis*, *Gracilariopsis Longissima* and the Newly Reported *Gracilaria* Cf. *vermiculophylla* from Roscoff (Brittany). *J. Appl. Phycol.* **1998**, *10*, 59–66, doi:10.1023/A:1008051528443.
- Verlaque, M.; Tine, J. Marine Vegetation of Toulon (Var, France): Algae and Seagrasses. *Thalassographica* **1981**, *4*, 5–38.
- Verlaque, M. Checklist of the Macroalgae of Thau Lagoon (Hérault, France), a Hot Spot of Marine Species Introduction in Europe. *Oceanol. Acta* **2001**, *24*, 29–49, doi:10.1016/S0399-1784(00)01127-0.
- Feldmann-Mazoyer, G.; Meslin, R. Note Sur Le *Neomonospora furcellata* (J. Ag.) Comb. Nov. et Sa Naturalisation Dans La Manche. *Rev. Générale Bot.* **1939**, *51*, 193–203.
- Klein, J.C.; Verlaque, M. Macroalgae Newly Recorded, Rare or Introduced to the French Mediterranean Coast. *Cryptogam. Algol.* **2011**, *32*, 111–130, doi:10.7872/crya.v32.iss2.2011.111.
- Halos, M.-T. Etude Morphologique et Systématique de Quelques Céramiacées de La Manche. Thèse de Doctorat 3ème cycle, Université de Paris, 1964.
- Verlaque, M.; Riouall, R. Introduction de *Polysiphonia nigrescens* et d'*Antithamnion nipponicum* (Rhodophyta, Ceramiales) Sur Le Littoral Méditerranéen Français. *Cryptogam. Algol.* **1989**, *10*, 313–323.

18. Feldmann, J. Sur Une Algue Marine Nouvelle Pour Les Côtes Françaises de La Manche. *Bull. Lab. Dinard* **1937**, 17, 43–45.
19. Hamel, G. Sur l'apparition d'une Algue Nouvelle Sur Les Côtes de Bretagne et de Normandie (*Antithamnionella sarniensis* Lyle). *Rev. Algol.* **1924**, 1, 50–52.
20. Verlaque, M.; Bernard, G. *Inventaire de La Flore Marine de La Principauté de Monaco*; GIS Posidonie: Marseille, France, 1998; pp. 1–55;.
21. Sauvageau, C. Sur La Naturalisation En France d'une Floridée Australasienne (*Asparagopsis armata* Harv.) et Sur Ses Iodures. *Comptes Rendus Académie Sci.* **1925**, 180, 1887.
22. Davy de Virville, A.D. Observations Sur La Flore Des Iles Chausey Faites Au Cours de La Croisière Du Laboratoire de Dinard (24–30 Août 1938). *Bull. Lab. Marit. Dinard* **1938**, XX, 6–22.
23. Hamel, G. *Chlorophycées Des Côtes Françaises*; Paris, 1931;
24. Rio, A.; Cabioch, J. Apparition Du *Caulacanthus ustulatus* (Rhodophyta, Gigartinales) Dans La Manche Occidentale. *Cryptogam. Algol.* **1988**, 9, 231–234.
25. Auby, I. *Évolution de La Richesse Biologique Du Bassin d'Arcachon*; IFREMER: Arcachon, 1993;
26. Verlaque, M. Contribution à l'étude Du Phytobenthos d'un Écosystème Photophile Thermophile Marin En Méditerranée Occidentale. Étude Structurale et Dynamique Du Phytobenthos et Analyse Des Relations Faune-Flore. Thèse de Doctorat es Sciences naturelles, Université Aix-Marseille: Marseille, 1987.
27. Verlaque, M.; Latala, A. The Accidental Introduction of the Japanese Species *Chondrus* (Gigartinaceae, Rhodophyta) into the Thau Lagoon, France, the Mediterranean. *Cryptogam. Algol.* **1996**, 17, 153–164.
28. Bidoux, C.; Magne, F. Étude de Quelques Acrochaetiales (Rhodophyta) Devant Être Rapportés Au Genre *Rhodothamniella*. *Cryptogam. Algol.* **1989**, 10, 33–55.
29. Sjøtun, K. Present Distribution and Possible Vectors of Introductions of the Alga *Heterosiphonia japonica* (Ceramiales, Rhodophyta) in Europe. *Aquat. Invasions* **2008**, 3, 377–394, doi:10.3391/ai.2008.3.4.3.
30. Magne, F. *Goniotrichopsis* (Rhodophyceae, Porphyridiales) in Europe. *Cryptogam. Algol.* **1992**, 13, 109–112.
31. Mineur, F.; Le Roux, A.; Stegenga, H.; Verlaque, M.; Maggs, C.A. Four New Exotic Red Seaweeds on European Shores. *Biol. Invasions* **2012**, 14, 1635–1641, doi:10.1007/s10530-012-0186-0.
32. Verlaque, M.; Brannock, P.M.; Komatsu, T.; Villalard-Bohnsack, M.; Marston, M. The Genus *Grateloupia* C. Agardh (Halymeniaceae, Rhodophyta) in the Thau Lagoon (France, Mediterranean): A Case Study of Marine Plurispecific Introductions. *Phycologia* **2005**, 44, 477–496, doi:10.2216/0031-8884(2005)44[477:TGGCAH]2.0.CO;2.
33. Cecere, E.; Petrocelli, A.; Portacci, G.; Mineur, F.; Verlaque, M. *Grateloupia minima* (Rhodophyta, Gigartinales) in the Thau Lagoon and in the Mar Piccolo of Tranto: First Report for the Mediterranean Sea. In Proceedings of the Bollettino Dei Musei e Degli Istituti Biologici Dell'Università Di Genova; 2011; Vol. 73, p. 71.
34. Cabioch, J.; Castric-Fey, A.; L'Hardy-Halos, M.-T.; Rio, A. *Grateloupia doryphora* et *Grateloupia filicina* Var. *luxurians* (Rhodophyta, Halymeniaceae) Sur Les Côtes de Bretagne (France). *Cryptogam. Algol.* **1997**, 18, 117–137.
35. Riouall, R.; Guiry, M.D.; Codomier, L. Introduction d'une Espèce Foliacée de *Grateloupia* Dans La Flore Marine de l'étang de Thau (Hérault, France). *Cryptogam. Algol.* **1985**, 6, 91–98.
36. Bárbara, I.; Tapia, P.D. New Records and Additions to the Seaweeds of France. *Mar. Biodivers. Rec.* **2012**, 5, e75, doi:10.1017/S1755267212000589.
37. Klein, J.; Ruitton, S.; Verlaque, M.; Boudouresque, C.-F. Species Introductions, Diversity and Disturbances in Marine Macrophyte Assemblages of the Northwestern Mediterranean Sea. *Mar. Ecol. Prog. Ser.* **2005**, 290, 79–88, doi:10.3354/meps290079.
38. Cabioch, J.; Noailles, M.C.; Thomas, J.C. *Laurencia brongniartii* (Rhodophyta, Ceramiales) En Rade de Brest, Espèce Nouvelle Pour Les Côtes Européennes. *Cryptogam. Algol.* **1990**, 11, 197–202.
39. Klein, J.; Verlaque, M. *Laurencia caduciramulosa* Masuda & Kawaguchi (Ceramiales, Rhodophyceae), First Record on the Mediterranean Coast of France. *Cryptogam. Algol.* **2005**, 26, 209–216.
40. Geoffroy, A. Diversité Génétique et Délimitation d'espèces Par Des Approches Conjointes de Barcoding et de Génétique Des Populations : Application à l'identification d'espèces d'algues Marines Nouvellement Cultivées. Thèse de doctorat, Université Pierre et Marie Curie: Paris 6, 2012.

41. Baffreau, A.; Pezy, J.-P.; Rusig, A.-M.; Mussio, I.; Dauvin, J.-C. *Les Espèces Marines et Animales et Végétales Introduites En Normandie*; Imprimerie Moderne de Bayeux.; 2018;
42. Mineur, F.; De Clerck, O.; Le Roux, A.; Maggs, C.A.; Verlaque, M. *Polyopes lancifolius* (Halymeniales, Rhodophyta), a New Component of the Japanese Marine Flora Introduced to Europe. *Phycologia* **2010**, *49*, 86–96, doi:10.2216/09-45.1.
43. McIvor, L.; Maggs, C.A.; Provan, J.; Stanhope, M.J. RbcL Sequences Reveal Multiple Cryptic Introductions of the Japanese Red Alga *Polysiphonia harveyi*. *Mol. Ecol.* **2001**, *10*, 911–919, doi:10.1046/j.1365-294X.2001.01240.x.
44. Lauret, M. Morphologie, Phénologie, Répartition Des *Polysiphonia* Marins Du Littoral Languedocien. II- Section *Polysiphonia*. *Nat. Monspel. Bot.* **1970**, *21*, 121–163.
45. ICES Working Group on Introductions and Transfers of Marine Organisms (WGITMO); ICES Scientific Reports, 1982; Vol. 4;.
46. Verlaque, M. Contribution à La Flore Des Algues Marines de Méditerranée : Espèces Nouvelles Pour La Méditerranée Occidentale. *Bot. Mar.* **1981**, *24*, 559–568, doi:10.1515/botm.1981.24.11.559.
47. Knoepffler, M.; Noailles, M.C.; Boudouresque, C.-F.; Abelard, O. Phytobenthos Des Pyrénées-Orientales : Complément à l'inventaire : Présence d'espèces Non-Indigènes (*Sargassum* et *Undaria*). *Bull. Société Zool. Fr.* **1990**, *115*, 37–43.
48. Ardré, F.; L'Hardy-Halos, M.-T.; Saldanha, L. Observations Nouvelles Sur La Morphologie et La Répartition Géographique de Trois Cérámiales *Ceramium cinnabarinum*, *Mesothamnion caribaeum* et *Ctenosiphonia hypnoides*. *Cryptogam. Algal.* **1982**, *3*, 3–20.
49. Verlaque, M.; Auby, I.; Plus, M.; Belsher, T. *Étude de La Flore Introduite Dans Le Bassin d'Arcachon*; Ifremer: FRANCE, 2008;
50. Verlaque, M. Contribution à La Flore Des Algues Marines de Méditerranée : Espèces Rares Ou Nouvelles Pour Les Côtes Françaises. *Bot. Mar.* **1989**, *32*, 101–113.
51. Pezy, J.-P.; Baffreau, A.; Raoux, A.; Rusig, A.-M.; Mussio, I.; Dauvin, J.-C. Non-Indigenous Species in Marine and Brackish Waters along the Normandy Coast. *BioInvasions Rec.* **2021**, *10*, 755–774, doi:10.3391/bir.2021.10.4.01.
52. Thibaut, T.; Blanfuné, A.; Boudouresque, C.-F.; Holon, F.; Agel, N.; Descamps, P.; Deter, J.; Pavy, T.; Delaruelle, G.; Verlaque, M. Distribution of the Seagrass *Halophila stipulacea*: A Big Jump to the Northwestern Mediterranean Sea. *Aquat. Bot.* **2022**, *176*, 103465, doi:10.1016/j.aquabot.2021.103465.
53. Chevalier, A. Note Sur Les *Spartina* de La Flore Française. *Bull. Société Bot. Fr.* **1923**, *70*, 54–63.
54. Marchand, C.J. Evolution in *Spartina* (Gramineae). I. The History and Morphology of the Genus in Britain. *J. Linn. Soc. Bot.* **1967**, *60*, 1–24.
55. Fabre, M.E. Description d'une Nouvelle Espèce de *Spartina*, Abondante Sur Une Portion Du Littoral Méditerranéen. *Ann. Sci. Nat.-Bot. Biol. Veg.* **1849**, *3*, 122–125.
56. Corbière, L.; Chevalier, A. Sur l'origine Du *Spartina townsendi* et Sur Son Rôle Dans La Fixation Des Vases Marines. *Comptes Rendus L'Académie Sci. Paris* **1922**, *174*, 1084–1087.
57. Riouall, R. Sur La Présence Dans l'étang de Thau (Hérault-France) de *Sphaerotrichia divaricata* (C. Ag.) Kylin et *Chorda filum* (L.) Stackhouse. *Bot. Mar.* **1985**, *28*, 83–86.
58. Fabre-Domergue, P. Une Invasion d'algues Méridionales (*Colpomenia sinuosa*) Sur Les Huîtres de La Rivière de Vannes. *Comptes-Rendus* **1907**, *142*, 1223–1225.
59. Steen, F.; Aragay, J.; Zuljevic, A.; Verbruggen, H.; Mancuso, F.P.; Bunker, F.; Vitales, D.; Gómez Garreta, A.; De Clerck, O. Tracing the Introduction History of the Brown Seaweed *Dictyota cyanoloma* (Phaeophyceae, Dictyotales) in Europe. *Eur. J. Phycol.* **2017**, *52*, 31–42, doi:10.1080/09670262.2016.1212998.
60. Calvet, L. Coup d'oeil Sur La Faune et La Flore de La Région Marine de Cette. *Trav. Inst. Montpellier* **1905**, *15*, 1–96.
61. Braud, J.P.; Etcheverry, H.; Pérez, R. Développement de l'algue *Macrocystis pyrifera* (L.) Ag. Sur Les Côtes Bretonnes. *Sci. Pêche* **1974**, *233*, 1–15.
62. Hariot, P. Flore Algologique de La Hougue et de Tatihou. *Ann. Inst. Océan. Monaco* **1912**, *4*, 1–54.
63. Verlaque, M.; Steen, F.; De Clerck, O. *Rugulopteryx* (Dictyotales, Phaeophyceae), a Genus Recently Introduced to the Mediterranean. *Phycologia* **2009**, *48*, 536–542, doi:10.2216/08-103.1.
64. Gruet, Y. Présence de l'algue Japonaise *Sargassum muticum* (Yendo) Fensholt, Sur La Côte Française de Normandie. *Bull. Société Sci. Nat. Ouest Fr.* **1976**, *74*, 101–104.
65. Perez, R. Culture expérimentale de l'algue *Undaria pinnatifida* sur les côtes de France. *Sci. Pêche Bull. Institutionnel Pêch. Marit.* **1981**, *315*, 1–16.

66. Saiz-Salinas, J.I.; Amouroux, J.-M. First Record of the Genus *Arhynchite* (Echiura) in the Mediterranean Sea. *Vie Milieu* **2010**, *60*, 47–51.
67. Droual, G.; Curd, A.; Gauff, R.P.M.; Gouillieux, B.; Gélinaud, G.; Cabelguen, J.; Grall, J. The French Benthic Newcomers: New Records of *Ampithoe valida* S. I. Smith, 1873 and *Polydora colonia* Moore, 1907 in Brittany, First Record of *Bispira polyomma* Giangrande & Faasse, 2012 in the North-East Atlantic and Northernmost Record of *Prostheceraeus moseleyi* Lang, 1884 in Europe. *BiolInvasion Rec.* **2023**.
68. ICES Working Group on Introductions and Transfers of Marine Organisms (WGITMO); ICES Scientific Reports, 2022; Vol. 4, p. 209 p.;
69. Fauvel, P. *Polychètes Sédentaires : Addenda Aux Errantes, Archiannélides, Myzostomaires*; Faune de France; Fédération Française des Sociétés de Sciences Naturelles. Office Central de Faunistique: Paris, 1927; Vol. 16.;
70. Radashevsky, V.I.; Pankova, V.V.; Malyar, V.V.; Neretina, T.V.; Wilson, R.S.; Worsfold, T.M.; Diez, M.E.; Harris, L.H.; Hourdez, S.; Labrune, C.; et al. Molecular Analysis and New Records of the Invasive Polychaete *Boccardia proboscidea* (Annelida: Spionidae). *Mediterr. Mar. Sci.* **2019**, *20*, 393–408, doi:10.12681/mms.20363.
71. Sato-Okoshi, W.; Okoshi, K.; Abe, H.; Dauvin, J.-C. Polydorid Species (Annelida: Spionidae) Associated with Commercially Important Oyster Shells and Their Shell Infestation along the Coast of Normandy, in the English Channel, France. *Aquac. Int.* **2022**, doi:10.1007/s10499-022-00971-y.
72. Gagnon, S. *Étude Qualitative et Quantitative de l'infestation Des Huîtres Creuses, Crassostrea gigas, Par Le Ver Polydora (Annélides Polychètes)*; Université Catholique de l'Ouest, 1999;
73. Sauriau, P.-G.; Aubert, F.; Almeida Ferreira, L.; Cajeri, P.; Curti, C.; Latry, L.; Sauriau, M.; Sauriau, F.; Leguay, D.; Pineau, P. *Contrôle de Surveillance 2012 DCE de La Flore Benthique et de La Faune Benthique de Substrat Meuble de La Masse d'eau Côtière Pertuis Charentais FRFC02 : Macrofaune Invertébrée Benthique*; UMR LIENSS, 2013; p. 55.;
74. Tiralongo, F.; Akyol, O.; Al Mabruk, S.A.A.; Battaglia, P.; Beton, D.; Bitlis, B.; Borg, J.A.; Bouchoucha, M.; Çinar, M.E.; Crocetta, F.; et al. New Alien Mediterranean Biodiversity Records (August 2022). *Mediterr. Mar. Sci.* **2022**, *23*, 725–747, doi:10.12681/mms.31228.
75. Le Garrec, V.; Grall, J.; Chevalier, C.; Guyonnet, B.; Jourde, J.; Lavesque, N.; Bonifácio, P.; Blake, J.A. *Chaetozone corona* (Polychaeta, Cirratulidae) in the Bay of Biscay: A New Alien Species for the North-East Atlantic Waters? *J. Mar. Biol. Assoc. U. K.* **2017**, *97*, 433–445, doi:10.1017/S0025315416000540.
76. Glaçon, R. *Faune et Flore Du Littoral Du Pas-de-Calais et de La Manche Orientale*; Documentation de la Station Marine de Wimereux, 1977; p. 51.;
77. Guyonnet, B.; Borg, D. Premier signalement de l'espèce introduite *Euchone limnicola* Reish, 1959 (Polychaeta : Sabellidae) sur les côtes françaises de la Mer du Nord (Grand Port Maritime de Dunkerque). **2015**.
78. Blanchet, A.; Chevalier, C.; Gaffet, J.-D.; Hamon, D. *Bionomie Benthique Subtidale En Baie de Douarnenez*; IFREMER, 2004;
79. Saint-Joseph, A.A. Les Annélides Polychètes Des Côtes de France (Océan et Côtes de Provence). *Ann. Sci. Nat.* **1906**, *9*, 145–260.
80. Tempesti, J.; Langeneck, J.; Romani, L.; Garrido, M.; Lardicci, C.; Maltagliati, F.; Castelli, A. Harbour Type and Use Destination Shape Fouling Community and Non-Indigenous Species Assemblage: A Study of Three Northern Tyrrhenian Port Systems (Mediterranean Sea). *Mar. Pollut. Bull.* **2022**, *174*, 113191, doi:10.1016/j.marpolbul.2021.113191.
81. Berner, L. Le Peuplement Des Coques de Bateaux à Marseille. *Bull. Inst. Océan. Monaco* **1944**, *858*, 1–44.
82. Zibrowius, H. Introduction Du Polychète Serpulidae Japonais *Hydroides ezoensis* Sur La Côte Atlantique Française et Remarques Sur La Propagation d'autres Espèces de Serpulidae. *Téthys* **1978**, *8*, 141–150.
83. Conté, R. *Inventaire Des Peuplements de Coralligène de La Côte de Banyuls-Sur-Mer et Comparaison à 56 Ans d'intervalle*; Université de Montpellier, 2022; p. 83.;
84. Dewarumez, J.-M.; Gevaert, F.; Massé, C.; Foveau, A.; Desroy, N.; Grulois, D. *Les Espèces Marines Animales et Végétales Introduites Dans Le Bassin Artois-Picardie*; 2011;
85. Lavesque, N.; Daffe, G.; Bonifácio, P.; Hutchings, P. A New Species of the *Marphysa sanguinea* Complex from French Waters (Bay of Biscay, NE Atlantic) (Annelida, Eunicidae). *ZooKeys* **2017**, *716*, 1–17, doi:10.3897/zookeys.716.14070.

86. Lavesque, N.; Hutchings, P.; Abe, H.; Daffe, G.; Gunton, L.; Glasby, C. Confirmation of the Exotic Status of *Marphysa victori* Lavesque, Daffe, Bonifácio & Hutchings, 2017 (Annelida) in French Waters and Synonymy of *Marphysa bulla* Liu, Hutchings & Kupriyanova, 2018. *Aquat. Invasions* **2020**, *15*, 355–366, doi:10.3391/ai.2020.15.3.01.
87. Harmelin, J.G. Étude de l'endofaune Des "Mattes" d'herbiers de *Posidonia oceanica* Delile. *Recl. Trav. Stn. Mar. Endoume* **1964**, *35*, 43–105.
88. Harmelin, J.G. Note Sur Trois Capitellidae (Annélides Polychètes) Récoltés En Méditerranée, Avec Description d'un Nouveau Genre : *Peresiella*. *Recl. Trav. Stn. Mar. Endoume* **1968**, *43*, 253–259.
89. Zibrowius, H.; Bianchi, C.N. *Spirorbis marioni* et *Pileolaria berkeleyana* Spirorbidae Exotiques Dans Les Ports de La Méditerranée Nord-Occidentale. *Rapp Comm Int Mer Medit* **1981**, *27*, 2.
90. Fauvel, P. *Polychètes Errantes*; Faune de France; Fédération Française des Sociétés de Sciences Naturelles. Office Central de Faunistique: Paris, 1923; Vol. 5;.
91. da Fonsêca-Genevois, V.; Cazaux, C. *Streblospio benedicti* Webster, 1879 (Annélide Polychète) Dans l'estuaire de La Loire : Biologie et Écologie. *Cah. Biol. Mar.* **1987**, *28*, 231–261, doi:10.21411/CBM.A.5D5F6199.
92. Pérès, J.-M. Ascidies de La Roche Littorale Corse. *Recl. Trav. Stn. Mar. Endoume* **1952**, *2*, 35–43.
93. Lavesque, N.; Londoño-Mesa, M.H.; Daffe, G.; Hutchings, P. A Revision of the French Telothelepodidae and Thelepodidae (Annelida, Terebelliformia), with Descriptions of Three Species and First European Record of a Non-Indigenous Species. *Zootaxa* **2020**, *4810*, 305–327, doi:10.11646/zootaxa.4810.2.4.
94. Remy, P. Note Sur Un Copépode de l'eau Saumâtre Du Canal de Caen à La Mer [*Acartia (Acanthacartia) tonsa* Dana]. *Ann. Biol. Lacustre* **1927**, *15*, 169–186.
95. Seuront, L. First Record of the Calanoid Copepod *Acartia omorii* (Copepoda: Calanoida: Acartiidae) in the Southern Bight of the North Sea. *J. Plankton Res.* **2005**, *27*, 1301–1306, doi:10.1093/plankt/fbi088.
96. Le Roux, A.; Gélinaud, G.; Le Bail, Y.; Monnat, J.-Y.; Morel, J.-Y.; Paraire, O.; Ros, J. Occurrence of *Ammothea hilgendorfi* (Böhm, 1879) a Pycnogonid from the North Pacific, in Étel River. *Aod - Cah. Nat. Obs. Mar.* **2020**, *8*, 21–32.
97. Bishop, M.W.H. Distribution of *Balanus amphitrite* Darwin Var. *denticulata* Broch. *Nature* **1950**, *165*, 409–410.
98. Barnes, H.; Barnes, M.; Klepal, W. Some Cirripedes of the French Atlantic Coast. *J. Exp. Mar. Biol. Ecol.* **1972**, *8*, 187–194, doi:https://doi.org/10.1016/0022-0981(72)90019-6.
99. Fischer, P. Crustacés Podophthalmaires et Cirrhipèdes Du Département de La Gironde et Des Côtes Du Sud-Ouest de La France. *Actes Société Linn. Bordx.* **1872**, *28*, 405–438.
100. Goulletquer, P. *Guide Des Organismes Exotiques Marins*; Éditions Belin: Paris, 2016; ISBN 978-2-7011-9020-4.
101. Faasse, M.A. New Records of the Non-Native Amphipod *Ampithoe valida* in Europe. *Mar. Biodivers. Rec.* **2015**, *8*, e87, doi:10.1017/S1755267215000706.
102. Gouillieux, B.; Lavesque, N.; Leclerc, J.-C.; Le Garrec, V.; Viard, F.; Bachelet, G. Three Non-Indigenous Species of *Aoroides* (Crustacea: Amphipoda: Aoridae) from the French Atlantic Coast. *J. Mar. Biol. Assoc. U. K.* **2016**, *96*, 1651–1659, doi:10.1017/S0025315415002027.
103. Thiéry, A.; Robert, F. Bisexual Populations of the Brine Shrimp *Artemia* in Sète-Villeroys and Villeneuve Saltworks (Languedoc, France). *Int. J. Salt Lake Res.* **1992**, *1*, 47–63, doi:10.1007/BF02904951.
104. Bishop, M.W.H. *Elminius modestus* in France. *Nature* **1954**, *173*, 1145–1145.
105. Gruvel, 1920 Cirripèdes Provenant Des Campagnes Scientifiques de S.A.S. Le Prince de Monaco (1885-1913). *Résultats Camp. Sci. Accompl. Sur Son Yacht Par Albert 1er Prince Souver. Monaco* *53*, 1–88.
106. Bourdon, R. *Inventaire de La Faune Marine de Roscoff. Décapodes et Stomatopodes*; Éditions de la Station Biologique de Roscoff: Roscoff, France, 1965;
107. Bouvier, E.L. Sur Un *Callinectes sapidus* M. Rathbun Trouvé à Rochefort. *Bull. Muséum Natl. Hist. Nat. Paris* **1901**, *7*, 16–17.
108. Breton, G. L'amphipode *Caprella mutica* Schurin, 1935, Espèce Introduite et Invasive, Abonde Dans Les Bassins à Flot Du Port Du Havre (Manche Orientale, France). *Bull. Trimest. Société Géologique Normandie Amis Muséum Havre* **2005**, *92*, 77.

109. Ros, M.; Tierno de Figueroa, J.M.; Guerra-García, J.M.; Navarro-Barranco, C.; Lacerda, M.B.; Vázquez-Luis, M.; Masunari, S. Exploring Trophic Strategies of Exotic Caprellids (Crustacea: Amphipoda): Comparison between Habitat Types and Native vs Introduced Distribution Ranges. *Estuar. Coast. Shelf Sci.* **2014**, *139*, 88–98, doi:10.1016/j.ecss.2013.12.033.
110. Aubert, F.; Sauriau, P.-G. First Record of Say's Mud Crab *Dyspanopeus sayi* (Smith, 1869) from the Seudre Estuary (Marennes-Oléron, French Atlantic Coast). *Aod - Cah. Nat. Obs. Mar.* **2015**, *IV*, 9–27.
111. Walker, A.O. Contributions to the Malacostracan Fauna of the Mediterranean. *J. Linn. Soc. Lond. Zool.* **1901**, *28*, 290–307.
112. Hoestlandt, H. Données Récentes de Biogéographie Sur l'extension de l' *Eriocheir sinensis* (Crabe Chinois) En France: Avec 1 Carte Dans Le Texte. *SIL Proc. 1922-2010* **1948**, *10*, 168–172, doi:10.1080/03680770.1948.11895136.
113. Brylinski, J.-M. The Pelagic Copepods in the Strait of Dover (Eastern English Channel). A Commented Inventory 120 Years after Eugène Canu. *Cah. Biol. Mar.* **2009**, *50*, 251–260, doi:10.21411/CBM.A.518F2498.
114. Sautour, B. Populations Zooplanctoniques Dans Le Bassin de Marennes-Oléron ; Dynamique de Population, Nutrition et Production Des Copépodes Dominants. Thèse de doctorat, Université Bordeaux 1, 1991.
115. Gruet, Y.; Héral, M.; Robert, J.-M. Premières Observations Sur l'introduction de La Faune Associée Au Naissain d'huîtres Japonaises *Crassostrea gigas* (Thunberg), Importé Sur La Côte Atlantique Française. *Cah. Biol. Mar.* **1976**, *17*, 173–184, doi:10.21411/CBM.A.541FADA5.
116. Jourde, J.; Sauriau, P.-G.; Guenneteau, S.; Caillot, E. First Record of *Grandidierella japonica* Stephensen, 1938 (Amphipoda: Aoridae) from Mainland Europe. *BiolInvasions Rec.* **2013**, *2*, 51–55, doi:10.3391/bir.2013.2.1.09.
117. Pezy, J.-P.; Shahdadi, A.; Baffreau, A.; d'Udekem d'Acoz, C.; Schubart, C.D.; Dauvin, J.-C. An Unexpected Record of an African Mangrove Crab, *Perisesarma alberti* Rathbun, 1921, (Decapoda: Brachyura: Sesarmidae) in European Waters. *Mar. Biodivers. Rec.* **2017**, *10*, 33, doi:10.1186/s41200-017-0135-9.
118. Breton, G.; Faasse, M.; Noël, P.; Vincent, T. A New Alien Crab in Europe: *Hemigrapsus sanguineus* (Decapoda: Brachyura: Grapsidae). *J. Crustac. Biol.* **2002**, *22*, 184–189, doi:10.1651/0278-0372(2002)022[0184:ANACIE]2.0.CO;2.
119. Noël, P.Y.; Tardy, E.; d'Udekem d'Acoz, C. Will the Crab *Hemigrapsus penicillatus* Invade the Coasts of Europe? *Comptes Rendus Académie Sci. - Sér. III - Sci. Vie* **1997**, *320*, 741–745, doi:10.1016/S0764-4469(97)84823-8.
120. d'Udekem d'Acoz, C. *Inventaire et Distribution Des Crustacés Décapodes de l'Atlantique Nord-Oriental, de La Méditerranée et Des Eaux Continentales Adjacentes Au Nord de 25°N*; Muséum National d'Histoire Naturelle, Paris; 1999; Vol. 40;.
121. Gouillieux, B. First Record of the Invasive Species *Ianiropsis serricaudis* Gurjanova, 1936 (Crustacea: Isopoda) in Arcachon Bay, Bay of Biscay (NE Atlantic). *BiolInvasions Rec.* **2018**, *7*, 171–176, doi:10.3391/bir.2018.7.2.09.
122. Bachelet, G.; Acolas, M.L.; Baudrimont, M.; Blanchet, H.; Daverat, F.; Garabetian, F.; Labadie, P.; Legeay, A.; Leconte, M.; Lepage, M.; et al. Biodiversité et Fonctionnement Écologique. In *L'estuaire de la Gironde : un écosystème altéré ? Entre dynamique naturelle et pressions anthropiques*; 2020; pp. 132–209.
123. Clavenad, M. Restauration Des Fondations Du Bâtiment Des Subsistances de La Marine de Cherbourg. *Mém. Société Natl. Sci. Nat. Mathématique Cherbg.* **1879**, *3*, 73–144.
124. Blanchard, M.; Gouilletquer, P.; Hamon, D.; Le Mao, P.; Nezan, E.; Gentil, F.; Simon, N.; Viard, F.; Ar Gall, E.; Grall, J.; et al. Liste Des Espèces Marines Introduites Dans Les Eaux Bretonnes et Des Espèces Introduites Envahissantes Des Eaux Périphériques 2010.
125. Le Roux, A. Aperçu de La Faune Des Xylophages Marins Du Golfe Du Morbihan. *Bull. Société Sci. Nat. Ouest Fr.* **2009**, *31*, 75–83.
126. Gouilletquer, P.; Bachelet, G.; Sauriau, P.-G.; Noel, P. Open Atlantic Coast of Europe — A Century of Introduced Species into French Waters. In *Invasive Aquatic Species of Europe*; Leppäkoski, E., Gollash, S., Olenin, S., Eds.; Springer Netherlands: Dordrecht, 2002; pp. 276–290.
127. Gouillieux, B.; Lavesque, N.; Blanchet, H.; Bachelet, G. First Record of the Non-Indigenous *Melita nitida* Smith, 1873 (Crustacea: Amphipoda: Melitidae) in the Bay of Biscay (NE Atlantic). *BiolInvasions Rec.* **2016**, *5*, 85–92, doi:10.3391/bir.2016.5.2.05.
128. Chevreux, É. *Révision Des Amphipodes de La Côte Océanique de France*; Association française pour l'avancement des sciences, 1898; pp. 474–485;.

129. Bertrand, H. Amphipodes Nouveaux Pour La Faune Française. *Bull. Lab. Dinard* **1938**, 18, 34–37.
130. Gouillieux, B.; Massé, C. First Record of *Monocorophium uenoi* (Stephenson, 1932) (Crustacea: Amphipoda: Corophiidae) in the Bay of Biscay, French Atlantic Coast. *BiolInvasions Rec.* **2019**, 8, 87–95, doi:10.3391/bir.2019.8.1.09.
131. Comps, M. On a Copepod Parasitizing the Portuguese Oyster (*Crassostrea angulata* Lmk) in the Marennes-Oléron Basin. (Sur Un Copépode Parasite de l’huître Portugaise (*Crassostrea angulata* Lmk) Dans Le Bassin de Marennes-Oléron.) 1972.
132. Lambert, L. “Le Cop Rouge” (*Mytilicola intestinalis* Steuer) Sur Les Côtes de France. *Rev. Trav. Off. Pêch.* **1951**, XII, 41–46.
133. His, E. Observations Préliminaires Sur La Présence de *Mytilicola orientalis* Mori (1955) Chez *Crassostrea gigas* Thunberg Dans Le Bassin d’Arcachon. *Bull. Société Géologique Amis Mus. Havre* **1977**, 64, 7–8.
134. Holthuis, L.B. *Necora*, a New Genus of European Swimming Crabs (Crustacea Decapoda, Portunidae) and Its Type Species, *Cancer puber* L., 1767. *Zool. Meded.* **1987**, 61, 1–14.
135. Massé, C.; Chouquet, B.; Dubut, S.; Durand, F.; Gouillieux, B.; Dancie, C. Premier Signalement de l’espèce Non Indigène *Neomysis americana* (Crustacé : Mysidacé) Dans l’estuaire de La Seine (Normandie, France). *Aod - Cah. Nat. Obs. Mar.* **2018**, 6, 7–16.
136. Băcescu, M. Les Mysidacés Des Eaux Méditerranéennes de La France (Spécialement de Banyuls) et Des Eaux de Monaco. *Bull. Inst. Océan.* **1941**, 795, 1–46.
137. Noël, P.Y. Checklist of Cryptogenic and Alien Crustacea of the European Atlantic Coast. In *In the wrong place - Alien marine crustaceans: distribution, biology and impacts*; Galil, B.S., Clark, P.F., Carlton, J.T., Eds.; Invading Nature - Springer Series in Invasion Ecology; Springer Netherlands: Dordrecht, 2011; pp. 345–375 ISBN 978-94-007-0591-3.
138. Beguer, M. First Record of the Invasive Oriental Shrimp *Palaemon macrodactylus* Rathbun, 1902 in France (Gironde Estuary). *Aquat. Invasions* **2007**, 2, 132–136, doi:10.3391/ai.2007.2.2.8.
139. Marchini, A.; Ferrario, J.; Minchin, D. Marinas May Act as Hubs for the Spread of the Pseudo-Indigenous Bryozoan *Amathia verticillata* (Delle Chiaje, 1822) and Its Associates. *Sci. Mar.* **2015**, 79, 1–11, doi:10.3989/scimar.04238.03a.
140. Lavesque, N.; Sorbe, J.-C.; Bachelet, G.; Gouillieux, B.; de Montaudouin, X.; Bonifacio, P.; Blanchet, H.; Dubois, S. Recent Discovery of *Paranthura japonica* Richardson, 1909 (Crustacea: Isopoda: Paranthuridae) in European Marine Waters (Arcachon Bay, Bay of Biscay). *BiolInvasions Rec.* **2013**, 2, 215–219, doi:10.3391/bir.2013.2.3.07.
141. Galil, B.S.; Innocenti, G.; Douek, J.; Paz, G.; Rinkevich, B. Foul Play? On the Rapid Spread of the Brown Shrimp *Penaeus aztecus* Ives, 1891 (Crustacea, Decapoda, Penaeidae) in the Mediterranean, with New Records from the Gulf of Lion and the Southern Levant. *Mar. Biodivers.* **2017**, 47, 979–985, doi:10.1007/s12526-016-0518-x.
142. Tournier, H. Conditions d’acclimatation Des Crevettes *Penaeus kerathurus* et *P. japonicus* Dans Les Eaux Du Littoral Languedocien. *Bull. Inst. Pêch. Marit.* **1972**, 213, 1–13.
143. Pezy, J.-P.; Baffreau, A.; Dauvin, J.-C. Records of Two Introduced Penaeidae (Crustacea: Decapoda) Species from Le Havre Harbour, France, English Channel. *BiolInvasions Rec.* **2017**, 6, 363–367, doi:10.3391/bir.2017.6.4.10.
144. Noël, P.Y. *Le Crabe Plat Des Oursins* *Percnon gibbesi* (Milne-Edwards H., 1853); MNHN, 2015; p. 10;.
145. Brylinski, J.-M.; Antajan, E.; Raud, T.; Vincent, D. First Record of the Asian Copepod *Pseudodiaptomus marinus* Sato, 1913 (Copepoda: Calanoida: Pseudodiaptomidae) in the Southern Bight of the North Sea along the Coast of France. *Aquat. Invasions* **2012**, 7, 577–584, doi:10.3391/ai.2012.7.4.014.
146. Delpy, F.; Pagano, M.; Blanchot, J.; Carlotti, F.; Thibault-Botha, D. Man-Induced Hydrological Changes, Metazooplankton Communities and Invasive Species in the Berre Lagoon (Mediterranean Sea, France). *Mar. Pollut. Bull.* **2012**, 64, 1921–1932, doi:10.1016/j.marpolbul.2012.06.020.
147. Korringa, P.; Lambert, L. Quelques Observations Sur La Fréquence de *Mytilicola intestinalis* (Copepoda Parasita) Dans Les Moules Du Littoral Méditerranéen Français Avec Une Note Sur La Présence de *Pseudomyicola spinosus* (Raff et Mont.) (Copepoda Parasita). *Rev. Trav. Inst. Sci. Tech. Pêch. Marit.* **1951**, 17, 15–29.

148. Lo Brutto, S.; Iaciovano, D. A Taxonomic Revision Helps to Clarify Differences between the Atlantic Invasive *Ptilohyale littoralis* and the Mediterranean Endemic *Parhyale plumicornis* (Crustacea, Amphipoda). *ZooKeys* **2018**, *754*, 47–62, doi:10.3897/zookeys.754.22884.
149. Saudray, Y. Présence de *Heteropanope tridentatus* Maitl. Crustacé Décapode Brachyoure Dans Le Réseau Hydrographique Normand. *Bull. Société Zool. Fr.* **1956**, *81*, 33–34.
150. Mascart, T.; Lepoint, G.; Deschoemaeker, S.; Binard, M.; Remy, F.; De Troch, M. Seasonal Variability of Meiofauna, Especially Harpacticoid Copepods, in *Posidonia oceanica* Macrophytodebris Accumulations. *J. Sea Res.* **2015**, *95*, 149–160, doi:10.1016/j.seares.2014.07.009.
151. Gruet, Y.; Vimpère, J.; Sauriau, P.-G.; Le Roux, A. La Balane *Hesperibalanus fallax* (Broch, 1927) (Crustacé Cirripède) Sur La Côte Française Atlantique Du Golfe de Gascogne et Sa Présence En Baie de Seine (Manche Orientale) Dès 1976. *Bull. Société Sci. Nat. Ouest Fr. Nouv. Sér.* **2014**, *36*, 244–256.
152. Zibrowius, H. Ongoing Modification of the Mediterranean Fauna and Flora by the Establishment of Exotic Species. *Mésogée* **1991**, *51*, 83–107.
153. Ulman, A.; Ferrario, J.; Occhipinti-Ambrogi, A.; Arvanitidis, C.; Bandi, A.; Bertolino, M.; Bogi, C.; Chatzigeorgiou, G.; Çiçek, B.A.; Deidun, A.; et al. A Massive Update of Non-Indigenous Species Records in Mediterranean Marinas. *PeerJ* **2017**, *5*, e3954, doi:10.7717/peerj.3954.
154. Brylinski, J.-M.; Courcot, L. Report of Two Mediterranean Species of *Stephos* T. Scott, 1892 (Copepoda: Calanoida) in the North-East Atlantic Ocean (Brittany, France), with a Note on the “Hyaline Sheath” in the Genus *Stephos*. *BiolInvasions Rec.* **2019**, *8*, 357–368, doi:10.3391/bir.2019.8.2.17.
155. Mees, J.; Fockede, N. First Record of *Synidotea laevidorsalis* (Miers, 1881) (Crustacea: Isopoda) in Europe (Gironde Estuary, France). *Hydrobiologia* **1993**, *264*, 61–63, doi:10.1007/BF00014665.
156. Joliet, L. Bryozoaires Nouveaux de Roscoff et Bryozoaires de Menton. *Arch. Zool. Expérimentale Générale* **1888**, *2*, 103–109.
157. Calvet, L. Contribution à l'histoire Naturelle Des Bryozoaires Ectoproctes Marins. *Trav. Inst. Zool. Univ. Montp. Stn. Zool. Cette* **1900**, *8*, 488.
158. Prenant, M.; Bobin, G. *Bryozoaires. Deuxième Partie : Chilostomes Anasca*; Faune de France; Fédération Française des Sociétés de Sciences Naturelles. Office Central de Faunistique: Paris, 1966; Vol. 68;.
159. D'Hondt, J.-L.; Cazaux, C. Présence de *Bugula simplex* (Hincks, 1886) (Bryozoaires, Cheilostomes) Dans Le Bassin d'Arcachon. *Bull. Société Linn. Bordx.* **1994**, *22*, 141–143.
160. D'Hondt, J.-L.; Breton, G. Une Nouvelle Introduction Dans Le Bassin d'Arcachon : Le Bryzoaire Cheilostome Intertropical *Caulibugula zanzibarensis* Waters, 1913. *Bull. Trimest. Société Géologique Normandie Amis Muséum Havre* **2005**, *92*, 19–21.
161. André, F.; Corolla, J.-P.; Lanza, B.; Rochefort, G. *Bryozoaires d'Europe : Les Carnets Du Plongeur*; Éditions Neptune Plongée; Gargas, 2014;
162. Calvet, L. Bryozoaires Marins de La Région de Cette. *Trav. Inst. Zool. Univ. Montp. Stn. Zool. Cette* **1902**, *11*, 1–103.
163. De Blauwe, H. *Fenestulina delicia* Winston, Hayward & Craig 2000, Een Nieuw Mosdiertje (Cheilostomata, Bryozoa) in Europa. *Strandvlo* **2008**, *28*, 154–157.
164. De Blauwe, H. On the Taxonomy and Distribution of the Family Pacificincolidae Liu & Liu, 1999 (Bryozoa, Cheilostomata), with the Description of a New Genus. *Bull. Inst. R. Sci. Nat. Belg.* **2006**, *76*, 139–145.
165. De Blauwe, H.; Faasse, M. Extension of the Range of the Bryozoans *Tricellaria inopinata* and *Bugula simplex* in the North-East Atlantic Ocean (Bryozoa: Cheilostomatida). *Ned. Faun. Meded.* **2001**, 103–112.
166. Poisson, R.; Rémy, P. Contribution à l'étude de La Faune Des Eaux Saumâtres. *Bull. Société Linn. Normandie* **1925**, *7*, 144–155.
167. Reverter-Gil, O.; Souto, J. Watersiporidae (Bryozoa) in Iberian Waters: An Update on Alien and Native Species. *Mar. Biodivers.* **2019**, *49*, 2735–2752, doi:10.1007/s12526-019-01003-4.
168. D'Hondt, J.-L. Un Nouvel Immigrant Dans Le Bassin d'Arcachon, *Watersipora aterrima* (Ortmann, 1890) (Bryozoaire Cheilostome).; 1984; Vol. 2, pp. 237–245.
169. Ruellet, T.; Breton, G. *V.I.P. : Vie Introduite Dans Les Ports*; GIP Seine Aval 4, 2012; p. 417;.
170. Bishop, J.D.D.; Roby, C.; Yunnice, A.L.E.; Wood, C.A.; Lévêque, L.; Turon, X.; Viard, F. The Southern Hemisphere Ascidian *Asterocarpa humilis* Is Unrecognised but Widely Established in NW France and Great Britain. *Biol. Invasions* **2013**, *15*, 253–260, doi:10.1007/s10530-012-0286-x.

171. Wheeler, A. A New Record of the Fish *Beryx splendens* Lowe in Northern European Waters. *Ann. Mag. Nat. Hist.* **1963**, *6*, 193–197, doi:10.1080/00222936308651342.
172. Bishop, J.D.D.; Wood, C.A.; Lévêque, L.; Yunnies, A.L.E.; Viard, F. Repeated Rapid Assessment Surveys Reveal Contrasting Trends in Occupancy of Marinas by Non-Indigenous Species on Opposite Sides of the Western English Channel. *Mar. Pollut. Bull.* **2015**, *95*, 699–706, doi:10.1016/j.marpolbul.2014.11.043.
173. Nydam, M.L.; Harrison, R.G. Introgression despite Substantial Divergence in a Broadcast Spawning Marine Invertebrate. *Evol. Int. J. Org. Evol.* **2011**, *65*, 429–442, doi:10.1111/j.1558-5646.2010.01153.x.
174. Monniot, C.; Giannesini, P.J.; Oudot, J.; Richard, M. Ascidiées: “Salissures” Marines et Indicateurs Biologiques (Métaux, Hydrocarbures). *Bull. Muséum Natl. Hist. Nat. Paris 4e Sér. Sect. Zool. Biol. Écologie Anim.* **1986**, *8*, 215–245.
175. Lambert, G. The South Temperate and Antarctic Ascidian *Corella eumyota* Reported in Two Harbours in North-Western France. *J. Mar. Biol. Assoc. U. K.* **2004**, *84*, 239–241, doi:10.1017/S0025315404009105h.
176. Harant, H. La Faune Ascidiologique de Banyuls et de Cette : Essai de Révision Des Ascidiées de La Méditerranée Occidentale. *Ann. Inst. Océan. Monaco* **1927**, *4*, 209–251.
177. Quignard, J.P. Biodiversité: La Méditerranée, Évolution de Sa Xénodiversité Ichtyique, Les Poissons Lessepsiens et Herculéens. *Bull. Académie Sci. Lett. Montp. Nouv. Sér.* **2011**, *42*, 105–124.
178. Turon, X.; Casso, M.; Pascual, M.; Viard, F. Looks Can Be Deceiving: *Didemnum pseudovexillum* Sp. Nov. (Ascidiacea) in European Harbours. *Mar. Biodivers.* **2020**, *50*, doi:10.1007/s12526-020-01083-7.
179. Lafargue, F. Les Peuplements Sessiles de l’Archipel de Glénan. II. Les Didemnidae — Systématique — Écologie. *Vie Milieu* **1968**, *19*, 353–446.
180. Monniot, C.; Monniot, F. Discussion Sur La Valeur de Deux Genres d’ascidiées à Propos d’espèces Nouvelles En Méditerranée. *Ann. Inst. Océan. Monaco* **1987**, *63*, 119–130.
181. Lelong, P. Capture d’un Macabité, *Epinephelus merra* Bloch, 1793 (Poisson, Serranidae), En Méditerranée Nord-Occidentale. *Mar. Life* **2005**, *15*, 63–66.
182. Bodilis, P.; Arceo, H.; Francour, P. Further Evidence of the Establishment of *Fistularia commersonii* (Osteichthyes: Fistulariidae) in the North-Western Mediterranean Sea. *Mar. Biodivers. Rec.* **2011**, *4*, e18, doi:10.1017/S1755267211000194.
183. Iglesias, S.P.; Bergoat, P.; Breton, P.; Brunelle, S.; Camusat, M.; Causse, R.; Charbonnel, E.; Chevaldonné, P.; Cordier, Y.; Cosquer, P.; et al. French Ichthyological Records for 2018. *Cybiu Rev. Int. Ichthyologie* **2020**, *44*, 285–307, doi:10.26028/CYBIUM/2020-444-001.
184. Iglesias, S.P.; Bariche, M.; Beau, F.; Berenger, L.; Beucher, R.; Chabrolle, A.; Cottalorda, J.-M.; Cousin, B.; Curd, A.; Danet, V.; et al. French Ichthyological Records for 2019. *Cybiu Rev. Int. Ichthyologie* **2021**, *45*, 169–188, doi:10.26028/cybiu/2021-453-001.
185. Monniot, F. *Microcosmus anchylodeirus* (Ascidiacea, Pyuridae) Introduced in the Mediterranean Sea. *Zootaxa* **2016**, *4175*, 222–230, doi:10.11646/zootaxa.4175.3.2.
186. Monniot, C. Apparition de l’ascidie *Microcosmus exasperatus* Dans Les Ports Méditerranéens. *Tethys* **1981**, *10*, 59–61.
187. Breton, G. Espèces introduites ou invasives des ports du Havre, d’Antifer et de Rouen (Normandie, France). *Hydroécologie Appliquée* **2014**, *18*, 23–65, doi:10.1051/hydro/2014003.
188. Le Mao, P. *Inventaire de la faune marine du golfe normano-breton*; IFREMER, 2009; p. 106;.
189. Pergent-Martini, C.; Provost, C. *Rapport d’activité 2021–2022 Réseau Alien Corse*; Convention Université de Corse Pascal Paoli & OEC, Avenant N°5 à la Convention 16/02 UCPP & OEC, Corte, 2022; p. 26;.
190. Monniot, C.; Monniot, F. Apparition de l’ascidie *Perophora japonica* Sur Les Côtes et Dans Les Ports de La Manche. *C. r. Séances Société Biogéographie* **1985**, *61*, 111–116.
191. Monniot, C. Ascidiées Littorales de Guadeloupe. II. Phlebobranches. *Bull. Muséum Natl. Hist. Nat. Paris* **1983**, *5*, 51–71.
192. Lozach, S.; Dauvin, J.-C. Temporal Stability of a Coarse Sediment Community in the Central Eastern English Channel Paleovalleys. *J. Sea Res.* **2012**, *71*, 14–24, doi:10.1016/j.seares.2012.03.007.

193. Quignard, J.-P.; Tomasini, J.A. Mediterranean Fish Biodiversity. *Biol. Mar. Mediterr.* **2000**, *7*, 1–66.
194. Daniel, B.; Piro, S.; Francour, P. Lessepsian Rabbitfish *Siganus luridus* Reached the French Mediterranean Coasts. *Cybum Rev. Int. Ichtyologie* **2009**, *33*, 163–164.
195. ICES Working Group on Introductions and Transfers of Marine Organisms (WGITMO); ICES Scientific Reports, 2011; Vol. 4;.
196. Otero, M.; Cebrian, E.; Francour, P.; Galil, B.S.; Savini, D. *Monitoring Marine Invasive Species in Mediterranean Marine Protected Areas (MPAs). A Strategy and Practical Guide for Managers*; IUCN, 2013; p. 136;.
197. Quéro, J.-C.; Du Buit, M.-H.; Fonteneau, J.; Kergoat, B.; Vayne, J.-J. Premières Observations Dans Les Ports Français de *Sphoeroides pachygaster* (Pisces, Tetraodontiformes, Tetraodontidae) Capturés Au Nord de Leur Aire de Répartition Connue. *Ann. Société Sci. Nat. Charente-Marit.* **1991**, *7*, 1058–1063.
198. Monniot, C. Sur Quatre Ascidies Rares Ou Mal Connues Des Côtes de La Manche. *Cah. Biol. Mar.* **1970**, *11*, 145–152, doi:10.21411/CBM.A.99E84343.
199. Lafargue, F. Didemnidae de Port-Cros (Ascidies Composées). Deux Espèces Nouvelles Pour Les Côtes de France. *Ann. Société Sci. Nat. Toulon-Var* **1972**, *24*, 120–140.
200. Gili, J.M.; Bouillon, J.; Pages, F.; Palanques, A.; Puig, P.; Heussner, S. Origin and Biogeography of the Deep-Water Mediterranean Hydromedusae Including the Description of Two New Species Collected in Submarine Canyons of Northwestern Mediterranean. *Sci. Mar.* **1998**, *62*, 113–134, doi:10.3989/scimar.1998.62n1-2113.
201. Schroth, W.; Jarms, G.; Streit, B.; Schierwater, B. Speciation and Phylogeography in the Cosmopolitan Marine Moon Jelly, *Aurelia* Sp. *BMC Evol. Biol.* **2002**, *2*, 1, doi:10.1186/1471-2148-2-1.
202. Scorrano, S.; Aglieri, G.; Boero, F.; Dawson, M.N.; Piraino, S. Unmasking *Aurelia* Species in the Mediterranean Sea: An Integrative Morphometric and Molecular Approach. *Zool. J. Linn. Soc.* **2016**, doi:10.1111/zoj.12494.
203. Denayer, J.-C. Trois Méduses Nouvelles Ou Peu Connues Des Côtes Françaises : *Maeotias inexpectata* Ostroumov, 1896, *Blackfordia virginica* Mayer, 1910, *Nemopsis bachei* Agassiz, 1849. *Cah. Biol. Mar.* **1973**, *14*, 285–294, doi:10.21411/CBM.A.B92D0221.
204. Goy, J. Les Hydroméduses de La Mer Ligure. *Bull. Muséum Natl. Hist. Nat.* **1972**, *62*, 965–1009.
205. Picard, J. Note Sur Les Hydraires Littoraux de Banyuls-Sur-Mer. *Vie Milieu* **1951**, *2*, 338–349.
206. Ferronière, G. Études Biologiques Sur Les Zones Supralittorales de La Loire-Inférieure. *Bull. Société Sci. Nat. Ouest Fr.* **1901**, *2*, 1–451.
207. Stephenson, E.M. On the Anatomy and Relationships of New or Little Known British Actiniaria. *J. Mar. Biol. Assoc. U. K.* **1925**, *13*, 891–909.
208. Carre, D.; Carré, C. Complex Reproductive-Cycle in *Eucheilota paradoxica* (Hydrozoa, Leptomedusae) - Medusae, Polyps and Frustules Produced from Medusa Stage. *Mar. Biol.* **1990**, *104*, 303–310.
209. Schuchert, P. The European Athecate Hydroids and Their Medusae (Hydrozoa, Cnidaria): Filifera Part 3. *Rev. Suisse Zool.* **2008**, *115*, 221–302, doi:10.5962/bhl.part.80426.
210. Teissier, G. Existence de *Gonionemus murabachi* Sur Les Côtes de Bretagne. *Trav. Stn. Biol. Roscoff* **1932**, *10*, 115–116.
211. Brylinski, J.-M.; Li, L.-L.; Vansteenbrugge, L.; Antajan, E.; Hoffman, S.; Ginderdeuren, K.; Vincent, D. Did the Indo-Pacific Leptomedusa *Lovenella assimilis* (Browne, 1905) or *Eucheilota menoni* Kramp, 1959 Invade Northern European Marine Waters? Morphological and Genetic Approaches. *Aquat. Invasions* **2016**, *11*, 21–32, doi:10.3391/ai.2016.11.1.03.
212. Tiffon, Y. Présence de *Nemopsis bachei* (Agassiz) Dans Les Eaux Saumâtres de La Gironde (Anthoméduse). Recherches Sur La Faune de l'estuaire de La Gironde, II. *Vie Milieu* **1956**, *7*, 550–553.
213. Zibrowius, H. *Oculina patagonica*, sclérectiniaire hermatypique introduit en Méditerranée. *Helgoländer Wiss. Meeresunters.* **1974**, *26*, 153–173, doi:10.1007/BF01611381.
214. Hoeksema, B.W.; Vicente, O.O. First Record of the Central Indo-Pacific Reef Coral *Oulastrea crispata* in the Mediterranean Sea. *Mediterr. Mar. Sci.* **2014**, *15*, 429–436, doi:10.12681/mms.751.
215. Antajan, E. The Invasive Ctenophore *Mnemiopsis leidyi* A. Agassiz, 1865 along the English Channel and the North Sea French Coasts: Another Introduction Pathway in Northern European Waters? *Aquat. Invasions* **2014**, *9*, 167–173, doi:10.3391/ai.2014.9.2.05.

216. Karachle, P.K.; Angelidis, A.; Apostolopoulos, G.; Ayas, D.; Ballesteros, M.; Bonnici, C.; Brodersen, M.M.; Castriota, L.; Chalari, N.; Cottalorda, J.M.; et al. New Mediterranean Biodiversity Records (March 2016). *Mediterr. Mar. Sci.* **2016**, *17*, 230–252, doi:10.12681/mms.1684.
217. Hoenselaar, H.J.; Hoenselaar, J. *Musculista senhousia* (Benson in Cantor, 1842) in the Western Mediterranean (Bivalvia, Mytilidae). *Basteria* **1989**, *53*, 73–76.
218. Vicente, N. *100 & une limaces de mer: guide d'identification des Mollusques Opisthobranches d'Atlantique et de Méditerranée*; Éd. GAP: Challes-les-Eaux, 2008; ISBN 978-2-7417-0353-2.
219. Bouchet, P.; Tardy, J. Faunistique et Biogéographie Des Nudibranches Des Côtes Françaises de l'Atlantique et de La Manche. *Ann. Inst. Océan. Paris* **1976**, 205–213.
220. Maurin, C.; Gras, P. Experiments on the Growth of the Mangrove Oyster, *Crassostrea rhizophorae*, in France. In *Exotic Species in Mariculture*; The MIT Press, Cambridge, Mass; 1979; pp. 123–128.
221. Fischer, P. Acclimatation, En France, de Mollusques Exotiques. *J. Conchyliol.* **1865**, *13*, 65–66.
222. Canu Question Du Crepidula. *Ostréiculteur Fr.* **1934**, *11*, 5.
223. Luczak, C.; Dewarumez, J.-M.; Essink, K. First Record of the American Jack Knife Clam *Ensis directus* on the French Coast of the North Sea. *J. Mar. Biol. Assoc. U. K.* **1993**, *73*, 233–235, doi:10.1017/S0025315400032768.
224. Hanson, D.; Hirano, Y.; Valdés, Á. Population Genetics of *Haminoea (Haloa) japonica* Pilsbry, 1895, a Widespread Non-Indigenous Sea Slug (Mollusca: Opisthobranchia) in North America and Europe. *Biol. Invasions* **2013**, *15*, 395–406, doi:10.1007/s10530-012-0294-x.
225. Merle, D.; Filippozzi, D. First Record of *Trunculariopsis trunculus* (Linnaeus, 1758) (Mollusca: Gastropoda) from the Basin of Arcachon (Gironde): The Second Exotic Muricid on the French Atlantic Coast. *Cah. Biol. Mar.* **2005**, *46*, 299–303, doi:10.21411/CBM.A.386A6650.
226. Lafont, A. Note Pour Servir à La Faune de La Gironde Contenant La Liste Des Animaux Marins Dont La Présence à Arcachon a Été Constatée Pendant Les Années 1867 et 1868. *Actes Société Linn. Bordx.* **1968**, *26*, 518–531.
227. Fischer, P. Faune Conchyliologique Marine Du Département de La Gironde et Des Côtes Du Sud-Ouest de La France. 2e Supplément. *Actes Société Linn. Bordx.* **1873**, *29*, 193–255.
228. Trochon, P. *Rapport Sur l'activité Du Laboratoire de La Tremblade - Année 1957*; Ifremer, 1957;
229. Cochenne, N.; Renault, T.; Boudry, P.; Chollet, B.; Gerard, A. *Bonamia*-like Parasite Found in the Suminoe Oyster *Crassostrea rivularis* Reared in France. *Dis. Aquat. Organ.* **1998**, *34*, 193–197, doi:10.3354/dao034193.
230. Boudry, P.; Gerard, A.; Naciri, Y.; Launey, S.; Ledu, C.; Phelipot, P.; Heurtebise, S. *Acclimatation de Nouvelles Espèces d'huîtres Creuses Du Genre Crassostrea : Hybridation et Conservatoire de Souches. Contrat Région Poitou-Charentes 1994–1998 - 1ère Partie : Rapport Année 1994*; 1994;
231. Cochard, J.C.; Comps, M.; Buestel, D.; Paquotte, P. Introduction of the Japanese Scallop *Patinopecten yessoensis* (Jay) into France and the Hatchery Production of the F1 Generation. In *Scallop Biology and Culture*; World Aquaculture Society: Louisiana, 1991; pp. 281–286.
232. Stora, G. Évolution Des Peuplements Benthiques d'un Étang Marin Soumis à Un Effluent d'eaux Douces. *Bull. Ecol.* **1976**, *7*, 275–281.
233. Sauriau, P.-G.; Pigeot, J. Contribution à l'inventaire de La Macrofaune Marine En Baie de Marennes-Oléron. *Ann. Société Sci. Nat. Charente-Marit.* **2010**, *10*, 23–44.
234. Bougrier, S.; Tige, G.; Bachere, E.; Grizel, H. *Ostrea angasi* Acclimatization to French Coasts. *Aquac. Amst. Neth.* **1986**, *58*, 151–154, doi:10.1016/0044-8486(86)90165-1.
235. Grizel, H.; Comps, M.; Raguene, D.; Leborgne, Y.; Tige, G.; Martin, A.G. Bilan des essais d'acclimatation d'*Ostrea chilensis* sur les côtes de Bretagne. *Rev. Trav. Inst. Pêch. Marit.* **1982**, *46*, 209–225.
236. Pascual, M.; Martin, A.-G.; Zampatti, E.; Coatanea, D.; Defosse, J.; Robert, R. *Testing of the Argentina Oyster Ostrea puelchana, in Several French Oyster Farming Sites*; ICES Mariculture Committee, 1991; p. 17;.
237. Zibrowius, H. Serpulidae (Annelida Polychaeta) de l'Océan Indien Arrivés Sur Des Coques de Bateaux à Toulon (France, Méditerranée). *Rapp Comm Int Mer Médit* **1979**, *25/26*, 2.

238. Boettger, C.R. Die Herkunft Und Verwandtschaftsbeziehungen Der Wasserschnecke *Potamopyrgus jenkinsi* E. A. Smith, Nebst Einer Angabe Über Ihr Auftreten Im Mediterrangebiet. *Arch. Für Molluskenkd.* **1951**, *80*, 57–85.
239. Nolf, F. Confirmation of the Presence of *Fusinus rostratus* (Olivi, 1792) as a New Invader in Northern Waters of Brittany (France) *Pusionella albocincta* (Petit de La Saussaye, 1851): A Form of *P. nifat* (Bruguère, 1792) (Mollusca: Gastropoda: Turridae). *Neptunea* **2009**, *8*, 9–16.
240. Faillettaz, R.; Roger, C.; Mathieu, M.; Robin, J.P.; Costil, K. Establishment and Population Features of the Non-Native Atlantic Rangia, *Rangia cuneata* (Mollusca: Bivalvia), in Northwestern France. *Aquat. Invasions* **2020**, *15*, 367–381, doi:10.3391/ai.2020.15.3.02.
241. Camus, P. Un Bien Discret et Redoutable Prédateur de Coquillages, l'exotique Globe-Trotter : *Rapana venosa*. *La Vigie* **2001**, *26*, 3–9.
242. Flassch, J.-P. Culture de Palourdes Sur Sable En Étang Marin Menée à l'Île Tudy. Résultats et Perspectives. *Bull. CNEXO* **1978**, *119*, 7–8.
243. Deleamarre, J.-L.; Le Neuthiec, R. Faune Régionale : Espèce Introduite : Présence de *Gibbula albida* Dans Le Golfe Du Morbihan (Morbihan) et Dans La Région de Paimpol (Côtes d'Armor). *Bull. Société Sci. Nat. Ouest Fr.* **1995**, *17*, 54–61.
244. Bachelet, G.; Cazaux, C.; Gantès, H.; Labourg, P.-J. Contribution à l'étude de La Faune Marine de La Région d'Arcachon. *Bull. Cent. D'Études Rech. Sci. Biarritz* **1980**, *13*, 45–64.
245. Le Dantec, J. Les Bigorneaux Perceurs. *Bull. Inst. Sci. Tech. Pêch. Marit.* **1960**, *80*, 1–3.
246. Zenetos, A.; Gofas, S.; Russo, G.; Templado, J. *CIESM Atlas of Exotic Species in the Mediterranean. Molluscs. Volume 3*; Briand, F., Ed.; CIESM Publishers.; CIESM Publishers: Monaco, 2004; Vol. 3;.
247. Dauvin, J.-C.; Gofas, S.; Raoux, A.; Bouchet, V.; Pavard, J.-C.; Pezy, J.-P. The American Protobranch Bivalve *Yoldia limatula* (Say, 1831) in European Waters. *BioInvasions Rec.* **2022**, *11*, 473–481, doi:10.3391/bir.2022.11.2.20.
248. Fontaine, Y.A.; Le Belle, N.; Lopez, E.; Querat, B.; Vidal, B.; Barthélémy, L.; Sebert, P.; Alinat, J.; Petter, A.J. Infestation de populations françaises d'anguilles (*Anguilla anguilla* L.) par des Nématodes *Anguillicola crassus* : essais thérapeutiques évaluation de risques potentiels liés à l'écophysiologie de l'hôte. *Ann. Parasitol. Hum. Comparée* **1990**, *65*, 64–68, doi:10.1051/parasite/1990652064.
249. Maurin, C.; Le Dantec, J. The Culture of *Crassostrea gigas* in France. In *Exotic species in mariculture*; The MIT Press: Cambridge, Massachusetts, 1979; pp. 106–123.
250. Lambert, A.; Le Brun, N.; Pariselle, A. Présence En France de *Pseudodactylogyrus anguillae* (Yin et Sproston, 1948) Gussev, 1965 (Monogenea, Monopisthocotylea) Parasite Branchial de l'anguille Européenne *Anguilla anguilla* En Eau Douce. *Ann. Parasitol. Hum. Comparée* **1984**, *60*, 91–92.
251. Perez, T.; Perrin, B.; Carteron, S.; Vacelet, J.; Boury-Esnault, N. *Celtodoryx girardae* Gen. Nov. Sp. Nov., a New Sponge Species (Poecilosclerida: Demospongiae) Invading the Gulf of Morbihan (North East Atlantic, France). *Cah. Biol. Mar.* **2006**, *47*, 205–214, doi:10.21411/CBM.A.1E48CEBD.