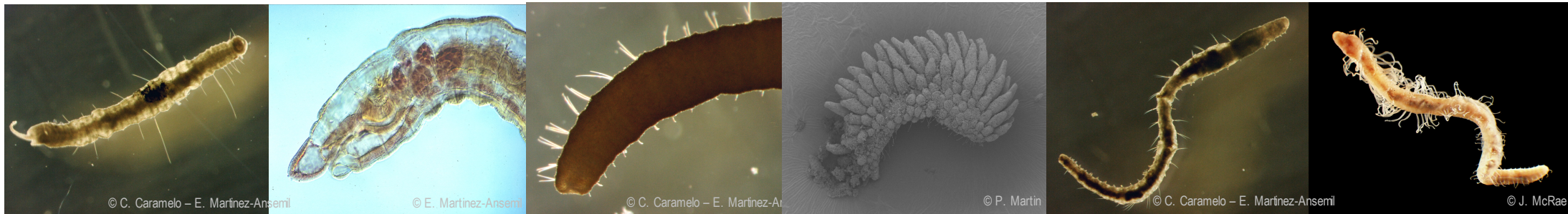


Annelida - Oligochaeta

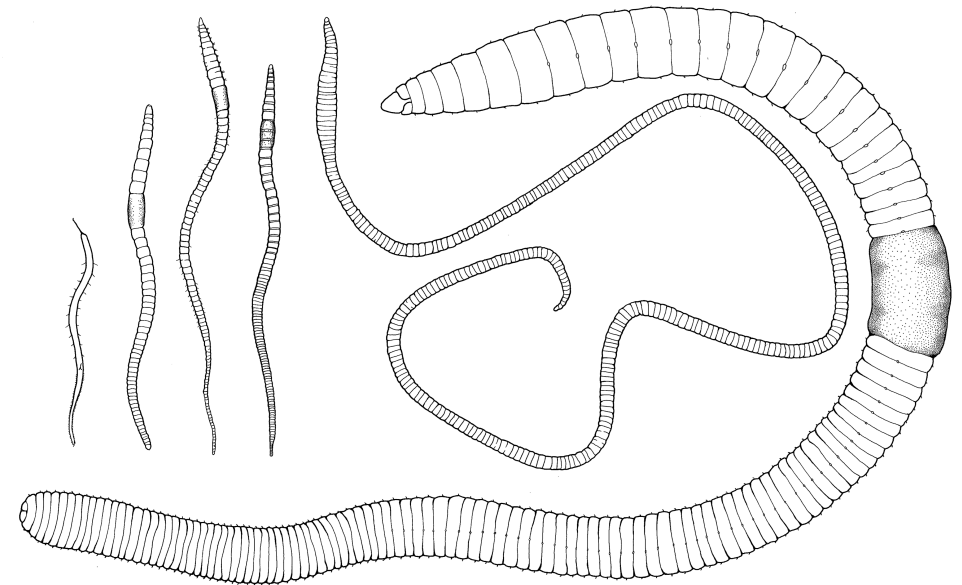
Patrick Martin

Royal Belgian Institute of Natural Sciences (Belgium)



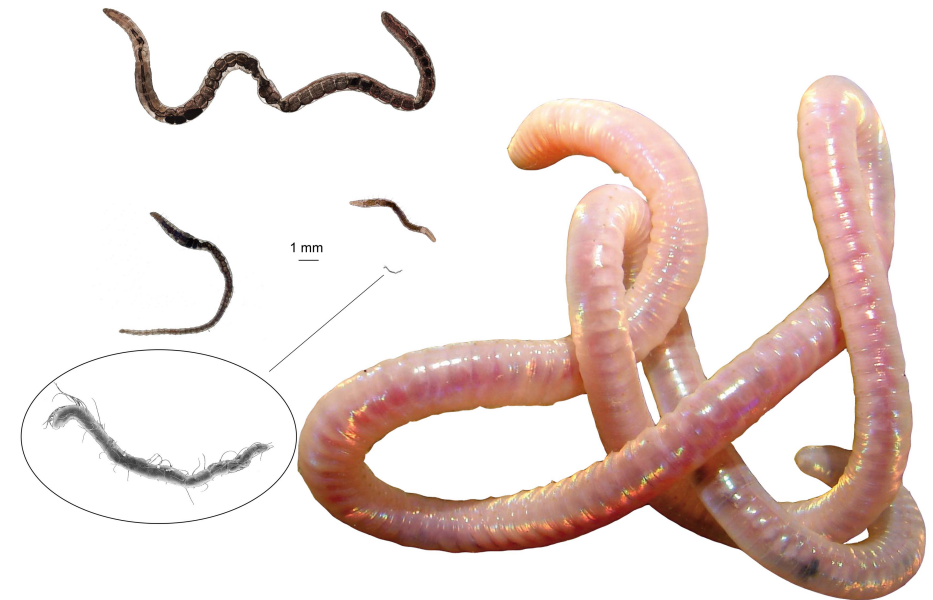
General background

- Definition
 - Segmented worms
 - Bilateral symmetry
 - Setae / Chaetae
 - Clitellum
 - Hermaphrodites
 - Direct development
 - Gonadal segments in small number
- Biology
 - Sediment dwellers
 - Vegetation
 - Predators (*Haplotaxis*)
 - Commensal (*Chaetogaster*)
 - Reproduction
 - sexual
 - asexual (paratomy, architomy)
 - parthenogenesis



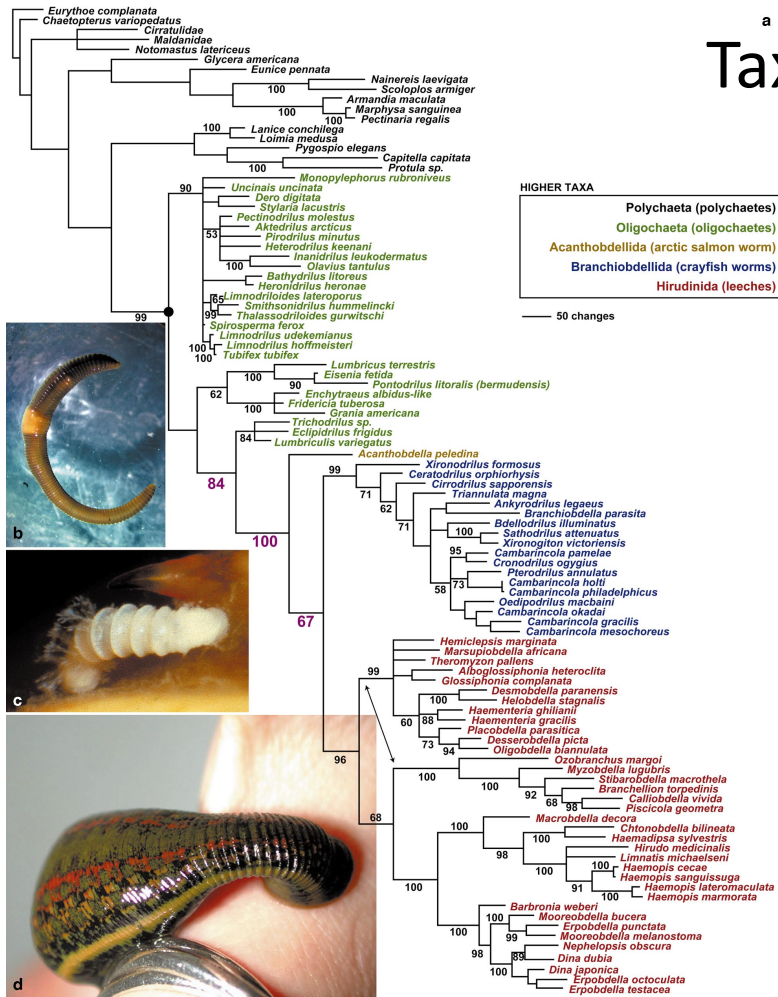
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a

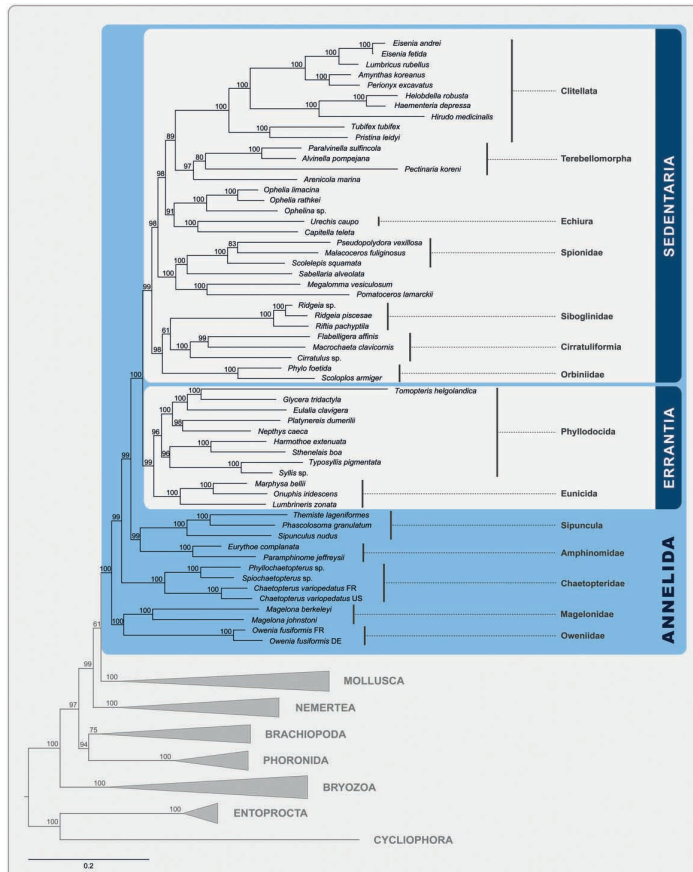
Taxonomic information



- ± 5000 valid described species
- 2/3 terrestrial
 - « megadriles »: Crassiclitellata
 - Terrimegadrili (10 families)
 - Aquamegadrili (4 families)
- 1/3 aquatic
 - “microdriles”: paraphyletic assemblage (13 families)
 - 1700 species
 - 600 marine
 - 1100 freshwater
 - +/- 100 stygobiotic

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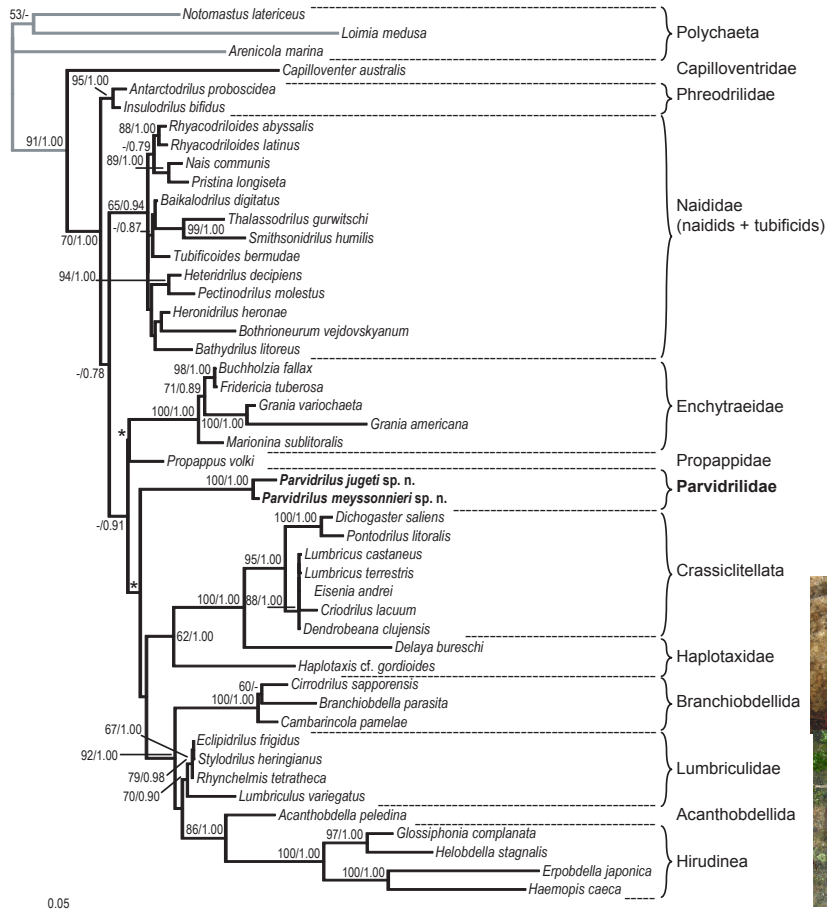


Weigert *et al.*, 2014 Molecular Biology and Evolution 31(6): 1391-1401

Martinez Ansemil *et al.*, 2012.
 Zoological Journal of the Linnean
 Society 166: 530-558

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FADA

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Freshwater Animal Diversity Assessment

Taxonomical Group Name	Principal editor	Authorization to publish	Database Status
Annelida-Hirudinea	Boris Sket		
Annelida-Oligochaeta	Patrick Martin		
Annelida-Polychaeta	Chris Galsby		
Arachnida-Halacaridae	Ilse Bartsch	✓	published on:07 Feb 2013
Arachnida-Hydracarina	Antonio Di sabatino		
Arachnida-Oribita	Heinrich Schatz		
Bryozoa	Jos Massard		
Cnidaria-Hydroida	Thomas Jankowski	✓	published on:15 Jun 2010
Collembola	Louis Deharveng		
Crustacea-Amphipoda	Risto Vainola		
Crustacea-Branchiopoda non Clado	Luc Brendonck		
Crustacea-Branchiura	William Polly		
Crustacea-Cladocera	Alexey Kotov	✓	published on:07 Feb 2013
Crustacea-Copepoda	Geoff Boxshall	✓	published on:24 Aug 2009

Checklist

Status

- FADA:
 - 20 families
 - 193 genera
 - >1,100 spp.



Regional OBIS Node for the Antarctic

OBIS
OCEAN BIOGEOGRAPHIC
INFORMATION SYSTEM

[Introduction](#) | [Species lists](#) | [Search taxa](#) | [Taxon tree](#) | [Literature](#) | [Distributions](#) | [Statistics](#) | [Editors](#) | [Match taxa](#) | [Webservice](#) | [Log in](#)

RAMS Oligochaeta

Number of taxa: 45
Number of species: 25
Number of accepted species: 25

Taxonomic Editor:

Dr Patrick Martin, Royal Belgian Institute of Natural Sciences, Brussels, Belgium
email: patrick dot martin at naturalsciences dot be

The Oligochaeta species list still needs to be added into the Register of Antarctic Marine Species (RAMS), as it progresses. It is intended that RAMS, managed through the SCAR MarBIN project, will provide the most complete and up-to-date information on the marine diversity of Antarctica. This information will be passed on to the Oceanic Biology Information System (OBIS), the Global Biodiversity Information Facility (GBIF) and other relevant taxonomy initiatives.

[\[Taxonomic tree\]](#) [\[List species\]](#)

Checklist

Status

- RAMS:
 - 3 families
 - 7 genera
 - 25 spp.

- [-] Subclass **Oligochaeta** (902)
 - [-] Order **Capilloventrida** (2)
 - [-] Order **Crassiclitellata** (3)
 - [-] Order **Enchytraeida** (270)
 - [-] Order **Haplotaxida** (623)
 - [-] Suborder **Tubificina** (623)
 - [-] Family **Naididae** Ehrenberg, 1828 accepted as **Naidinae** Ehrenberg, 1828
 - [-] Family **Phreodrilidae** Beddard, 1891 (3)
 - [-] Family **Tubificidae** Vejdovský, 1884 (620)
 - [-] Subfamily **Branchiurinae** (1)
 - [-] Subfamily **Limnodriloidinae** Erséus, 1982 (113)
 - [-] Subfamily **Naidinae** Ehrenberg, 1828 (23)
 - [-] Genus **Amphichaeta** Tauber, 1879 (1)
 - [-] Genus **Blanonais** Gervais, 1838 accepted as **Ophidonais** Gervais, 1838
 - [-] Genus **Bohemilla** Vejdovský, 1884 accepted as **Vejdovskyaella** Michaelsen, 1903
 - [-] Genus **Bratislavia** Kosel, 1976
 - [-] Genus **Chaetogaster** Baer, 1827 (5)
 - [-] Genus **Nais** Müller, 1774 (6)
 - [-] Species **Nais appendiculata** Udekem, 1855 accepted as **Slavina appendiculata** (Udekem, 1855)
 - [-] Species **Nais behningi** Michaelsen, 1923
 - [-] Species **Nais borutzkii** Sokolskaja, 1964
 - [-] Species **Nais communis** Piguët, 1906
 - [-] Species **Nais diaphana** Gruithuisen, 1828 accepted as **Chaetogaster diaphanus** (Gruithuisen, 1828)
 - [-] Species **Nais diastrophia** Gruithuisen, 1828 accepted as **Chaetogaster diastrophus** (Gruithuisen, 1828)
 - [-] Species **Nais elinguis** Müller, 1774
 - [-] Species **Nais kisui** Sato, Ohtaka & Timm, 2009
 - [-] Species **Nais littoralis** Müller, 1780 accepted as **Paranais littoralis** (Müller, 1780)
 - [-] Species **Nais pseudobtusa** Piguët, 1906
 - [-] Species **Nais simplex** Piguët, 1906
 - [-] Species **Nais tubifex** (Müller, 1774) accepted as **Tubifex tubifex** (Müller, 1774)
 - [-] Species **Nais uncinata** Ørsted, 1842 accepted as **Uncinails uncinata** (Ørsted, 1842)
 - [-] Species **Nais variabilis** Piguët, 1906

Checklist

Status

- WoRMS:
 - 8 families?
 - >130 genera?
 - 902 spp.?

Expectations for the workshop

- Issues that could be solved during the meeting
 - Correct citations for publication (credits to the editor, date referring to the last modification validated by the editor – “historic stamp”)

WoRMS taxon details

✓ Enchytraeida

AphiaID: 468017

Classification: [Biota](#) > [✓ Animalia](#) (Kingdom) > [✓ Annelida](#) (Phylum) > [✓ Clitellata](#) (Class) > [✓ Oligochaeta](#) (Subclass) > [✓ Enchytraeida](#) (Order)

Status accepted

Rank Order

Parent [✓ Oligochaeta](#)

Source Not documented

Direct child taxa (3)
[\[sort alpha..\]](#)

- Family [✓ Enchytraeidae](#) [Vejdovský, 1879](#)
- Family [✓ Propappidae](#)
- Family [✓ Randiellidae](#) [Erséus & Strehlow, 1986](#)

LSID urn:lsid:marinespecies.org:taxname:468017

Taxonomic Edit history

Date	action	by
2010-04-20 10:10:21Z	created	Timm, Tarmo

[\[Taxonomic tree\]](#) [\[List Species\]](#) [\[Occurrence map\]](#) [\[Google\]](#) [\[Google scholar\]](#) [\[Google images\]](#)

Citation: [Timm, T. \(2015\). Enchytraeida. Accessed through: World Register of Marine Species at <http://www.marinespecies.org/aphia.php?p=taxdetails&id=468017> on 2015-09-25](#)



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 - [-] Order *Lumbriculida* (4)
 - [-] Family *Lumbriculidae* Vejdovský, 1884 (4)
 - [-] Genus *Lumbriculus* Grube, 1844 (1)
 - ...Species *Lumbriculus variegatus* (Müller, 1774)
 - [+] Genus *Saenuris* Hoffmeister, 1842 accepted as *Lumbriculus* Grube, 1844
 - [-] Genus *Stylodrilus* Claparède, 1862 (2)
 - ...Species *Stylodrilus cernosvitovi* (Hrabe, 1950)
 - ...Species *Stylodrilus parvus* (Hrabe & Cernosvitov, 1927)
 - [-] Genus *Trichodrilus* Claparède, 1862 (1)
 - ...Species *Trichodrilus pauper* Finogenova, 1973

✓ *Trichodrilus pauper* Finogenova, 1973

AphiaID: 476117

Classification: Biota > ✓ [Animalia](#) (Kingdom) > ✓ [Annelida](#) (Phylum) > ✓ [Clitellata](#) (Class) > ✓ [Oligochaeta](#) (Subclass) >

Status accepted

Rank Species

Parent ✓ [Trichodrilus](#) Claparède, 1862

Orig. name ✓ [Trichodrilus pauper](#) Finogenova, 1973

Source Not documented

Link ? [To Encyclopedia of Life](#)

LSID urn:lsid:marinespecies.org:taxname:476117

Taxonomic Edit history	Date	action	by
	2010-05-11 08:20:37Z	created	Timm, Tarmo

Expectations for the workshop

- Issues that could be solved during the meeting
 - Correct citations for publication (credits to the editor, date referring to the last modification validated by the editor – “historic stamp”)
 - Correct citation of the sources
 - How to combine separate excel sheets for each biogeographical region into a single excel sheet ready for importation into FADA
- Expected perspectives (new tools, publication...)
 - A simple web-based interface for adding, editing and updating data in FADA
 - Publication of checklists for archival purposes (electronic journal???)