

# World Register of Marine Species and Aphia IT platform

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Flanders marine institute



# overview

- **Introduction to WoRMS**
  - Framework
  - What (data & statistics)
  - Who (editorial board, SC and data managers)
- **Aphia IT platform (How)**
  - online edit interface
  - Publication (website, citations, database download)
  - Tools (taxon match, webservice)
- **Future**

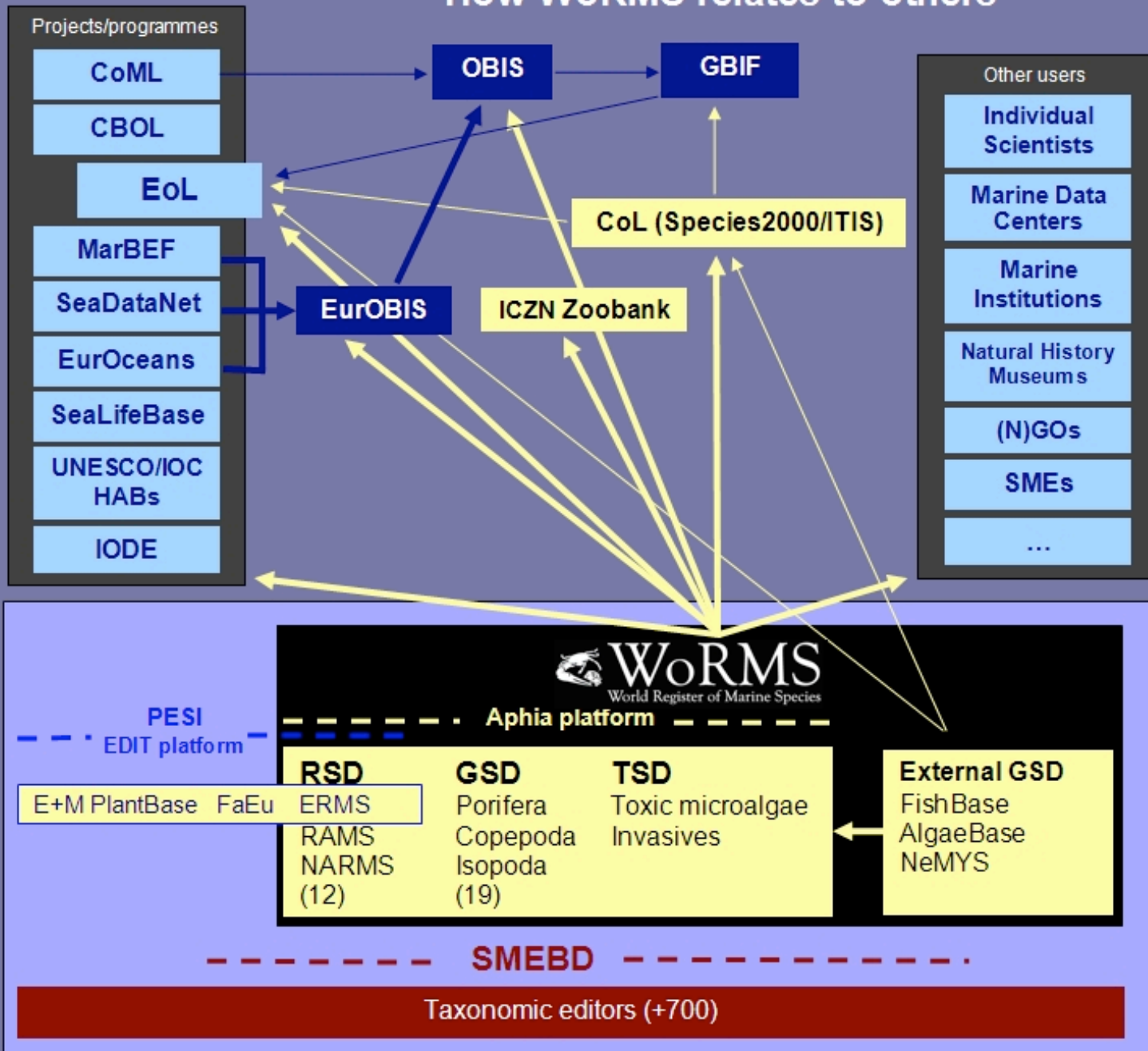


# History

- In 1999, VLIZ developed Aphia, a taxonomic database to support local researchers, and which resulted in a species register for the Belgian part of the North Sea.
- In 2004, VLIZ hosts the European Register of Marine Species and sets up the European Node of OBIS , with funding from MarBEF (EU FP7)
- From 2004 onwards, more registers came to VLIZ and more grew from Aphia, via the online edit interface (e.g. RAMS)=>World Register of Marine Species (since 2007)



# How WoRMS relates to others





# www.marinespecies.org



## WoRMS

World Register of Marine Species

- Home
- About
- Search taxa**
- Taxon tree
- Literature
- Checklist
- Specimens
- Match taxa
- Editors
- Statistics
- Webservice
- Photogallery
- Log in

### WoRMS Taxon search

Enter the name of the taxon you want to look up. Genus and subgenus names should be included for species. Valid wildcards are '%' and '\_' ('%' replaces zero or more characters, '\_' replaces a single character; click [here](#) for details and examples). If you're not sure of the genus and/or subgenus of a species, replace them with a '%', followed by a space.

Search: Scientific Name

*e.g. Chromadora kreisi, Siriella, ... ; leave blank for a complete list of taxa*

Fuzzy matching ([what's this?](#))

Limit to accepted taxa

Limit to marine taxa

Taxon rank: lower or equal to

Limit to taxa belonging to:

*e.g. Mysidae. Only taxa with rank above genus will be returned.*




RSS


Add provider



# www.marbef.org/data/erms.php



## MarBEF Data System



Introduction
Geography
Datasets
ERMS
EurOBIS

### ERMS Taxon search

*(48,000 names; 30,000 valid species; 2,000 References)*

Enter the name of the taxon you want to look up. Genus and subgenus names should be included for species. Valid wildcards are '%' and '\_' ('%' replaces zero or more characters, '\_' replaces a single character; click [here](#) for details and examples). If you're not sure of the genus and/or subgenus of a species, replace them with a '%', followed by a space.

Search: Scientific Name begins with


e.g. Chromadora kreisi, Siriella, ... ; leave blank for a complete list of taxa

Fuzzy matching ([what's this?](#))  
 Limit to accepted taxa  
 Limit to marine taxa

Taxon rank: lower or equal to Kingdom

Limit to   
 taxa belonging to: e.g. Mysidae. Only taxa with rank above genus will be returned.

# www.marinespecies.org/copepoda



**World of Copepods**

About Search Browse Bibliography Stats Log in

### Copepoda Taxon search

Enter the name of the taxon you want to look up. Genus and subgenus names should be included for species. Valid wildcards are '%' and '\_' ('%' replaces zero or more characters, '\_' replaces a single character; click [here](#) for details and examples). If you're not sure of the genus and/or subgenus of a species, replace them with a '%', followed by a space.

Search:

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Fuzzy matching ([what's this?](#))

Limit to accepted taxa

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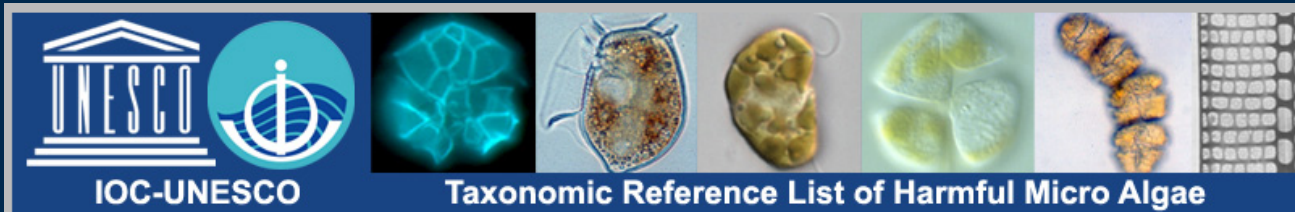
Taxon rank:

Limit to taxa belonging to:

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Website and database developed and hosted by VLIZ · Page generated 2008-12-03 GMT · contact: Chad Walter

# www.marinespecies.org/hab



[Introduction](#) | [Diatoms](#) | [Haptophytes](#) | [Dinoflagellates](#) | [Raphidophyceans](#) | [Checklist](#) | [Literature](#) | [Images](#) | [Log in](#)

## IOC-UNESCO Taxonomic Reference List of Harmful Micro Algae

The predecessor and basis for this list is the on-line version of the [IOC Taxonomic Reference list of Toxic Plankton Algae](#) which was provided in cooperation with and hosted by the Department of Biology, University of Copenhagen.

### Scientific name

begins with

[\[Advanced search\]](#)

### [Introduction](#) | [History](#) | [Citation](#) | [Editors](#)

Problems pertaining to harmful microalgae are being worked on and discussed by many categories of researchers: ecologists, taxonomists, toxicologists, by persons involved in monitoring the environments for harmful effect of toxic algae, by politicians, journalists, etc. It is a source of confusion that the scientific ('Latin') names of the algae sometimes change when the organisms become available for more detailed studies due to improved methodology or after establishment of the organisms in pure cultures, and such changes may give rise to misunderstandings.

This site has the following aims:

- to provide a catalogue of the world's harmful micro algal species
- to promote stability in harmful micro algal nomenclature
- to act as a tool for higher taxonomic revisions and regional monographs
- to provide a base link for other online databases that use harmful micro algal nomenclature

To provide sufficient expert knowledge for maintaining the list, we have formed an [editorial committee](#) to whom the queries on particular taxa should be addressed.

The List contains both species producing toxins and species that cause harm due to biomass, purple porphyry, cyanobacteria



# www.scarmarbin.be/rams.php



## SCAR-MarBIN

Regional OBIS Node for the Antarctic



+++ Day 644 of International Polar Year. +++

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Search















Project implemented within the [Belgian Biodiversity Platform](#), Webportal hosted and maintained by [Flanders Marine Institute \(VLIZ\)](#) - Contact [info@scarmarbin.be](mailto:info@scarmarbin.be)  
 Total number of visitors: 497134 - Total hits: 2875113 (since 2005-10-26) - page generated: 2008-12-03 14:57:45

# What data?

- **Minimal**
  - Classification, Species name, Authority and publication date
- **Highly desired**
  - Basionym, Original publication reference, Holotype information (type locality, museum, number, ..)
- **Optional**
  - additional synonyms, references, images, morphological description, specimens, distribution, feeding type, host, weblinks, PDFs



# Statistics

<b>Taxon names</b>	<b>236023</b>
<b>Valid species</b>	<b>128752</b>
<b>Synonyms</b>	<b>59751</b>
<b>Sources</b>	<b>123171</b>
<b>Distributions</b>	<b>195645</b>
<b>Specimens</b>	<b>2911</b>
<b>Pictures</b>	<b>7558</b>
<b>Notes</b>	<b>85911</b>
<b>Links</b>	<b>29730</b>
<b>Feeding types</b>	<b>10524</b>





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(+ ~12,000 freshwater taxa; 5%)



# Data quality

The amount of data is increasing.

In 2008:

74,000 names were added;

26,000 names were updated.

- 30% of all taxon names is not validated as yet (this was 40% in June 2008)



# Taxonomic editors

## Taxonomic editors in

- Aphia: 176
- WoRMS: 87
- ERMS: 72
- RAMS: 58
- FADA: 58
  - ERMS & WoRMS: 32
  - RAMS & WoRMS: 12
  - ERMS & RAMS: 11
  - Aphia & FADA: 10
- WoRMS, ERMS and FaEu united in SMEBD

## Society for the Management of Electronic Biodiversity Data (SMEBD)



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### Visitors

330484 Visitors

### Society for the Management of Electronic Biodiversity Data

A society aiming to make biodiversity data available for the benefit of science and environmental management. This includes the archiving of electronic biodiversity data and encouraging and facilitating data being given an 'added value' by being combined and linked with other data.

Last Updated ( Monday, 15 September 2008 )

### Would you like an electronic copy of the European Register of Marine Species database?

If you would like a copy of the ERMS database please submit requests on the form which can be downloaded from the [documents](#) section.

Before you request an electronic copy please look at the current online version

[. Online version of ERMS.](#)

Last Updated ( Tuesday, 20 March 2007 )

[Read more...](#)

**More...**

- [Who are using ERMS?](#)

### Would you like an electronic copy of the Fauna Europaea database?

If you would like a copy of the Fauna Europaea database please submit requests on the form which can be downloaded from the [documents](#) section.

Last Updated ( Tuesday, 20 March 2007 )

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### Latest News

- ERMS and uBio
- Who are using ERMS?
- ERMS linked with Species 2000
- More than 10,000 species from ERMS visible through EuroBIS
- New functionalities of the ERMS website



### Login Form

### Who's Online

We have 1 guest online

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# Steering Committee & Data Managers

- 10 SC members (1 chair)
  - Yearly election
- Data managers (one ex-officio SC member)
- IT developer



# Expert info and access control

**Aphia db**

**Security  
Tools db**

**IMIS db**

Aphia Editor details  
Name and login  
information  
Aphia taxon ID  
Aphia collection  
e.g. WoRMS,  
ERMS,  
RAMS, ..

Login details  
Username  
Password  
IMIS ID  
Access context  
e.g. Aphia,  
VLIMAR,  
photogallery,  
news, MDA, ..

Contact details  
People  
Insitutions  
Literature  
Datasets  
Projects  
..



# WORLD PORIFERA DATABASE

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## Porifera taxon details

### *Timea hechteli* Lehnert & Heimler, 2001

AphiaID: 368472

**Classification:** [Biota](#) > [Animalia](#) > [Porifera](#) > [Demospongiae](#) > [Hadromerida](#) > [Timeidae](#) > [Timea](#)

**Status** accepted

**Record status** Checked by Taxonomic Editor

**Rank** Species

**Parent** *Timea* Gray, 1867

**Synonymised taxa** *Timea stellata* Little, 1963

**Sources** **original description:** Little, F.J. Jr. (1963). The sponge fauna of the St. George's Sound, Apalache Bay, and Panama City Regions of the Florida Gulf Coast. *Tulane Studies in Zoology* 11(2): 31-71.

**original description:** Lehnert, H.; Heimler, W. 2001. Description of the North Jamaican *Timea micraster* n.sp. (Porifera: Demospongiae: Hadromerida: Timeidae). *Beaufortia* 51 (12): 213-220.

**basis of record:** Hechtel, G.J. 1969. New species and records of shallow water Demospongiae from Barbados, West Indies. *Postilla* (132): 1-38.

**Environment** marine, brackish, fresh, terrestrial

**Fossil range** recent only

**Distribution** Gulf of Mexico [[details](#)]

**Note** This is a replacement name for Little's (1963) *Timea stellata* (preoccupied by *Timea stellata* (Bowerbank, 1866), cf. Hechtel, 1969. [[details](#)]

**Edit history**

Date	action	by
2008-10-17 08:32:13 GMT	created	van Soest Rob

[[Taxonomic tree](#)] [[Google](#)] [[Google scholar](#)] [[Google images](#)]




**Dr van Soest, Rob** [[card](#)]

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Fax: +31-(0)20-525 54 02

 Email: [r.w.m.vansoest@uva.nl](mailto:r.w.m.vansoest@uva.nl)
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- [Marine Biodiversity and Ecosystem Functioning - EU Network of Excellence, \[details\]\(#\)](#)
- [Web Accessible Taxonomic Expertise in MarBEF: PROviding an e-Platform for the European Taxonomists, \[details\]\(#\)](#)

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- [ZMA-Porifera, \[details\]\(#\)](#)

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- [Buizer, D.A.G.; Van Soest, R.W.M. \(1977\). \*Mycale micracanthoxea\* nov. spec. \(Porifera, Poecilosclerida\) from the Netherlands. \*Neth. J. Sea Res.\* 11\(3-4\): 297-304, \[details\]\(#\)](#)
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- [Ilan, M. et al. \(2004\). Taxonomy, reproduction and ecology of new and known Red Sea sponges. \*Sarsia\* 89\(6\): 388-410, \[details\]\(#\)](#)
- [Raleigh, J. et al. \(2007\). Mitochondrial Cytochrome oxidase 1 phylogeny supports alternative taxonomic scheme for the marine Haplosclerida. \*J. Mar. Biol. Ass. U.K. Spec. Issue\* 87\(6\): 1577-1584, \[details\]\(#\)](#)
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Porifera ta

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**Dr van Soest, Rob** [[card](#)]**Institute:**

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Direct contact at institute:

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Email: [r.w.m.vansoest@uva.nl](mailto:r.w.m.vansoest@uva.nl)**Projects (3)**

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**Web Accessible Taxonomic Expertise in MarBEF: PROviding an e-Platform for the European Taxonomists**[Meld een fout in dit record](#)[Instituten](#) | [URL](#)**Details:**Overkoepelend project: Marine Biodiversity and Ecosystem Functioning - EU Network of Excellence, [details](#)

Acroniem: PROPE-taxon

Periode: December 2005 tot December 2008

Status: Gestart

**Instituten (17)**[Top](#) | [URL](#)

- Hellenic Centre for Marine Research; Institute of Marine Biology and Genetics; Biodiversity & Ecosystem Management Department, [details](#), partner
  - Arvanitidis, Christos, coördinator, projectleider
  - Eleftheriou, Anastasios, coördinator
- Natural History Museum; Department of Zoology, [details](#), partner
  - Paterson, Gordon
- Plymouth Marine Laboratory, [details](#), partner
  - Kendall, Mike
- Vlaams Instituut voor de Zee, [details](#), partner
  - Vanden Berghe, Edward
  - Appeltans, Ward
- Ecological Consultancy Services Ltd, [details](#), partner
  - Emblow, Chris
- Polish Academy of Sciences; Institute of Oceanology, [details](#), partner
  - Weslowski, Jan Marcin
  - Kotwicki, Lech
  - Sławomir, Kwasniewski
  - Moskal, Wojciech
  - Legczynska, Joanna
- National Institute of Biology; Marine Biological Station Piran, [details](#), partner
  - Malej, Alenka
- Universiteit Gent; Faculteit Wetenschappen; Vakgroep Biologie; Afdeling Mariene Biologie, [details](#), partner
  - Vincx, Magda
- Consorzio Nazionale Interuniversitario per le Scienze del Mare; University of Lecce; Dipartimento di Scienze e Tecnologie Biologiche e Ambientali; Laboratory of Zoology and Marine Biology, [details](#), partner
  - Boero, Ferdinando
- Centre of Marine and Environmental Research; Interdisciplinary Centre for Marine and Environmental Research (Porto), [details](#), partner
  - Sousa Pinto, Isabel
  - Neto, Ana
- Universiteit van Amsterdam; Faculteit der Natuurwetenschappen, Wiskunde en Informatica; Zoologisch Museum Amsterdam, [details](#), partner
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  - Pierrot-Bults, Annelies C.

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Email: [r.w.m.vansoest@uva.nl](mailto:r.w.m.vansoest@uva.nl)

**Projects (3)**

- [Bringing biogeographical data online](#), [details](#)
- [Marine Biodiversity and Ecosystem Functioning - EU Net](#)
- [Web Accessible Taxonomic Expertise in MarBEF: PROvi](#)

**Datasets (2)**

- [World Porifera Database](#), [details](#)
- [ZMA-Porifera](#), [details](#)

**Publications (59)** [ [36 peer reviewed](#) ] [Split up](#)

- [Buizer, D.A.G.; Van Soest, R.W.M. \(1977\). Mycale n the Netherlands. \*Neth. J. Sea Res.\* 11\(3-4\): 297-304, \[detai\]\(#\)](#)
- [de S. Carvalho, M. et al. \(2004\). Amorphinopsis \(Hal the description of a new species. \*J. Mar. Biol. Ass. U.K. i\*](#)
- [Erpenbeck, D.; van Soest, R.W. \(2007\). Status and \*Biotechnol.\* 9\(1\): 2-19, \[details\]\(#\)](#)
- [Hajdu, E.; Van Soest, R.W.M. \(1996\). Choosing amc paradigm. \*Med. K. Belg. Inst. Nat. Wet.\* 66\(Suppl.\): 81-88](#)
- [Hajdu, E.; Van Soest, R.W.M. \(1996\). Choosing amc paradigm. \*in: Willenz, Ph. \(1996\). Recent advances in sp Proceedings of the 10th Workshop on Atlanto-Mediterran Bulletin van het Koninklijk Belgisch Instituut voor Natuur Sciences Naturelles de Belgique. Biologie\*, 66\(Suppl.\): pp](#)
- [Ilan, M. et al. \(2004\). Taxonomy, reproduction and ec 388-410, \[details\]\(#\)](#)
- [Raleigh, J. et al. \(2007\). Mitochondrial Cytochrome o scheme for the marine Haplosclerida. \*J. Mar. Biol. Ass. U\*](#)
- [Sanders, M.L.; Van Soest, R.W.M. \(1996\). A revised \*Inst. Nat. Wet.\* 66\(Suppl.\): 117-122, \[details\]\(#\)](#)
- [Sanders, M.L.; Van Soest, R.W.M. \(1996\). A revised \(1996\). \*Recent advances in sponge biodiversity inventory on Atlanto-Mediterranean Sponges Taxonomy\*. Brussels, A](#)

**World Porifera Database****Details:**

**Type:** Literature-based

**Status:** In Progress

**Access constraint:** Release with permission of the appropriate parties

**Version:** 29 Jul 2005

**Size reference:** 9879 valid species names

**Citation:** Van Soest, R.W.M., Boury-Esnault, N., Hooper, J.N.A., Rützler, K., de Voogd, N.J., Alvarez de Glasby, Hajdu, E., Pisera, A., B., Manconi, R., Schoenberg, C., Janussen, D., Tabachnick, K.R., Klautau, M. (2008).

World Porifera database. Available online at <http://www.marinespecies.org/porifera>. Consulted on yyyy-mm-dd

**Abstract:** A world checklist of Porifera provided by Rob Van Soest. The checklist contains 9879 valid species names, synonyms and information about the locality.

**Habitat:** Marine

**Themes:** Biology, Biology > Ecology - biodiversity, Biology > Invertebrates

**Keywords:** Classification, Marine invertebrates, Species, Taxonomy

**Responsibles (3)**[Top](#) | [Parameter](#) | [Instance](#) | [Publication](#)

- [van Soest, Rob](#), data manager [ [UVA-ZMA: Universiteit van Amsterdam; Faculteit der Natuurwetenschappen, Wiskunde en Informatica; Zoologisch Museum Amsterdam](#), [details](#) ]
- [van Soest, Rob](#), contact [ [UVA-ZMA: Universiteit van Amsterdam; Faculteit der Natuurwetenschappen, Wiskunde en Informatica; Zoologisch Museum Amsterdam](#), [details](#) ]
- [VLIZ: Vlaams Instituut voor de Zee](#), [details](#), [database developer](#)

**Taxonomic coverage:**

- [Porifera \[Sponges\] \[apnia\]](#)

**Temporal coverage:**

- [From 1748 on \[in Progress\]](#)

**Geographical cover:**

- [World Waters \[gazetteer\]](#)

**Parameter:**[Top](#) | [Responsibles](#) | [Instance](#) | [Publication](#)

- [Parameter: Taxonomy](#)

**Parent dataset**

- [World Register of Marine Species](#), [details](#)

**Instance:**[Top](#) | [Responsibles](#) | [Parameter](#) | [Publication](#)

**Medium:** Server

**Location:** S:\data\Original datasets\MARBEF\GlobalPorifera[546]

**Storage insitute:** [VLIZ: Vlaams Instituut voor de Zee](#), [details](#)

**Contacts:**

- [Hernandez, Francisco](#) [ [VLIZ: Vlaams Instituut voor de Zee](#), [details](#) ]
- [Appeltans, Ward](#) [ [VLIZ: Vlaams Instituut voor de Zee](#), [details](#) ]
- [van Soest, Rob](#) [ [UVA-ZMA: Universiteit van Amsterdam; Faculteit der Natuurwetenschappen, Wiskunde en Informatica; Zoologisch Museum Amsterdam](#), [details](#) ]

**URL:** Online dataset: [www.marinespecies.org/porifera](http://www.marinespecies.org/porifera)

**Publication:**[Top](#) | [Responsibles](#) | [Parameter](#) | [Instance](#)

**Used in this dataset:**

- [Hooper, J.N.A.; Van Soest, R.W.M. \(Ed.\) \(2002\). Systema Porifera: a guide to the classification of Sponges. Kluwer Academic/Plenum Publishers: New York, NY \(USA\). ISBN 0-306-47260-0. xiv, 1-1101, 1103-1706 \(2](#)

Porifera ta

**Timea h**

AphiaID: 368

Classification:

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**Dr van Soest, Rob** [ [card](#) ]

[Report an error in this record](#)
**Institute:**
[Top](#) | [Publications](#) | [Projects](#) | [Datasets](#)

**UVA-ZMA: Universiteit van Amsterdam; Faculteit der Natuurwetenschappen, Wiskunde en Informatica; Zoologisch Museum Amsterdam, [details](#)**

Direct contact at institute:

Phone: +31-(0)20-525 69 01

Fax: +31-(0)20-525 54 02

 Email: [r.w.m.vansoest@uva.nl](mailto:r.w.m.vansoest@uva.nl)
**Projects (3)**
[Top](#) | [Institute](#) | [Publications](#) | [Datasets](#)

- [Bringing biogeographical data online, \[details\]\(#\)](#)
- [Marine Biodiversity and Ecosystem Functioning - EU Network of Excellence, \[details\]\(#\)](#)
- [Web Accessible Taxonomic Expertise in MarBEF: PROviding an e-Platform for the European Taxonomists, \[details\]\(#\)](#)

**Datasets (2)**
[Top](#) | [Institute](#) | [Publications](#) | [Projects](#)

- [World Porifera Database, \[details\]\(#\)](#)
- [ZMA-Porifera, \[details\]\(#\)](#)

**Publications (59)** [ [36 peer reviewed](#) ] [Split up](#)
[Top](#) | [Institute](#) | [Projects](#) | [Datasets](#)

- [Buizer, D.A.G.; Van Soest, R.W.M. \(1977\). \*Mycale micracanthoxea\* nov. spec. \(Porifera, Poecilosclerida\) from the Netherlands. \*Neth. J. Sea Res.\* 11\(3-4\): 297-304, \[details\]\(#\)](#)
- [de S. Carvalho, M. et al. \(2004\). \*Amorphinopsis\* \(Halichondrida: Demospongiae\) from the Atlantic Ocean, with the description of a new species. \*J. Mar. Biol. Ass. U.K.\* 84\(5\): 925-930, \[details\]\(#\)](#)
- [Erpenbeck, D.; van Soest, R.W. \(2007\). Status and perspective of sponge chemosystematics. \*Mar. Biotechnol.\* 9\(1\): 2-19, \[details\]\(#\)](#)
- [Hajdu, E.; Van Soest, R.W.M. \(1996\). Choosing among poriferan morphological characters within the cladistic paradigm. \*Med. K. Belg. Inst. Nat. Wet.\* 66\(Suppl.\): 81-88, \[details\]\(#\)](#)
- [Hajdu, E.; Van Soest, R.W.M. \(1996\). Choosing among poriferan morphological characters within the cladistic paradigm. \*in\*: Willenz, Ph. \(1996\). \*Recent advances in sponge biodiversity inventory and documentation: Proceedings of the 10th Workshop on Atlanto-Mediterranean Sponge Taxonomy, Brussels, April 25-30, 1995. Bulletin van het Koninklijk Belgisch Instituut voor Natuurwetenschappen. Biologie = Bulletin de l'Institut Royal des Sciences Naturelles de Belgique. Biologie\*, 66\(Suppl.\): pp. 81-88, \[details\]\(#\)](#)
- [Ilan, M. et al. \(2004\). Taxonomy, reproduction and ecology of new and known Red Sea sponges. \*Sarsia\* 89\(6\): 388-410, \[details\]\(#\)](#)
- [Raleigh, J. et al. \(2007\). Mitochondrial Cytochrome oxidase 1 phylogeny supports alternative taxonomic scheme for the marine Haplosclerida. \*J. Mar. Biol. Ass. U.K. Spec. Issue\* 87\(6\): 1577-1584, \[details\]\(#\)](#)
- [Sanders, M.L.; Van Soest, R.W.M. \(1996\). A revised classification of \*Spongia mycofijiensis\*. \*Med. K. Belg. Inst. Nat. Wet.\* 66\(Suppl.\): 117-122, \[details\]\(#\)](#)
- [Sanders, M.L.; Van Soest, R.W.M. \(1996\). A revised classification of \*Spongia mycofijiensis\*, \*in\*: Willenz, Ph. \(1996\). \*Recent advances in sponge biodiversity inventory and documentation: Proceedings of the 10th Workshop on Atlanto-Mediterranean Sponge Taxonomy, Brussels, April 25-30, 1995. Bulletin van het Koninklijk Belgisch\*](#)

Porifera ta

*Timea h*

AphiaID: 368

Classification:

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Dr van Soest, Rob [card]

## Institute:

UVA-ZMA: Universiteit van Amsterdam; F  
Wiskunde en Informatica; Zoologisch M

Direct contact at institute:

Phone: +31-(0)20-525 69 01

Fax: +31-(0)20-525 54 02

Email: r.v.w.vansoest@uva.nl

## Projects (3)

- Bringing biogeographical data online, [details](#)
- Marine Biodiversity and Ecosystem Functio
- Web Accessible Taxonomic Expertise in M

## Datasets (2)

- World Porifera Database, [details](#)
- ZMA-Porifera, [details](#)

## Publications (59) [ 36 peer reviewed ] Split up

- Buizer, D.A.G.; Van Soest, R.W.M. (1977). *Mycale micracanthoxea* nov. spec. (Porifera, Poecilosclerida) from the Netherlands. *Neth. J. Sea Res.* 11(3-4): 297-304, [details](#)
- de S. Carvalho, M. *et al.* (2004). *Amor* the description of a new species. *J. Mar. Bi*
- Erpenbeck, D.; van Soest, R.W. (2007) *Biotechnol.* 9(1): 2-19, [details](#)
- Hajdu, E.; Van Soest, R.W.M. (1996). *l* paradigm. *Med. K. Belg. Inst. Nat. Wet.* 66(
- Hajdu, E.; Van Soest, R.W.M. (1996). *l* paradigm. *in*: Willenz, Ph. (1996). *Recent a* *Proceedings of the 10th Workshop on Atlan* *Bulletin van het Koninklijk Belgisch Institu* *Sciences Naturelles de Belgique. Biologie,* *l*
- Ilan, M. *et al.* (2004). Taxonomy, reproduction and ecology of new and known Red Sea sponges. *Sarsia* 89(6): 388-410, [details](#)
- Raleigh, J. *et al.* (2007). Mitochondrial Cytochrome oxidase 1 phylogeny supports alternative taxonomic scheme for the marine Haplosclerida. *J. Mar. Biol. Ass. U.K. Spec. Issue* 87(6): 1577-1584, [details](#)
- Sanders, M.L.; Van Soest, R.W.M. (1996). A revised classification of *Spongia mycofijiensis*. *Med. K. Belg. Inst. Nat. Wet.* 66(Suppl.): 117-122, [details](#)
- Sanders, M.L.; Van Soest, R.W.M. (1996). A revised classification of *Spongia mycofijiensis*, *in*: Willenz, Ph. (1996). *Recent advances in sponge biodiversity inventory and documentation: Proceedings of the 10th Workshop on Atlantic Mediterranean Sponge Taxonomy, Brussels, April 25-30, 1995. Bulletin van het Koninklijk Belgisch*

***Mycale micracanthoxea* nov. spec. (Porifera, Poecilosclerida) from the Netherlands**[Report an error in this record](#)

## Full citation:

Buizer, D.A.G.; Van Soest, R.W.M. (1977). *Mycale micracanthoxea* nov. spec. (Porifera, Poecilosclerida) from the Netherlands. *Neth. J. Sea Res.* 11(3-4): 297-304

## Details:

Reference no: 14071

Availability: Paper version available in our library ([request form](#))

Habitat: Marine

## Part of:

- Anon. *Neth. J. Sea Res.* 11(3-4), [details](#)

## Authors (2)

- Buizer, D.A.G., [publication list](#)
- Van Soest, R.W.M. [details](#), [publication list](#)

## Abstract:

*Mycale micracanthoxea* nov. spec. Is described from the Oosterschelde area (SW part of The Netherlands). The Dutch specimens were previously identified as *Mycale contareni*, but comparison with live French specimens of this species revealed specific differences. The new species is unique in the genus *Mycale* because of the presence of tiny (7 to 8,5 µm) acanthoxea. The new species is compared with the *Mycale* species known to occur in the eastern North Atlantic, and its distribution is described.

Porifera ta

***Timea h***

AphiaID: 368

Classification:

Stat

Reco  
stat

Ra

Pare

Synonymis  
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Sourc

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Distributi

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# Aphia platform

- Hard & software:
  - MS SQL
  - PHP out/input webinterface
  - MS Access front end
    - manage editors, quality control (e.g. find duplicates)
  - Apache running on Windows server
  - back-up (daily)





# Online Edit interface

## WoRMS Editors' log in

For those taxa where you have editor's rights, hyperlinks will be shown to allow you to go in edit/add mode

E-mail

Password

Note: You will need to have cookies enabled for this website in order to login.  
If you have any problems logging in, please [contact us](#).

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  - [Browse](#)
  - [Match your list](#)
  - [RSS feed last added taxa](#)
- Distribution
  - [Search](#)
  - [Rapid Distribution Entry](#)
  - [Add geounit \(via the gazetteer\)](#)
- Specimens
  - [Search / view / edit / add](#)
- Sources / Literature
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  - [Add](#)

### Your account

- [Modify](#)
- [Logout](#)

## Aphia add a taxon

**APHIA id\*** (Autonumber)  
**Taxon name\***   
**Authority**   
**Rank\*** Species   
**Parent\*** Acasta   
**Status\*** accepted   
**Accepted name**  (leave empty if valid) [pick]  
**Unacceptreason**   
**Type taxon**  [pick]  
**Type designation**   
**Environment** Marine Fresh Brackish Terrestrial  
     
**Fossil range**

\* Mandatory field

Cancel Add



## Aphia edit taxon details

**APHIA id\*** 311529  
**Taxon name\*** blumenalia  
**Authority** Shen, 1967  
**Rank\*** Species  
**Parent\*** Chascanopsetta [pick]  
**Status\*** unaccepted  
**Accepted name** Chascanopsetta lugubris (leave empty if valid) [pick]  
**Unacceptreason**  
**Type taxon**  
**Type designation**  
**Environment** Marine Fresh Brackish Terrestrial  
 Yes (unknown) (unknown) (unknown)  
**Fossil range** (unknown)

\* Mandatory field

Cancel

Update

Minor edit



## Aphia add source

ID\* (Autonumber)

Name\*

Type\*

Publication ▼

Note

Link

IMIS-ID

[lookup]

Full text

Browse...

(valid extensions: PDF RTF TXT DOC JPG, max file size 50MB)

Abstract

Geographical  
term

[+]

Bibliographical  
term

[+]

Taxonomic  
term

[+]

Add



### Aphia link a source to a taxon

Name\*  [Pick]

remember

Use\*

Pagenr.

Cancel

Link source



### Aphia pick list: source

Type first letters of the source. You can use [wildcards](#)

bailly >

- Bailly, J.P., H. Girardi & P. Moulet, 1987. A propos de la présence de la méduse d'eau douce
- Bailly, J.P., H. Girardi & P. Moulet, 1987. Craspedacusta sowerbyi Lank. (Coelentéré, Hydrozoaire)
- Bailly, J.P., H. Girardi & P. Moulet, 1987. Craspedacusta sowerbyi Lank., 1880 (Hydrozoaire)
- Bailly, N.; Hureau, J.-C.; Pruvost, P. (1999). Catalogue critique des types de poissons du Maroc
- Bailly, Nicolas
- Bailly, W.H., 1865. Notes on marine Invertebrata, collected on Portmarnock strand. Proc. nat. hist. Soc. Lond.

Cancel Pick

### Aphia link a source to a taxon

Name\* bailly

[Pick]

remember

Use\* additional source

Pagenr.

Cancel Link source

### Aphia add a vernacular

Name\*

Language\* English

Note

Source *Add existing source:*

[Pick]

Cancel

Add





### Aphia add distribution record

Geounit\*  [new geounit]

Valid  Certain

Source *Add existing source:*  
 [Pick]

Unaccept reason

Unaccept source *Add existing source:*  
 [Pick]

Type  Map  Endemic  Exotic  Specimen

Note

Latitude   DMS

Longitude   DMS

Depth Shallow  m Deep  m

Abundance Min  Max

Begindate    (yyyy-mm-dd)

Enddate    (yyyy-mm-dd)

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  - [Search / view / edit](#)
  - [Browse](#)
  - [Add](#)
  
- Placetype
  - [Add](#)
  
- Sources / Literature
  - [Add](#)

## Your account

- [Modify](#)

[\[Logout\]](#)



- [Home](#) ▶
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- [Log in](#) ▶
- [About](#) ▶
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**Add a Gazetteer Item**

You are logged in as:  
**Ward Appeltans**  
[\[Logout\]](#) [\[My VLIMAR\]](#)

**Gazetteer ID** (Automatically generated)

**Preferred Appellation\***

**Appellation Source\***  ▼

**Placetype\***  ▼

**Language\***  ▼

**Parent Locality\***  [\[help\]](#)

**Latitude**  [decimal degrees]

**Longitude**  [decimal degrees]

**Minimum Latitude**  [decimal degrees]

**Minimum Longitude**  [decimal degrees]

**Maximum Latitude**  [decimal degrees]

**Maximum Longitude**  [decimal degrees]

**Map to use:**  ▼



## Aphia add specimen record

Code/Type no.

Museum

Preservation

Label Text

Specimen count

Note

Identification *Chascanopsetta blumenalia* Shen, 1967

Type

Identification source *Add existing source:*  
   [Pick]

Collector

Locality

Locality details

Latitude Start   DMS End   DMS

Longitude Start   DMS End   DMS

Precision  m

Depth Shallow  m Deep  m

Begindate       (yyyy-mm-dd)

Enddate       (yyyy-mm-dd)

Cancel

Add



## Aphia add specimen record

Code/Type no.

Museum

Preservation

[+]

Label Text

Specimen count

Note

Identification *Chascanopsetta*

Type

Identification source *Add existing source*

Collector

Locality

Locality details

Latitude Start   DMS End   DMS

Longitude Start   DMS End   DMS

Precision  m

Depth Shallow  m Deep  m

Begindate    (yyyy-mm-dd)

Enddate    (yyyy-mm-dd)

## Aphia add identification

Type

Taxon

Valid  Certain

Source *Add existing source:*

[Pick]

Reliability

Note

Cancel Add

Cancel Add



### Aphia add feedingtype

Feedingtype\*

Stage

Host

Source *Add existing source:*

Note

### Aphia add image

Title

Title (NL)

Description

Description (NL)

Author

Email

Taxon

Filename\*

Only JPG, GIF and PNG allowed. Maximum file size: 50 MB

Note



### Aphia add a link

Url

Link  Upload PDF

Text

Note



## Aphia edit contexts

- Algaebase**
- Amphipoda** (World Amphipoda list from Jim Lowry (2007))
- Ascidacea** (World list of Ascidacea from Karen Sanamyan (2007).)
- BlackSea** (Black Sea checklist for Ocean-Ukraine & Sibema)
- Brachiopoda** (Brachiopoda World List from Christian Emig (2006).)
- Copepoda** (Copepoda World List from Chad Walter (2008).)
- Crinoidea** (World List of the Crinoids from Charles Messing (2007).)
- Cumacea** (World check list of Cumacea from Les Watling)
- Echinobase**
- Echiura** (Echiura list from Vantsetti Murina (2008).)
- ERMS** (European Register of Marine Species)
- Euphausiacea** (Euphausiacea World list)
- Fauna Italiana**
- HABs** (Harmful Algal Blooms)
- Holothuroidea**
- Hydrozoa** (World List of Hydrozoa from F. Boero)
- Isopoda** (World list of Isopods from Marilyn Schotte (2007).)
- Kenya** (Kenyan Register of Marine Species)
- Macrobel** (Taxa used on the Macrobel website)
- Mangroves** (Mangroves World List from Farid Dahdouh-Guebas (2006).)
- MarBEF** (Data from MarBEF Publication Series papers)
- MARECO** (MarBEF MarECO taxa)
- MASDEA** (MARine Species Database for Eastern Africa)
- MASR** (Marine Arctic Species Register)
- Mauritius** (Mauritius Register of Marine Species)
- Mysida** (Mysida info on European continental shelf and on Western Indian Ocean.)
- Nematoda** (Information on free-living marine and brackish-water nematodes)
- Nemertina** (Global Nemertina Species list)
- NeMys** (Marine part of NeMys)
- Non-indigenous species**
- Non-indigenous species BCP**
- NSBP** (North Sea Benthos Project)
- NSBS** (Northsea Benthos Survey)
- NWARMS** (North-West Atlantic Register of Marine Species)
- Ophiuroidea** (The World Ophiuroidea Database from Sabine Stöhr (2007).)
- Ostracoda** (World checklist of Halocyprida from Martin Angel)
- Phoronida** (Phoronida World Database from Christian Emig (2006).)
- Pisces** (World Database of Marine Pisces from Nicolas Bailly (2007).)
- Platyhelminthes** (Global Proseriata and Kalyptorhyncha DB from Ernest Schockaert (2005))
- Polychaeta** (World Register of Polychaeta from Kristian Fauchald (2007).)
- Porifera** (World Porifera list from Rob Van Soest)
- Pycnogonida** (Pycnogonida World List from Roger Bamber (2007).)
- RAMS** (Register of Antarctic Marine Species)
- Rotifera** (World Rotifera Database)
- tisbe** (Taxonomic Information System for the Belgian coastal area)
- URMO** (UNESCO-IOC Register of Marine Organisms)

Cancel



Update

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- Literature
- Checklist
- Specimens
- Match taxa
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-  RSS
-  Add provider

## Aphia taxon details

You are logged in as:  
**Ward Appeltans**  
[Logout] [My Aphia]

Editable: Yes

***Plagioselmis nannoplanctica* (H. Skuja) G. Novarino, I.A.N. Lucas & S. Morrall, 1994** [Edit taxon] [Add child taxon] [Delete taxon]

AphiaID: 370563

Classification: Biota > Chromista (Kingdom) > Cryptista (Subkingdom) > Cryptophyta (Phylum) > Cryptophyceae (Class) > Cryptomonadales (Order) > Cryptomonadaceae (Family) > Plagioselmis (Genus)

**Status** accepted

**Record status** Checked by Taxonomic Editor

**Rank** Species

**Parent** *Plagioselmis* Butcher, 1967

**Synonymised taxa** *Rhodomonas lacustris* var. *nannoplanctica* (Skuja) Javornicky, 1976

**Source** **basis of record:** Algaebase, available online at <http://www.algaebase.org> [edit] [delete]

[link source] [add new source]

**Vernacular Names** [add vernacular]

**Distribution** [add distribution]

**Specimen** [add specimen]

**Feedingtype** [add feedingtype]

**Link** [add link]

**Note** [add note]

**Images** [add image]

**Context** **Algaebase**

[edit contexts]

Edit history	Date	action	by
	2008-11-26 14:23:55 GMT	created	Guiry M.D.

[Taxonomic tree] [Distribution map]



Classification: Biota > Chromista (Kingdom) > Cryptista (Subkingdom) > Cryptophyceae (Class) > Cryptophyceae (Order) > Cryptomonadales (Order) > Cryptomonadaceae (Family) > Plagioselmis (Genus)

**Status** accepted

**Record status** Checked by Taxonomic Editor

**Rank** Species

**Parent** *Plagioselmis* Butcher, 1967

**Synonymised taxa** *Rhodomonas lacustris* var. *nannoplana*

**Vernacular Names** [\[add vernacular\]](#)

**Distribution** [\[add distribution\]](#)

**Specimen** [\[add specimen\]](#)

**Feedingtype** [\[add feedingtype\]](#)

**Link** [\[add link\]](#)

**Note** [\[add note\]](#)

**Images** [\[add image\]](#)

**Context** **Algaebase**  
[\[edit contexts\]](#)

**Edit history**

Date	action	by
2008-11-26 14:23:55 GMT	created	Guiry M.D.


[\[Taxonomic tree\]](#) [\[Distribution map\]](#)


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**& S. Morrall, 1994** [\[Edit taxon\]](#) [\[Add child taxon\]](#) [\[Delete taxon\]](#)

[\[Home\]](#) > [\[Cryptomonadales \(Order\)\]](#) > [\[Cryptomonadaceae \(Family\)\]](#) > [\[Plagioselmis \(Genus\)\]](#)

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# WoRMS

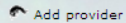
World Register of Marine Species

Classification: Biota > Chromista (Kingdom) > Cryptista (Subkingdom) > Cryptophyceae (Class) > Cryptophyceae (Order) > Cryptomonadales (Order) > Cryptomonadaceae (Family) > Plagioselmis (Genus)

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Vernacular Names [\[add vernacular\]](#)

Distribution [\[add distribution\]](#)

**Status** accepted

**Record status** Checked by Taxonomic Editor

**Rank** Species

**Parent** *Plagioselmis* Butcher, 1967

**Synonymised taxa** *Rhodomonas lacustris* var. *nannoplantica*

You are logged in as:  
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**& S. Morrall, 1994** [\[Edit taxon\]](#) [\[Add child taxon\]](#) [\[Delete taxon\]](#)

[\[Taxonomic tree\]](#) > Cryptomonadales (Order) > Cryptomonadaceae (Family) > Plagioselmis (Genus)



**Source** basis of record: Algaebase, available online at <http://www.algaebase.org>

**Edit history**

Date	action	by
2008-11-26 14:23:55 GMT	created	Guiry M.D.

[\[Taxonomic tree\]](#) [\[Distribution map\]](#) [\[Google\]](#) [\[Google scholar\]](#) [\[Google images\]](#)

**Citation:** Guiry, M.D.. (2008). *Plagioselmis nannoplantica* (H. Skuja) G. Novarino, I.A.N. Lucas & S. Morrall, 1994. In: Guiry, M.D. & Guiry, G.M. (2008). AlgaeBase. World-wide electronic publication, National University of Ireland, Galway.. Accessed through the World Register of Marine Species at <http://www.marinespecies.org/aphia.php?p=taxdetails&id=370563> on 2008-12-04.

# Citations

## When verified by expert/contributed by GSD

- Editors (Year). Taxon + Authority. *In*: GSD title. Accessed through the World Register of Marine Species at URL on [date].

**[author(s)] [Year]. [chapter] *in* [Book]. [Publisher]. [Page]**



**Context**    **Copepoda** (World Copepoda database)

[\[edit contexts\]](#)

**Edit  
history**

Date	action	by
2008-07-15 11:49:29 GMT	created	Walter T. Chad
2008-09-02 11:19:38 GMT	changed	Boxshall Geoff

[\[Taxonomic tree\]](#)

Citation: Boxshall, Geoff; Walter, T. Chad. (2008). *Megasanoixus* Hesse, 1871. In: Walter, T.C., Boxshall, G. (Eds) (2008). World Copepoda database. Accessed through the World Copepoda database at <http://www.marinespecies.org/copepoda/aphia.php?p=taxdetails&id=347468> on 2008-12-04.



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### Aphia Downloads

This page provides access to a full offline copy of Aphia, or any other available context. The format is Microsoft Access 2000 (MDB, zipped). This page is updated once a month.

If you have any questions, please contact [info@marinespecies.org](mailto:info@marinespecies.org)

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## 1. All the taxonomic and related information

- WoRMS ID
- Taxon name linked to parent taxon
- Sources
- Environment flags
- Notes
- Vernacular names
- Distribution records
- Collection context

## 2. Taxon tree to browse the taxonomic hierarchy

E.g. export excel sheet of all taxa of Isopoda belonging to the ERMS context

# website

## Find information on

- a taxon (any rank)
- taxa described by a particular author
- taxa described in a particular year
- a taxon by ID (WoRMS ID/TSN ID)
- a taxon by common name
- a reference, and list species
- a geographic location, and list species
- a picture of a species
- a specimen
  
- Select extra criteria: only valid names (on/off), only marine names (on/off)



# website

- **Extra search criteria for Taxonomic editors:**
  - Limit to non-checked (not expert validated) names
  - Limit to Marine/Brackish/Fresh/Terrestrial environment (Yes/No/Unknown)
  - Limit to a specific collection and/or exclude a specific collection
  - List latest additions/edits by a person after a certain date



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## Search WoRMS

### Common name

contains

e.g. fish, whale

### Scientific name

begins with

e.g. Delphinus delphis

[\[Advanced search\]](#)

## Statistics

237,275 taxa  
188,613 species; 128,873 valid species; 114,922 (61%) checked species  
7,802 pictures

In the light of the 300th birthday of Linnaeus, we reached our target of 100,000 valid species names by the end of 2007. The final goal is to capture all of the estimated 230,000 marine species by 2010, in synchrony with the completion of the Census of Marine Life programme, still 101,127 to go.

## About WoRMS


With WoRMS we aim to provide an authoritative list of names of all marine species globally, ever published.

WoRMS is a contribution to Species2000 and the Catalogue of Life, and will serve as the taxonomic backbone of OBIS.

WoRMS has been accepted as one of the four GBIF campaigns.  
[Read more...](#)



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## News



### 1st Marine Taxonomy Workshop report

*Added on: 2008-10-07 15:25:00 by Ward Appeltans*

Over 55 scientists from 17 countries met at the Flanders Marine Institute and planned the completion of a World Register of Marine Species by 2010, at a MarBEF workshop. ... [\[Read more\]](#)



### Discovery of a new fish species on BBC

*Added on: 2008-08-18 12:15:00 by Ward Appeltans*

In a new BBC series, Kate Humble sets sail on a 2,000-mile adventure across the Pacific with a team of top natural history filmmakers and deep-water marine biologists. ... [\[Read more\]](#)



World Register of Marine Species

### Official logo for WoRMS

*Added on: 2008-08-04 12:02:00 by Ward Appeltans*

Out of 10 submissions, this logo won the competition during a plenary vote at the Marine Taxonomy Workshop in Ostend. We'd like to thank everyone for their contributions and special thanks and congratulations go to Arnaud Brecht from Paris. [\[Read more\]](#)

### WoRMS now public reality after world-wide media coverage

*Added on: 2008-07-24 15:48:00 by Ward Appeltans*

Flanders marine institute



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## WoRMS Taxon search

Enter the name of the taxon you want to look up. Genus and subgenus names should be included for species. Valid wildcards are '%' and '\_' ('%' for a single character; click [here](#) for details and examples). If you're not sure of the genus and/or subgenus of a species, replace them with a '%', for

Search:



*e.g. Chromadora kreisi, Siriella, ... ; leave blank for a complete list of taxa*

- Fuzzy matching ([what's this?](#))
- Limit to accepted taxa
- Limit to marine taxa

Taxon rank:

Limit to taxa belonging to:

*e.g. Mysidae. Only taxa with rank above genus will be returned.*

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## WoRMS Taxon list

196 matching records, showing records 1-100. Click on one of the taxon names listed below to check the details. [[new search](#)]

[Actinopyga agassizi](#) (Selenka, 1867)  
[Actinopyga albonigra](#) Cherbonnier & Féral, 1984  
[Actinopyga bacilla](#) Cherbonnier, 1988  
[Actinopyga bannwarthi](#) Panning, 1944  
[Actinopyga caerulea](#) Samyn, VandenSpiegel & Massin, 2006  
[Actinopyga caroliniana](#) Tan Tiu, 1981  
[Actinopyga crassa](#) Panning, 1944  
[Actinopyga echinites](#) (Jaeger, 1833)  
[Actinopyga flammea](#) Cherbonnier, 1979  
[Actinopyga fusca](#) Cherbonnier, 1980  
[Actinopyga lecanora](#) (Jaeger, 1833)  
[Actinopyga mauritiana](#) (Quoy & Gaimard, 1833)  
[Actinopyga miliaris](#) (Quoy & Gaimard, 1833)  
[Actinopyga obesa](#) (Selenka, 1867)  
[Actinopyga palauensis](#) Panning, 1944  
[Actinopyga serratidens](#) Pearson, 1903  
[Actinopyga spinea](#) Cherbonnier, 1980  
[Bohadschia argus](#) (Jaeger, 1833)  
[Bohadschia atra](#) Massin, Rasolofonirina, Conand & Samyn, 1999  
[Bohadschia cousteaui](#) Cherbonnier, 1954  
[Bohadschia koellikeri](#) (Semper, 1868)  
[Bohadschia maculisparsa](#) Cherbonnier & Féral, 1985  
[Bohadschia marmorata](#) (Jaeger, 1833)  
[Bohadschia mitsioensis](#) Cherbonnier, 1988  
[Bohadschia paradoxa](#) (Selenka, 1867)  
[Bohadschia similis](#) (Semper, 1868)  
[Bohadschia steinitzi](#) Cherbonnier, 1963  
[Bohadschia subrubra](#) (Quoy & Gaimard, 1833)  
[Bohadschia tenuissima](#) (Semper, 1868)  
[Bohadschia vitiensis](#) (Semper, 1868)  
[Holothuria \(Acanthotrapeza\) coluber](#) Semper, 1868  
[Holothuria \(Acanthotrapeza\) kubaryi](#) Ludwig, 1875  
[Holothuria \(Acanthotrapeza\) pyxis](#) Selenka, 1867  
[Holothuria \(Acanthotrapeza\) tripilata](#) Massin, 1987  
[Holothuria \(Cystipus\) cubana](#) Ludwig, 1875  
[Holothuria \(Cystipus\) dura](#) Cherbonnier & Féral, 1981  
[Holothuria \(Cystipus\) inhabilis](#) Selenka, 1867



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## WoRMS Taxon search

Enter the name of the taxon you want to look up. Genus and subgenus names should be included for species. Valid wildcards are '%' and '\_' ('\_' a single character; click [here](#) for details and examples). If you're not sure of the genus and/or subgenus of a species, replace them with a '%',

Search: Authority  contains  2004

*e.g. Chromadora kreisi, Siriella, ... ; leave blank for a complete list of taxa*

Fuzzy matching ([what's this?](#))

Limit to accepted taxa

Limit to marine taxa

Taxon rank: is  Species

Limit to taxa belonging to:

*e.g. Mysidae. Only taxa with rank above genus will be returned.*

Search



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## WoRMS Taxon list


3 matching records. Click on one of the taxon names listed below to check the details. [[new search](#)]

[Labidodemas pseudosemperianum](#) Massin, Samyn & Thandar, 2004

[Labidodemas quadripartitum](#) Massin, Samyn & Thandar, 2004

[Labidodemas spineum](#) Massin, Samyn & Thandar, 2004

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## WoRMS Checklist

Search distribution records for:

Geographical area\*:

Include subarea's

Taxon rank:

Limit to  
taxa belonging to:

*e.g. Mysidae. Only taxa with rank above genus will be returned.*

\* = mandatory

Include distribution records that are

- Certainly valid
- Also probably valid
- Also probably false
- All records

Synonyms:

- Sort on synonyms, list valid names
- Sort on valid names, list synonyms
- Only valid names



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## WoRMS Checklist

6 matching records. Click on one of the taxon names listed below to check details for that taxon.  
[\[new search\]](#)

[Aslia lefevrei](#) (Barrois, 1882): valid


[Cucumaria frondosa](#) (Gunnerus, 1767): valid

[Neopentadactyla mixta](#) (Östergren, 1898) [Deichmann, 1944](#): valid

[Ocnus brunneus](#) Forbes & Goodsir, in Forbes, 1841: valid

[Ocnus lacteus](#) (Forbes & Goodsir, 1839): valid

[Ocnus plani](#) (Brandt, 1835): valid

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## WoRMS Specimens search

Enter the code of the specimen you want to look up.

Valid wildcards are '%' and '\_' ('%' replaces zero or more characters, '\_' replaces a single character; click [here](#) for details and examples).

Specimen code:

*e.g. 789, Py, ... ; leave blank for a complete list of specimens*

Specimen type:

Museum:

Taxon rank:

Limit to taxa belonging to:

*e.g. Mysidae. Only specimens identified with rank above genus will be returned.*



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## WoRMS Specimens list

2 specimens found. Click on one of the specimens listed below to view the details for that specimen. [[new search](#)]

**Holotype:** CMS, locality Sri Lanka, identified as *Actinopyga serratidens* Pearson, 1903

**Holotype:** MRAC 1803, locality Comores, identified as *Actinopyga caerulea* Samyn, VandenSpiegel & Massin, 2006

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WoRMS Photogallery > Porifera (sponges) > Demospongiae

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*Axinella infundibuliformis* (Linnaeus, 1759)



*Sphaerotylus antarcticus* 1



*Sphaerotylus antarcticus* 2



*Mycale acerata* 3



*Mycale acerata* 2



*Mycale acerata* 1



*Dendrilla antarctica*



*Aplysina aerophoba*



*Stelligera stuposa* (Ellis & Solander, 1786)



*Suberites carnosus* (Johnston, 1842)



*Polymastia boletiformis* (Lamarck, 1815)



*Dysidea fragilis* (Montagu, 1818)



*Hexadella racovitzae* Topsent, 1896



*Haliciona viscosa* (Topsent, 1888)



*Clathria barleei* (Bowerbank, 1866)



*Myxilla incrustans* (Johnston, 1842)



*Phorbastictus* (Bowerbank, 1866)



*Hemimycala columella* (Bowerbank, 1874)



*Esperopsis fucorum* (Esper, 1794)



*Phakellia ventilabrum* (Linnaeus, 1767)

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## Aphia taxon details

Editable: Yes

***Petrosia (Petrosia) ficiformis (Poiret, 1789)*** [\[Edit taxon\]](#) [\[Add child taxon\]](#) [\[Delete taxon\]](#)

AphiaID: 166837

Classification: Biota > Animalia (Kingdom) > Porifera (Phylum) > Demospongiae (Class) > Haplosclerida (Order) > Petrosina (Suborder) > Petrosiidae (Family) > Petrosia (Genus) > Petrosia (Petrosia) (Subgenus)

**Status** accepted

**Record status** Checked by Taxonomic Editor

**Rank** Species

**Parent** *Petrosia (Petrosia) Vosmaer, 1885*

**Synonymised taxa**  
*Alcyonium distortum* Lamarck, 1815  
*Petrosia dura* (Schmidt, 1862)  
*Petrosia ficiformis* (Poiret, 1789)  
*Rayneria dura* Nardo, 1834  
*Reniera dura* Schmidt, 1862  
*Schmidtia dura* (Schmidt, 1862)  
*Spongia ficiformis* Poiret, 1798

**Sources**  
**original description:** Poiret, J.L.M. 1789a. Voyage en Pays. Deuxième Partie. 1. (Paris): 1-315. [\[edit\]](#) [\[delete\]](#)  
**basis of record:** Desqueyroux-Faúndez, R.; Valentine guide to the classification of sponges. 1 (Kluwer Academic Publishers, 2000). [\[link source\]](#) [\[add new source\]](#)

**Vernacular Names** [\[add vernacular\]](#)

**Environment** marine, brackish, fresh, terrestrial

**Fossil range** recent only


**Distribution** Cape Vert Islands [\[details\]](#) [\[edit\]](#) [\[delete\]](#)  
Mediterranean Sea [\[details\]](#) [\[edit\]](#) [\[delete\]](#)  
North Atlantic [\[details\]](#) [\[edit\]](#) [\[delete\]](#)  
West Africa [\[details\]](#) [\[edit\]](#) [\[delete\]](#)  
West Mediterranean [\[details\]](#) [\[edit\]](#) [\[delete\]](#)  
[\[add distribution\]](#)

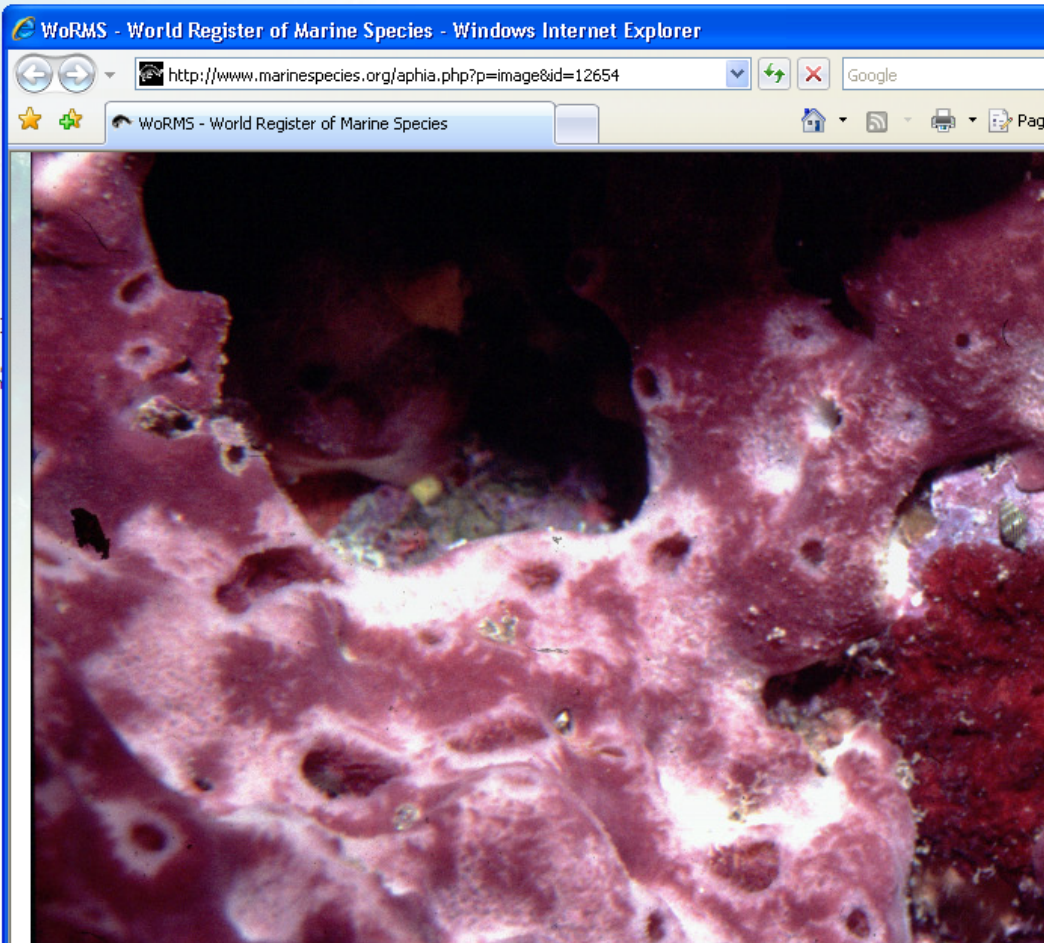
**Specimen** [\[add specimen\]](#)

**Feedingtype** [\[add feedingtype\]](#)

**Link** [\[add link\]](#)

**Note** [\[add note\]](#)

**Image**  [\[delete\]](#) [\[edit\]](#)





Checklist
Specimens
Match taxa
Editors
Statistics
Webservice
Photogallery
Log out

Classification: Biota > Animalia (Kingdom) > Porifera (Phylum) > Demospongiae (Class) > Haplosclerida (Order) > Petrosina (Suborder) > Petrosiidae (Family) > Petrosia (Genus) > Petrosia (Petrosia) (Subgenus)

<b>Status</b>	accepted
<b>Record status</b>	Checked by Taxonomic Editor
<b>Rank</b>	Species
<b>Parent</b>	<i>Petrosia (Petrosia)</i> Vosmaer, 1885
<b>Synonymised taxa</b>	<i>Alcyonium distortum</i> Lamarck, 1815 <i>Petrosia dura</i> (Schmidt, 1862) <i>Petrosia ficiformis</i> (Poiret, 1789) <i>Rayneria dura</i> Nardo, 1834 <i>Reniera dura</i> Schmidt, 1862 <i>Schmidtia dura</i> (Schmidt, 1862) <i>Spongia ficiformis</i> Poiret, 1798

- RSS
- Add provider

**Sources**  
**original description:** Poiret, J.L.M. 1789a. Voyage en Barbarie, ou Lettres Ecrites de l'Ancienne Numidie pendant les Années 1785 et 1786, avec un Essai sur l'Histoire naturelle de ce Pays. Deuxième Partie. 1. (Paris): 1-315. [\[edit\]](#) [\[delete\]](#)

**basis of record:** Desqueyroux-Faúndez, R.; Valentine, C. 2002. Family Petrosiidae Van Soest, 1980. Pp. 906-917. In Hooper, J. N. A. & Van Soest, R. W. M. (ed.) Systema Porifera. A guide to the classification of sponges. 1 (Kluwer Academic/ Plenum Publishers: New York, Boston, Dordrecht, London, Moscow). [\[edit\]](#) [\[delete\]](#)

[\[link source\]](#) [\[add new source\]](#)

**Vernacular Names**  
[\[add vernacular\]](#)

**Environment** marine, brackish, fresh, terrestrial

**Fossil range** recent only

**Distribution**  
 Cape Vert Islands [\[details\]](#) [\[edit\]](#) [\[delete\]](#)  
 Mediterranean Sea [\[details\]](#) [\[edit\]](#) [\[delete\]](#)  
 North Atlantic [\[details\]](#) [\[edit\]](#) [\[delete\]](#)  
 West Africa [\[details\]](#) [\[edit\]](#) [\[delete\]](#)  
 West Mediterranean [\[details\]](#) [\[edit\]](#) [\[delete\]](#)

[\[add distribution\]](#)

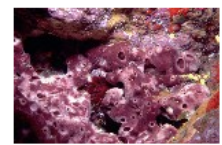
**Specimen** [\[add specimen\]](#)

**Feedingtype** [\[add feedingtype\]](#)

**Link** [\[add link\]](#)

**Note** [\[add note\]](#)

**Image** [\[delete\]](#)  
[\[edit\]](#)



**Petrosia (Petrosia) ficiformis**  
*Description:* Mediteranean. From the book of Wirtz & Debelius, 2003 added on 2008-02-04 - author: Peter Wirtz ([peter.wirtz@clix.pt](mailto:peter.wirtz@clix.pt))

[\[add image\]](#)

**Context**  
**ERMS** (European Register of Marine Species)  
**MASDEA** (MArine Species Database for Eastern Africa)  
**Porifera** (World Porifera list from Rob Van Soest)  
**tisbe** (Taxonomic Information System for the Belgian coastal area)

[\[edit contexts\]](#)

Edit history	Date	action	by
	2005-07-10 18:05:41 GMT	created	db_admin
	2008-02-02 13:03:02 GMT	changed	van Soest Rob

[\[Taxonomic tree\]](#) [\[Distribution map\]](#)





- Checklist
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- Log out

Classification: Biota > Animalia (Kingdom) > Porifera (Phylum) > Demospongiae (Class) > Haplosclerida (Order) > Petrosina (Suborder) > Petrosiidae (Family) > Petrosia (Genus) > Petrosia (Petrosia) (Subgenus)

**Status** accepted

**Record status** Checked by Taxonomic Editor

**Rank** Species

**Parent** *Petrosia (Petrosia)* Vosmaer, 1885

**Synonymised taxa**  
*Alcyonium distortum* Lamarck, 1815  
*Petrosia dura* (Schmidt, 1862)  
*Petrosia ficiformis* (Poiret, 1789)  
*Rayneria dura* Nardo, 1834  
*Reniera dura* Schmidt, 1862  
*Schmidtia dura* (Schmidt, 1862)  
*Spongia ficiformis* Poiret, 1798

- RSS
- Add provider

- Sources
- basis of record
- Vernacular Names
- Environment
- Fossil range
- Distribution
- Specimen
- Feedingtype
- Link
- Note
- Image
- Context
- Edit history

### Aphia distribution details

**original description** Pays. Deuxième

**basis of record** guide to the classification of the Cape Verde Islands

**Vernacular Names** [add vernacular name]

**Environment** marine, brackish

**Fossil range** recent only

**Distribution** Cape Vert Islands [details] [edit] [delete]  
Mediterranean Sea [details] [edit] [delete]  
North Atlantic [details] [edit] [delete]  
West Africa [details] [edit] [delete]  
West Mediterranean [details] [edit] [delete]

[add distribution]

**Specimen** [add specimen]

**Feedingtype** [add feedingtype]

**Link** [add link]

**Note** [add note]

**Image**  [delete] [edit]

**Context** ERMS (European Register of Marine Species)  
MASDEA (MARine Species Database for Eastern Africa)  
Porifera (World Porifera list from Rob Van Soest)  
tisbe (Taxonomic Information System for the Belgian coastal area)

[edit contexts]

Edit history	Date	action	by
	2005-07-10 18:05:41 GMT	created	db_admin
	2008-02-02 13:03:02 GMT	changed	van Soest Rob

[Taxonomic tree] [Distribution map]

es 1785 et 1786, avec un Essai sur l'Histoire naturelle de ce

er, J. N. A. & Van Soest, R. W. M. (ed.) Systema Porifera. A  
pw). [edit] [delete]

<b>Checklist</b>	Classification: Biota > Animalia (Kingdom) > Porifera (Phylum) > (Subgenus)	
<b>Specimens</b>		
<b>Match taxa</b>	<b>Status</b>	accepted
<b>Editors</b>	<b>Record status</b>	Checked by Taxonomic Editor
<b>Statistics</b>		
<b>Webservice</b>	<b>Rank</b>	Species
<b>Photogallery</b>	<b>Parent</b>	<i>Petrosia</i> ( <i>Petrosia</i> ) Vosmaer, 1885
<b>Log out</b>	<b>Synonymised taxa</b>	<i>Alcyonium distortum</i> Lamarck, 1815 <i>Petrosia dura</i> (Schmidt, 1862) <i>Petrosia ficiformis</i> (Poiret, 1789) <i>Rayneria dura</i> Nardo, 1834 <i>Reniera dura</i> Schmidt, 1862 <i>Schmidtia dura</i> (Schmidt, 1862) <i>Spongia ficiformis</i> Poiret, 1798
RSS		
Add provider		

<b>Sources</b>	<b>original description</b>	<b>Aphia distributi</b>
	Pays. Deuxièm	
	<b>basis of record</b>	<b>Geounit</b> Cape Vert Island
	guide to the cla	<b>Source</b> Van Soest, R.W.I
	[link source] [a	Islands and Trop
<b>Vernacular Names</b>	[add vernacular	<b>Context</b> MASDEA
		[edit contexts]
<b>Environment</b>	marine, brackis	<b>Edit Date</b>
<b>Fossil range</b>	recent only	<b>history</b> 2006-11-17 09:(

<b>Distribution</b>	Cape Vert Islands [details] [edit] [delete] Mediterranean Sea [details] [edit] [delete] North Atlantic [details] [edit] [delete] West Africa [details] [edit] [delete] West Mediterranean [details] [edit] [delete]
	[add distribution]

<b>Specimen</b>	[add specimen]
-----------------	----------------

<b>Feedingtype</b>	[add feedingtype]
--------------------	-------------------

<b>Link</b>	[add link]
-------------	------------

<b>Note</b>	[add note]
-------------	------------

<b>Image</b>	[delete] [edit]
--------------	--------------------



**Petrosia (Petrosia) ficiformis**  
 Description: Mediteranean. From the book of added on 2008-02-04 - author: Peter Wirtz (

[add image]

<b>Context</b>	ERMS (European Register of Marine Species) MASDEA (MARine Species Database for East Porifera (World Porifera list from Rob Van S tisbe (Taxonomic Information System for th
	[edit contexts]

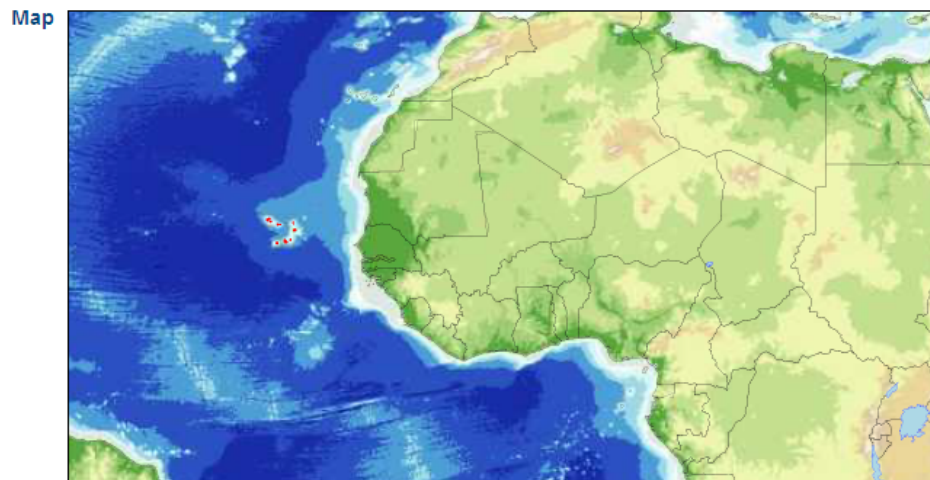
<b>Edit history</b>	<b>Date</b>	<b>action</b>	<b>by</b>
	2005-07-10 18:05:41 GMT	created	db_a
	2008-02-02 13:03:02 GMT	changed	van s

[Taxonomic tree] [Distribution map]

<a href="#">Home</a>	VLIMAR Placedetails
<a href="#">Search VLIMAR</a>	
<a href="#">Browse VLIMAR</a>	
<a href="#">Log in</a>	
<a href="#">About</a>	
<a href="#">Download</a>	
<a href="#">Contact us</a>	

Name	Language	Name	Source
English	Cape Verde	(preferred)	The Times comprehensive atlas of the world. 10th ed. Times Books: London, UK. ISBN 0-7230-0792-6. 67, 220, 124 plates pp., (look up in <a href="#">IMIS</a> )

<b>PlaceType</b>	Nation
<b>Latitude</b>	16° 0' 6.3" N (16.0017°)
<b>Longitude</b>	24° 0' 48" W (-24.0133°)
<b>Precision</b>	195656 meter
<b>Min. Lat</b>	14° 48' 40" N (14.8111°)
<b>Min. Long</b>	25° 21' 38" W (-25.3606°)
<b>Max. Lat</b>	17° 11' 32.5" N (17.1924°)
<b>Max. Long</b>	22° 39' 58" W (-22.6661°)
<b>Source</b>	The Times comprehensive atlas of the world. 10th ed. Times Books: London, UK. ISBN 0-7230-0792-6. 67, 220, 124 plates pp., (look up in <a href="#">IMIS</a> )
<b>Relation</b>	Part of <a href="#">Africa</a> (Continent) <a href="#">View Hierarchy</a>



You need a SVG viewer to work with this map. To install a viewer, follow [this link](#).  
 Use the **right mouse button** to see the SVG menu.  
 To Zoom In press the **Ctrl key** while selecting a region.  
 To Pan press the **Alt key** while dragging the map.

**Edit history** Last edited on 2005-01-01 00:00:00 by db\_admin

# RSS feeds



## WoRMS latest additions

You are viewing a feed that contains frequently updated content. When you subscribe to a feed, it is added to the Common Feed List. Updated information from the feed is automatically downloaded to your computer and can be viewed in Internet Explorer and other programs. [Learn more about feeds.](#)

[Subscribe to this feed](#)

### Protocystis xiphodon Haeckel, 1862

Today, June 18, 2008, 8 hours ago →

The taxon "Protocystis xiphodon Haeckel, 1862" has been added by Bart Vanhoorne via the webinterface on 2008-06-18 12:51:00 GMT.

### Protocystis Wallich, 1862

Today, June 18, 2008, 8 hours ago →

The taxon "Protocystis Wallich, 1862" has been added by Bart Vanhoorne via the webinterface on 2008-06-18 12:51:00 GMT.

### Medusettidae

Today, June 18, 2008, 8 hours ago →

The taxon "Medusettidae" has been added by Bart Vanhoorne via the webinterface on 2008-06-18 12:51:00 GMT.

### Medusetta Haeckel, 1887

Today, June 18, 2008, 8 hours ago →

The taxon "Medusetta Haeckel, 1887" has been added by Bart Vanhoorne via the webinterface on 2008-06-18 12:51:00 GMT.

### Lirellidae

Today, June 18, 2008, 8 hours ago →

The taxon "Lirellidae" has been added by Bart Vanhoorne via the webinterface on 2008-06-18 12:51:00 GMT.

### Gazelletta Haeckel, 1887

Today, June 18, 2008, 8 hours ago →

The taxon "Gazelletta Haeckel, 1887" has been added by Bart Vanhoorne via the webinterface on 2008-06-18 12:51:00 GMT.

### Euphysetta lucani Borgert, 1892

Today, June 18, 2008, 8 hours ago →

The taxon "Euphysetta lucani Borgert, 1892" has been added by Bart Vanhoorne via the webinterface on 2008-06-18 12:51:00 GMT.

### Euphysetta Haeckel, 1887

Today, June 18, 2008, 8 hours ago →

The taxon "Euphysetta Haeckel, 1887" has been added by Bart Vanhoorne via the webinterface on 2008-06-18 12:51:00 GMT.

### Challengeridae

Today, June 18, 2008, 8 hours ago →

The taxon "Challengeridae" has been added by Bart Vanhoorne via the webinterface on 2008-06-18 12:51:00 GMT.

Displaying 9 / 50

All 50

Sort by:

Date

▼ Title

Filter by category:

Animalia	6
Arthropoda	3
Calanoida	1
Chlorophyta	2
Chroococcales	1
Ciliophora	6
Cnidaria	3
Conica	3
Cumacea	1
Cyanophyceae	1
Gracilicutes	1
Harpacticoida	1
Hydroidomedusa	3
Malacostraca	1
Maxillopoda	2
Monera	1
Nassellaria	11
Oligotrichida	6
Phaeodarea	10
● Phaeogromida	9
Polycystinea	24
Polyhymenophora	6
Prasinophyceae	2
Protocista	43
Pyramimonadales	2
Sarcomastigophora	35
Spumellaria	13

# Taxon Match Tool

Validate your species list against WoRMS and get standard WoRMS taxonomy back.

After matching, the tool will return your file with:

- WoRMS IDs, valid names (notifies when your name is an unaccepted synonym), authority and publication date, the hierarchical classification, quality status (expert validated or not). When there are no exact matches the system provides a pick-list of all possible matches.
- For performance reasons, the limit is set to 1,000 rows.
- Already 1,000 files uploaded in 2008



FADA workshop, 5-7 December 2008 in Bruges (Belgium)

# Taxon Match Tool

Flanders marine institute





# Taxon Match Tool

Microsoft Excel - mytaxid\_matched.xls

Gebruik: Bestanden, invoeren, Formaat, Opties, Data, Toelichting, Help, 46kbps 100%

Formaat: 100% | 100%

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	name_id	name													
2	1	Axononum apatense													
3	2	Carya lescuriensis													
4	3	Axononum scottii													
5	4	Protogonopus aculeata													
6	5	Axononum apatense													
7	6	Gesnerium scottii													
8	7	Axononum andersonii													
9	8	Axononum blechni													
10	9	Gesnerium blechni													
11	10	Carya lescurii													
12	11	Axononum celandra													
13	12	Gesnerium celandra													
14	13	Carya lescurii													
15	14	Protogonopus aculeata													
16	15	Axononum Longe													
17	16	Carya lescurii													
18	17	Axononum humii													
19	18	Gesnerium pseudograndis													
20	19	Axononum longum													
21	20	Axononum longum													
22	21	Axononum minimum													
23	22	Peridinium minimum													
24	23	Axononum montanum													
25	24	Gesnerium muchimontis													
26	25	Carya lescurii													
27	26	Peridinium montanum													
28	27	Axononum ostense													
29	28	Gesnerium ostense													
30	29	Carya lescurii													
31	30	Gesnerium ostense													
32	31	Utricularia ostense													
33	32	Axononum scottii													
34	33	Axononum scottii													
35	34	Gesnerium scottii													
36	35	Carya lescurii													
37	36	Carya lescurii													
38	37	Axononum scottii													
39	38	Axononum scottii													
40	39	Protogonopus aculeata													
41	40	Amphidium scottii													
42	41	Amphidium scottii													
43	42	Amphidium scottii													
44	43	Amphidium scottii													
45	44	Amphidium scottii													
46	45	Amphidium scottii													
47	46	Utricularia scottii													

W:\BMS\match /



# Taxon Match Tool

**MarineSpecies.org**  
... classifying all marine species

**WoRMS Taxon match**

Preview for the file 'mytaxdata.xls' (first 20 records) [new match]  
Please match your columns against WoRMS columns and click 'Match'.

name_id	ScientificName	ScientificNameAuthor
1	Alexandrium aculeatum	(Wheldon et Kofoid) Balech, 1985
2	Gonyaulax catenella	Wheldon et Kofoid, 1976
3	Alexandrium aculeatum	(Wheldon et Kofoid) Balech, 1985
4	Protogonyaulax aculeatum	(Wheldon et Kofoid) Taylor, 1979
5	Alexandrium aculeatum	(Wheldon et Kofoid) Balech, 1985
6	Gessnerium aculeatum	(Loeblich III et Loeblich) Taylor, 1979
7	Alexandrium andersonii	Balech, 1980
8	Alexandrium balechii	(Stadler) Balech, 1985
9	Gessnerium balechii	(Steidinger) Loeblich III et Loeblich, 1979
10	Gonyaulax swacha	Steidinger, 1971
11	Alexandrium catenella	(Wheldon et Kofoid) Balech, 1985
12	Gessnerium catenellum	(Loeblich III et Loeblich) Taylor, 1979
13	Gonyaulax catenella	Wheldon et Kofoid, 1976
14	Protogonyaulax catenella	(Wheldon et Kofoid) Taylor, 1979
15	Alexandrium fuscum	Balech, 1985
16	Gonyaulax excavata	(Brauer) Balech 1971 sensu Loeblich III et Loeblich 1975, non B
17	Alexandrium kishinouyei	Kita et Tokiyo, 1907

[options] [preview]

< Back Match

Website and databases developed and hosted by MIZ • Page generated 2008-04-29 • contact: info@marinespecies.org

# Taxon Match Tool

The screenshot displays the MarineSpecies.org website with the WoRMS Taxon Match tool. The main header reads "MarineSpecies.org ... classifying all marine species". The left sidebar contains navigation links: About, Search taxa, Taxon tree, Literature, Checklist, Specimens, Match taxa, Editors, Statistics, and Log in. The "Match taxa" section is active, showing a preview for the file "mytaxdata.xls".

**WoRMS Taxon match**  
Match preview for the file 'mytaxdata.xls' [ [view match](#) ]  
If available, please select what APITa taxon corresponds to your taxon. Then click 'Download'.

Scientific name	APITa match
Alexandrium acatenella	Alexandrium acatenella (Wheldon et Kofoid, 1936) Balech, 1985
Gonyaulax acatenella	Gonyaulax acatenella accepted as Alexandrium acatenella (Wheldon et Kofoid, 1936)
Alexandrium acatenella	Alexandrium acatenella (Wheldon et Kofoid, 1936) Balech, 1985
Protogonyaulax acatenella	(none)
Alexandrium acatenella	Alexandrium acatenella (Wheldon et Kofoid, 1936) Balech, 1985
Gonodoma acatenellum	(none)
Alexandrium andersonii	(none)
Alexandrium balechii	Alexandrium balechii (Steidinger, 1971) Balech, 1985
Gonodoma balechii	(none)
Gonyaulax balechii	Gonyaulax balechii accepted as Alexandrium balechii (Steidinger, 1971) Balech, 1985
Alexandrium catenella	Alexandrium catenella (Wheldon et Kofoid, 1936) Balech, 1985
Gonodoma catenellum	(none)
Gonyaulax catenella	Gonyaulax catenella accepted as Alexandrium catenella (Wheldon et Kofoid, 1936) Balech, 1985
Protogonyaulax catenella	(none)
Alexandrium hindyense	Alexandrium hindyense Balech, 1985
Gonyaulax acosta	Gonyaulax acosta accepted as Alexandrium tamarense (Lebour, 1925) Balech, 1985
Alexandrium hiranoi	Alexandrium hiranoi Kito et Fukuyo, 1988
Gonodoma pseudogonyaulax	Gonodoma pseudogonyaulax accepted as Alexandrium hiranoi Kito et Fukuyo, 1988
Alexandrium inanicum	Alexandrium inanicum accepted as Alexandrium minutum Halim, 1980
Alexandrium ishanicum	Alexandrium ishanicum accepted as Alexandrium minutum Halim, 1980
Alexandrium minutum	Alexandrium minutum Halim, 1980
Pyrodinium minutum	(none)

Buttons:  excel sheet,  text file,  bulk.

Website and databases developed and hosted by WIIZ • Page generated 2007-09-29 • contact: [info@marinespecies.org](mailto:info@marinespecies.org)

Taxon match - STEP 3





# Webservice

As a user or developer you can use this service to feed your own application with standard taxonomy. We currently use the platform-independent SOAP/WSDL standard.

SOAP (Simple Object Access Protocol) is a way for a program running in one kind of operating system (such as Windows 2000) to communicate with a program in the same or another kind of an operating system (such as Linux) by using the World Wide Web's Hypertext Transfer Protocol (HTTP) and its Extensible Markup Language (XML) defined by the Web Service Definition Language (WSDL), as a mechanism for information exchange

A few examples of possible applications:

- get the ID for your taxon
- check the spelling of your taxa
- get the authority for your taxa
- get the full classification for your taxa
- resolve all your invalid names to valid ones
- match your species list
- resolve a common name to a scientific name





# SOAP/WDSL web service

Microsoft Excel - Book1.xls

File Edit View Insert Format Tools Data Window Help

B2      fx =getAphiaID(A2)

	A	B	C	D	E
1					
2	Solea solea	127160			
3					
4					
5					

Call to webservice  
=getAphiaID(A2)

Microsoft Excel - GetAphiaRecordById.xls

File Edit View Insert Format Tools Data Window Help Adobe PDF

D2      fx

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	<b>AphiaID:</b>												
2	127160	getAphiaRecordById											
3													
4	<b>Status</b>	<b>ScientificName</b>	<b>Authority</b>	<b>Rank</b>	<b>valid</b>	<b>AphiaID</b>	<b>Kingdom</b>	<b>Phylum</b>	<b>Class</b>	<b>Order</b>	<b>Family</b>	<b>Genus</b>	
5	accepted	Solea solea	(Linnaeus, 1758)	Species		127160	Animalia	Chordata	Actinopterygii	Pleuronectiformes	Soleidae	Solea	
6													

Call to webservice  
=GetAphiaRecordById(B2)

# Future plans

- Some developments
  - Further develop the online ID key tool
  - Online editing manual (video screen capture).



# WoRMS & FADA?

- Overlap in experts (10 out of 58 experts in FADA also involved in marine registers)
- Overlap in most of the taxon groups (except for some insects, Collembola, Crustacea)
  - Representatives in both marine/fresh/brackish environments
  - Diadromous species (travel between fresh-brackish-marine environments)
- Common classification
- Aphia already hosts freshwater species (in Porifera, Copepoda, Isopoda, Platyhelminthes)

=>Common platform would make sense.



# What services can VLIZ offer to you?



# What services can VLIZ offer to you?

- An infrastructure that works





# What services can VLIZ offer to you?

- An infrastructure that works
- Share the work with others through the online edit interface



# What services can VLIZ offer to you?

- An infrastructure that works
- Share the work with others through the online edit interface
- IT tools and support



# What services can VLIZ offer to you?

- An infrastructure that works
- Share the work with others through the online edit interface
- IT tools and support
- Long-term security

