

Image Examples of Major Categories

Jessica Pretty, Rachel Lekanoff, and Stephanie O'Daly

Experiment: Climate Variability and Predictability (CLIVAR)

Ship: R/V Ronald H Brown

Cruise ID: RB1503

Location: P16N Pacific Ocean transect along 151 W, between French Polynesia (17 S) and Alaska (56 N)

Dates at sea: 2015/04/11 to 2015/06/18

Instrument: Underwater Vision Profiler 5 Unit Serial Number 009 manufactured by Hydroptic

Group Leader and Contact: Andrew McDonnell, amcdonnell@alaska.edu

Image validation: Rachel Lekanoff, Jessica Pretty, Stephanie ODaly, and Benjamin LeBlanc

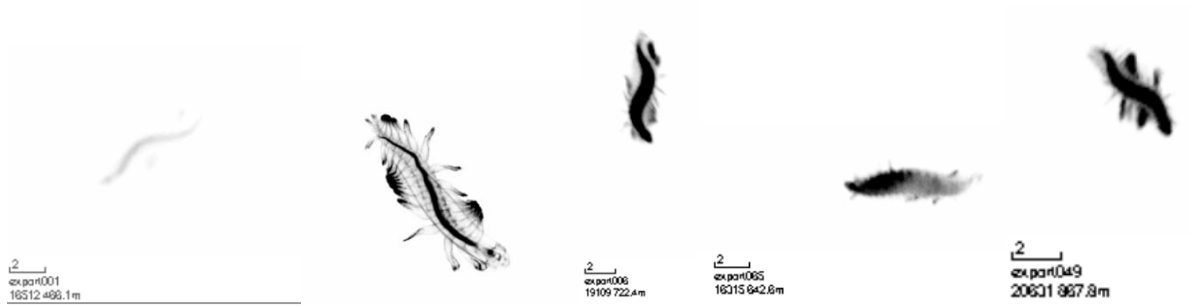
Project page: <https://ecotaxa.obs-vlfr.fr/prj/43>

This document provides example images of major taxonomic categories. Images were used for guiding validations only and were taken with a High Definiton UVP5 Unit Serial Number 207.

Ecotaxa Image Examples of Major Categories

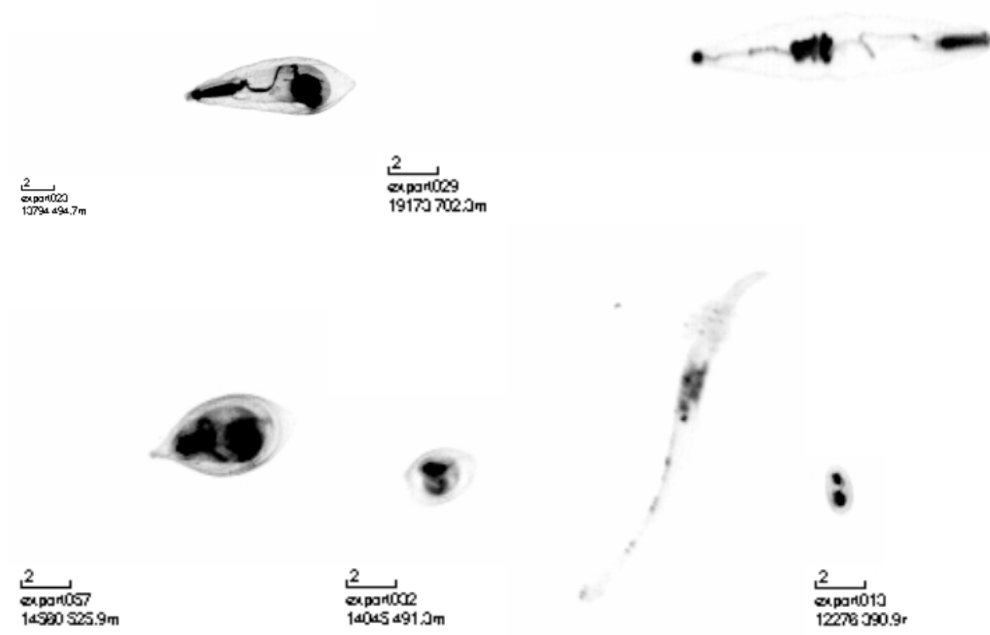
Annelida

Annelida < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Poebius

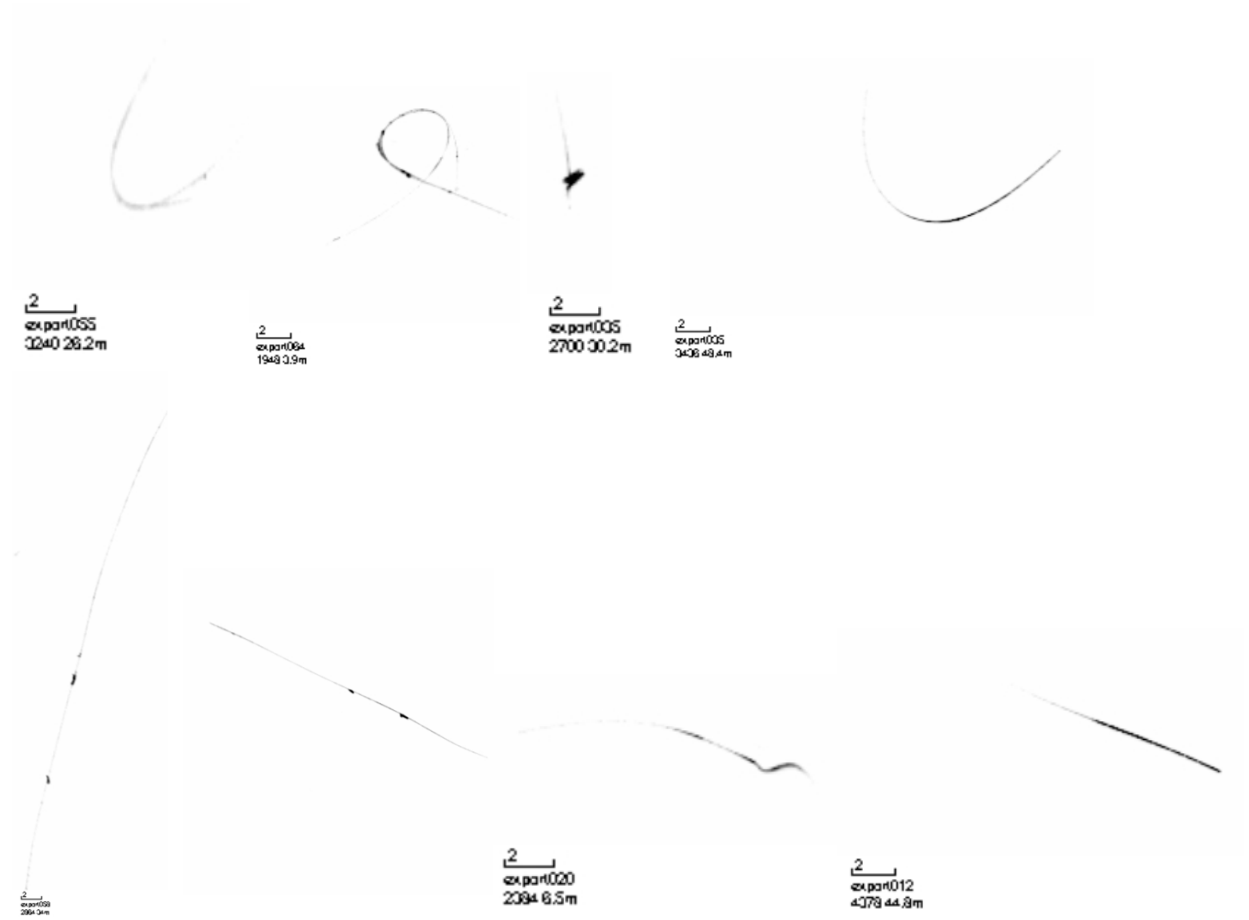
Poebius < Terebellida < Canalipalpata < Sedentaria < Polychaeta < Annelida < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Ecotaxa Image Examples of Major Categories

Diatoma

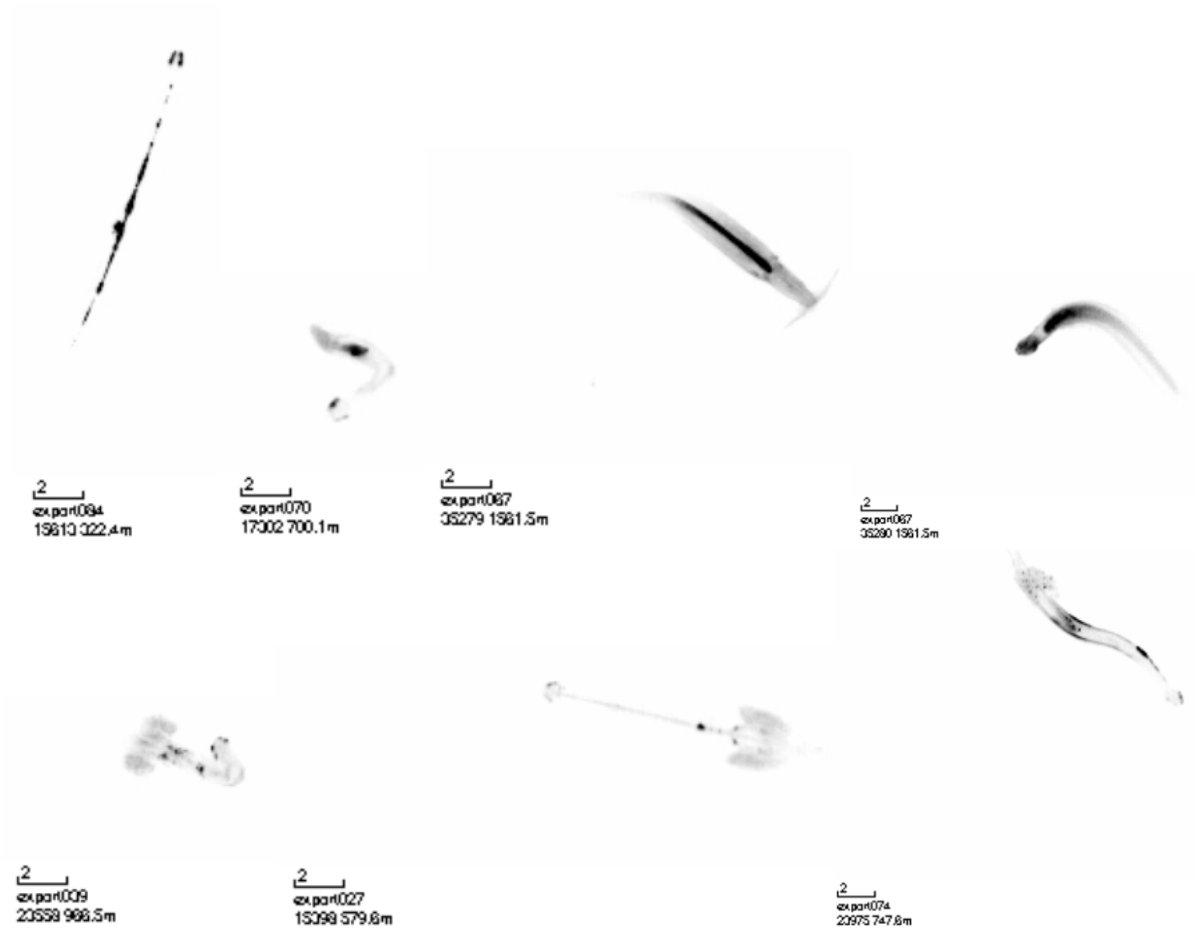
Diatoma < Bacillariophyceae < Bacillariophytina < Bacillariophyta < Ochrophyta < Stramenopiles < Harosa < Eukaryota < living



Ecotaxa Image Examples of Major Categories

Chaetognatha

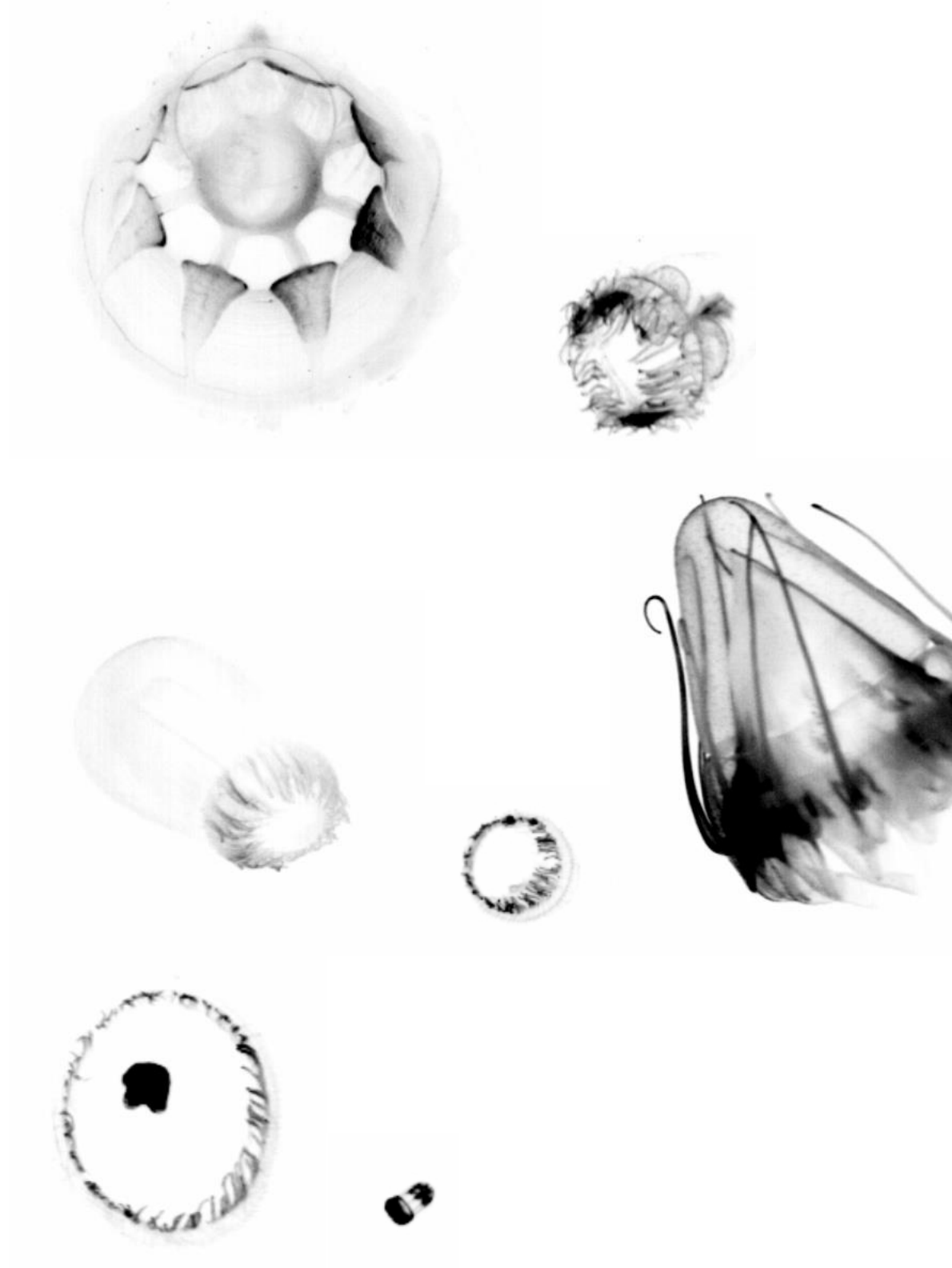
Chaetognatha < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Ecotaxa Image Examples of Major Categories

Cnidaria < Metazoa

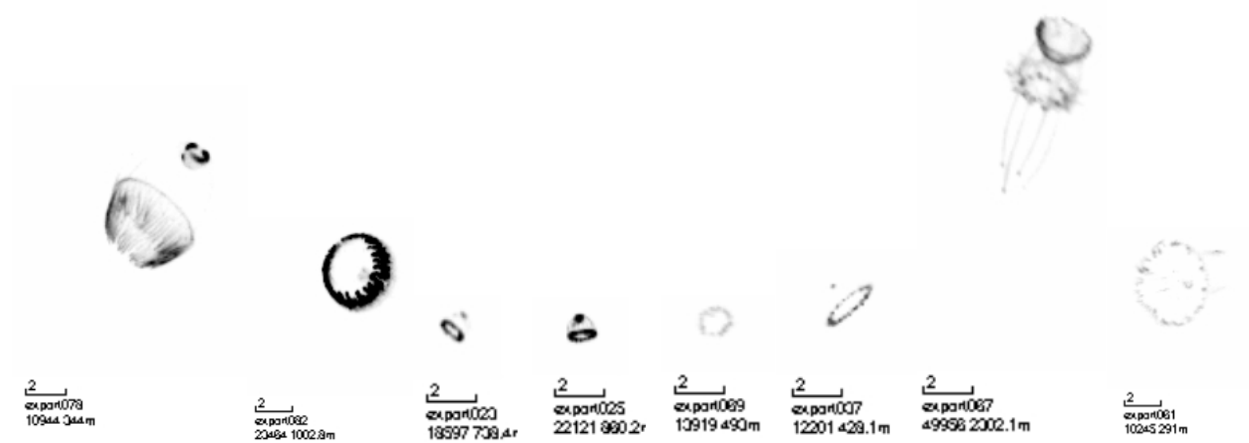
Cnidaria < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Ecotaxa Image Examples of Major Categories

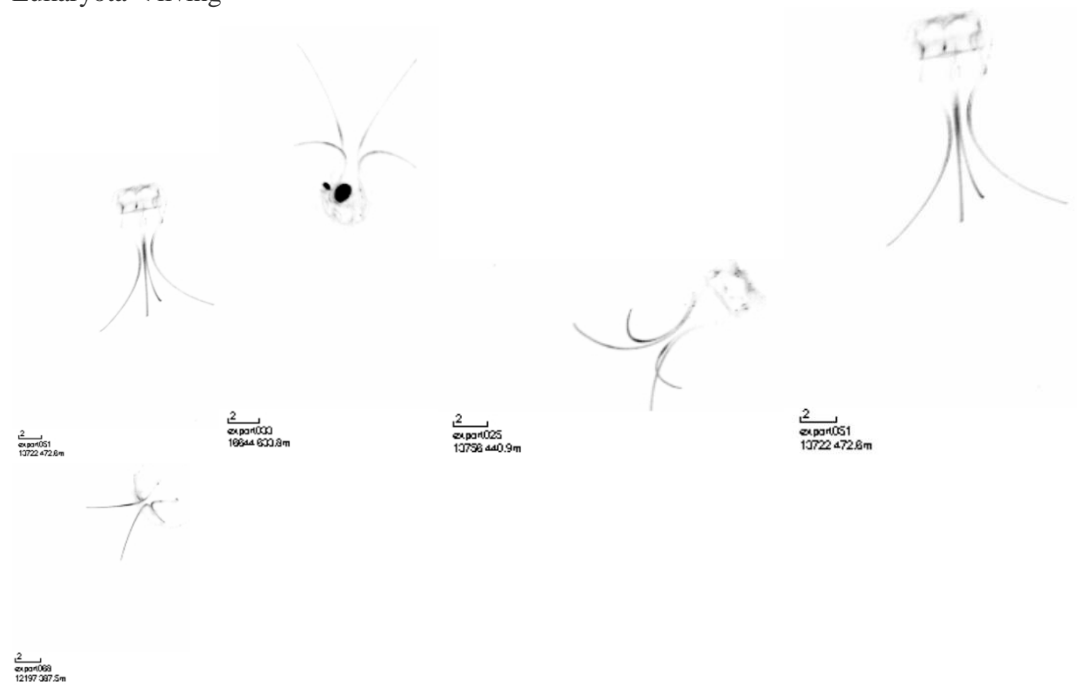
Hydrozoa

Hydrozoa < Cnidaria < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Aeginidae

Aeginidae < Narcomedusae < Trachylina < Hydrozoa < Cnidaria < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Solmundella bitentaculata

Solmundella bitentaculata < Solmundella < Aeginidae < Narcomedusae < Trachylina < Hydrozoa < Cnidaria < Metazoa < Holozoa < Opisthokonta < Eukaryota < living

Ecotaxa Image Examples of Major Categories

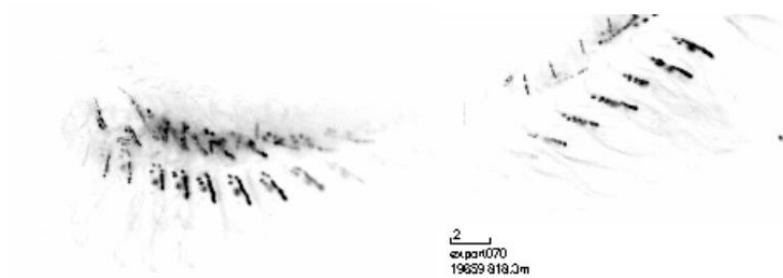


Siphonophorae

Siphonophorae < Hydroidolina < Hydrozoa < Cnidaria < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



2
ex.par1035
12962 423.5m



2
ex.par1070
19639 818.2m



2
ex.par1098
13073 492.8m



2
ex.par1035
12962 423.5m

Scyphozoa

Scyphozoa < Cnidaria < Metazoa < Holozoa < Opisthokonta < Eukaryota < living

Ecotaxa Image Examples of Major Categories



Crustacea

Crustacea < Arthropoda < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Copepoda

Copepoda < Maxillopoda < Crustacea < Arthropoda < Metazoa < Holozoa < Opisthokonta < Eukaryota < living

Ecotaxa Image Examples of Major Categories



Eucalanidae

Eucalanidae < Calanoida < Copepoda < Maxillopoda < Crustacea < Arthropoda < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



like<Copepoda

like < Copepoda < Maxillopoda < Crustacea < Arthropoda < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Ecotaxa Image Examples of Major Categories

Eumalacostraca

Eumalacostraca < Malacostraca < Crustacea < Arthropoda < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Hyperia

Hyperia < Hyperiidae < Hyperiidea < Amphipoda < Eumalacostraca < Malacostraca < Crustacea < Arthropoda < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Ostracoda

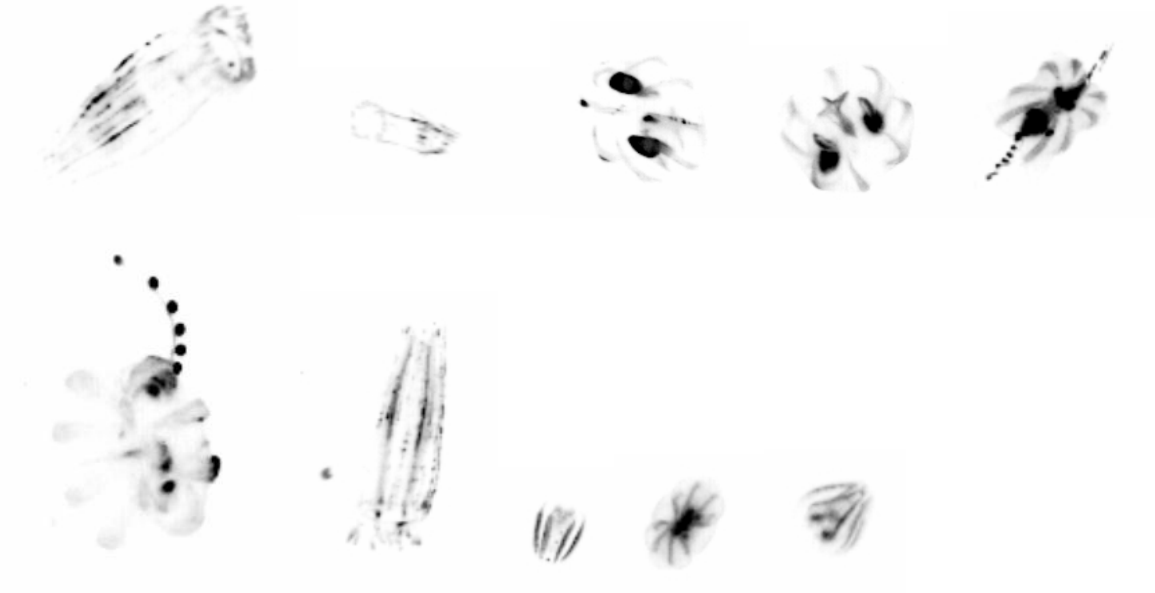
Ostracoda < Oligostraca < Crustacea < Arthropoda < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Ecotaxa Image Examples of Major Categories

Ctenophora < Metazoa

Ctenophora < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Teleostei X

Teleostei X < Actinopterygii < Gnathostomata < Vertebrata < Craniata < Chordata < Metazoa < Holozoa < Opisthokonta < Eukaryota < living

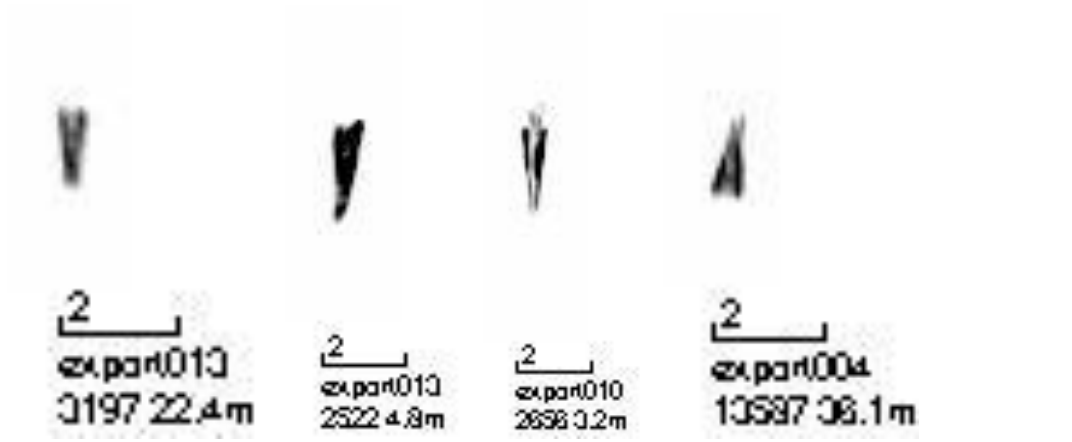


Mollusca

Mollusca < Metazoa < Holozoa < Opisthokonta < Eukaryota < living

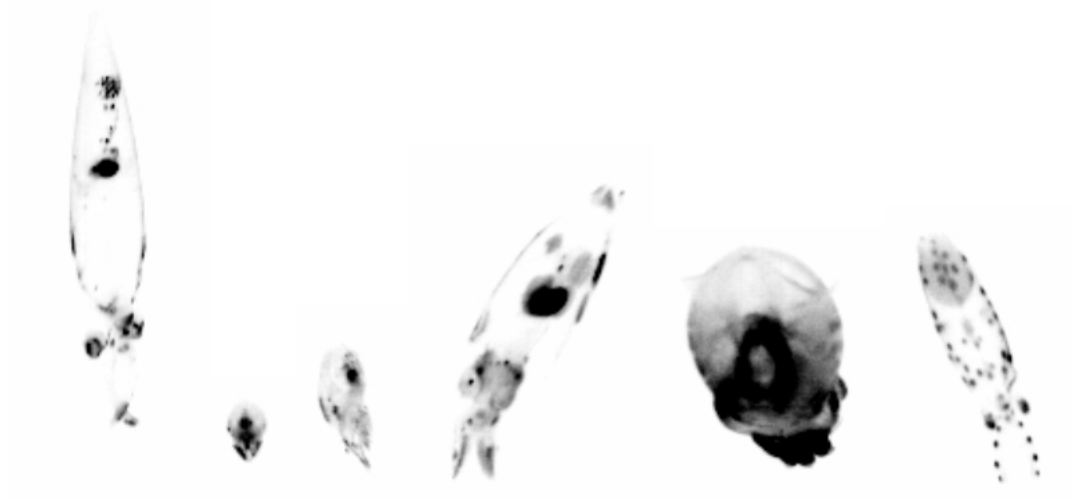


Ecotaxa Image Examples of Major Categories



Cephalopoda

Cephalopoda < Mollusca < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Gymnosomata

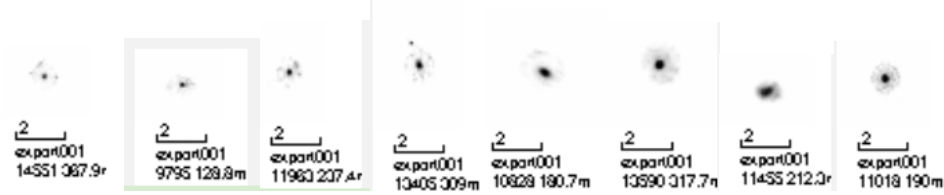
Gymnosomata < Euopisthobranchia < Euthyneura < Heterobranchia < Gastropoda < Mollusca < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Ecotaxa Image Examples of Major Categories

Rhizaria

Rhizaria < Harosa < Eukaryota < living



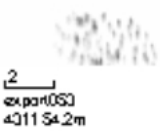
Acantharea

Acantharea < Retaria < Rhizaria < Harosa < Eukaryota < living



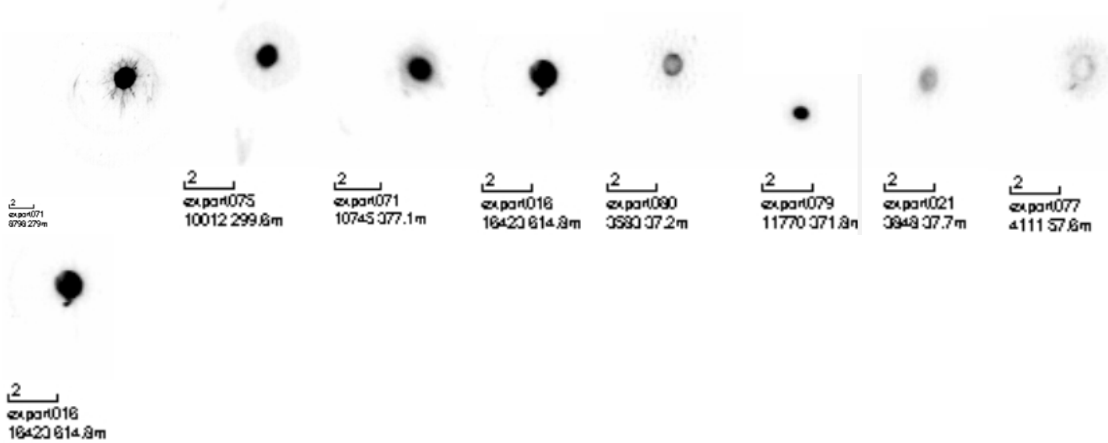
colonial<Collodaria

colonial < Collodaria < Polycystinea < Retaria < Rhizaria < Harosa < Eukaryota < living



solitaryblack

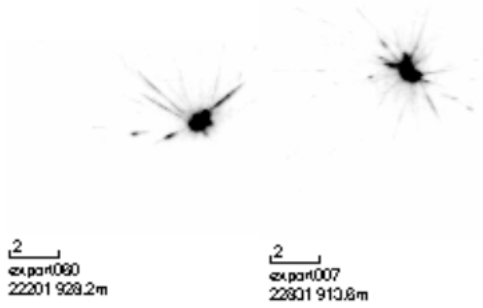
solitaryblack < Collodaria < Polycystinea < Retaria < Rhizaria < Harosa < Eukaryota < living



Foraminifera

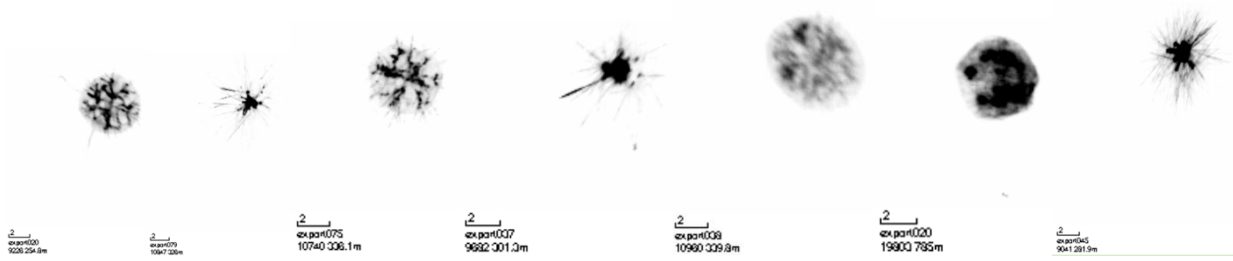
Foraminifera < Retaria < Rhizaria < Harosa < Eukaryota < living

Ecotaxa Image Examples of Major Categories



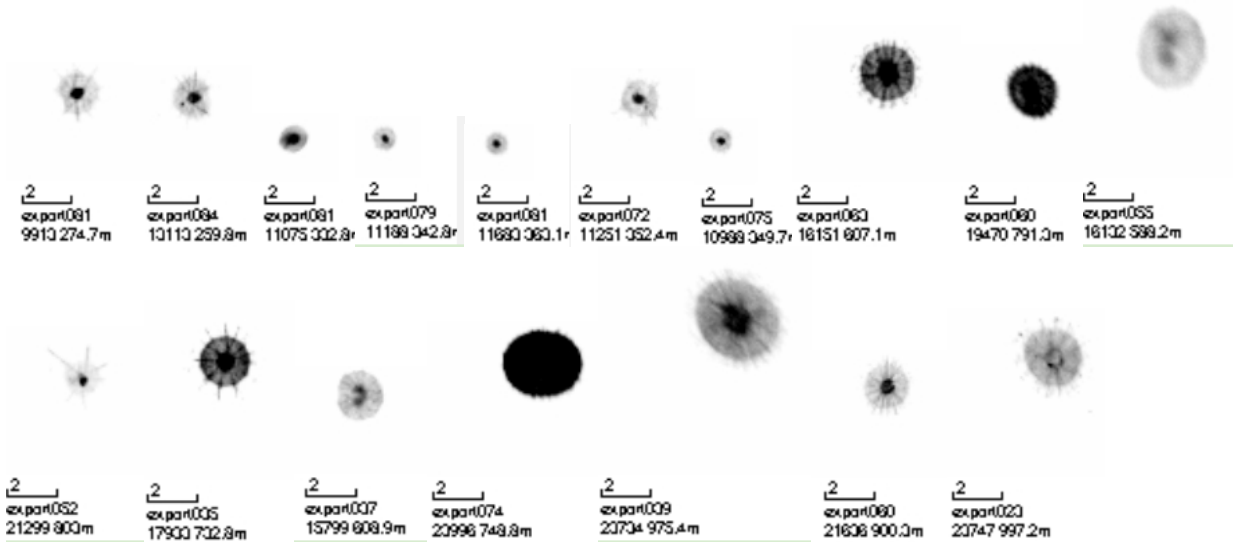
Hastigerina

Hastigerina < Globigerinacea < Rotaliida < Globobulimina < Foraminifera < Retaria < Rhizaria < Harosa < Eukaryota < living



Aulacantha

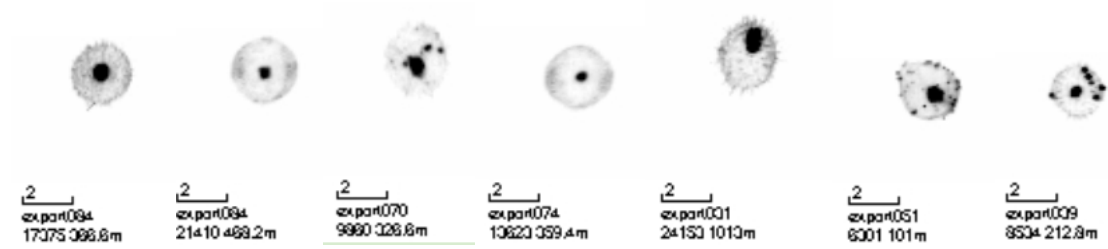
Aulacantha < Aulacanthidae < Phaeocystida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



Ecotaxa Image Examples of Major Categories

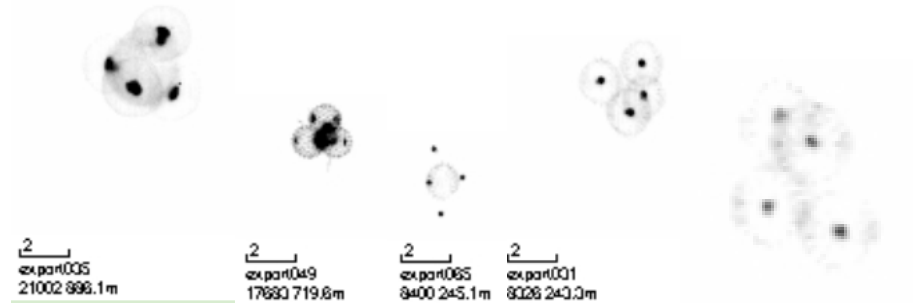
Aulosphaeridae

Aulosphaeridae < Phaeosphaerida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



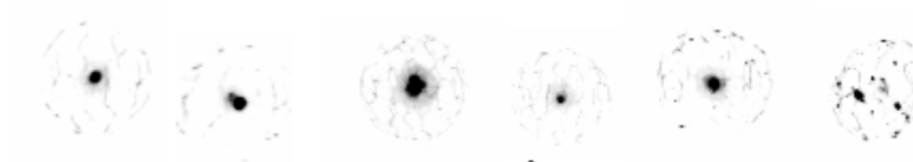
colonial<Aulosphaeridae

colonial < Aulosphaeridae < Phaeosphaerida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



Cannosphaeridae

Cannosphaeridae < Phaeosphaerida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



colonial<Cannosphaeridae

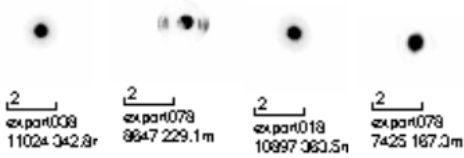
colonial < Cannosphaeridae < Phaeosphaerida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



Ecotaxa Image Examples of Major Categories

Castanellidae

Castanellidae < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



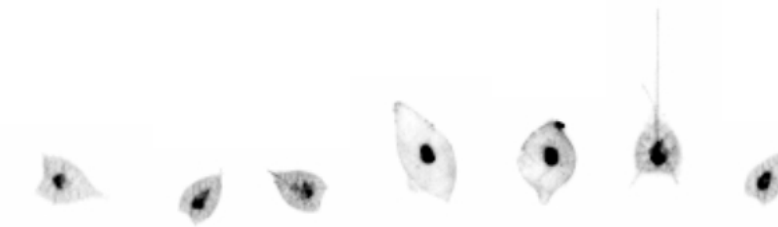
Coelodendrum

Coelodendrum < Coelodendridae < Phaeodendrida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



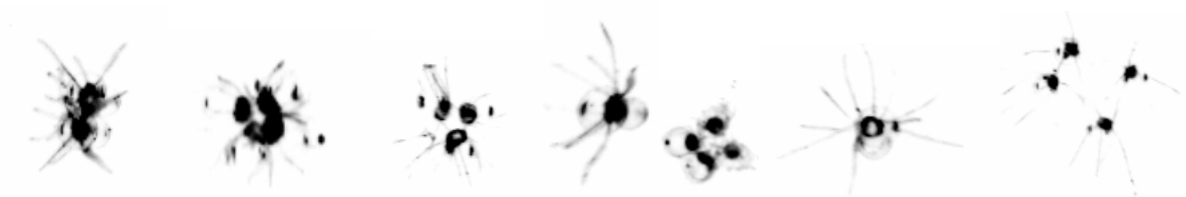
Coelographis

Coelographis < Coelodendridae < Phaeodendrida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



Medusettidae

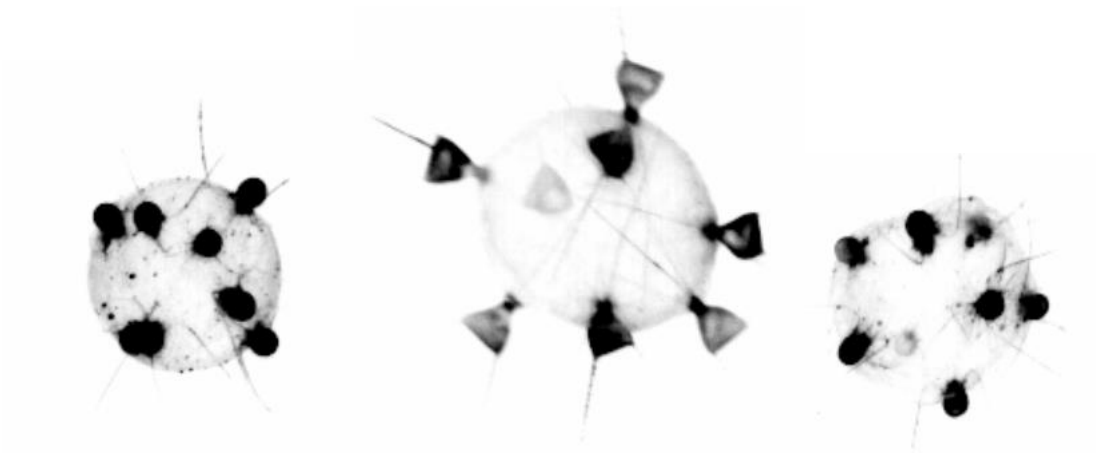
Medusettidae < Phaeogromida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



Tuscaroridae

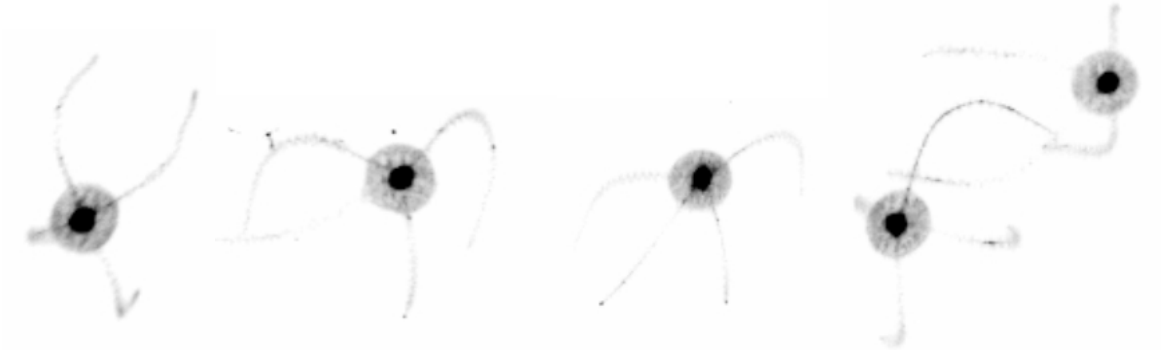
Tuscaroridae < Phaeocalpida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living

Ecotaxa Image Examples of Major Categories



leg<Coelodendridae

leg < Coelodendridae < Phaeodendrida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



like<Phaeodaria

like < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



spines<Aulacanthidae

spines < Aulacanthidae < Phaeocystida < Phaeodaria < Thecofilosea < Cercozoa < Rhizaria < Harosa < Eukaryota < living



Rhizaria X

Rhizaria X < Rhizaria < Harosa < Eukaryota < living



house

house < Appendicularia < Tunicata < Chordata < Metazoa < Holozoa < Opisthokonta < Eukaryota < living

Ecotaxa Image Examples of Major Categories



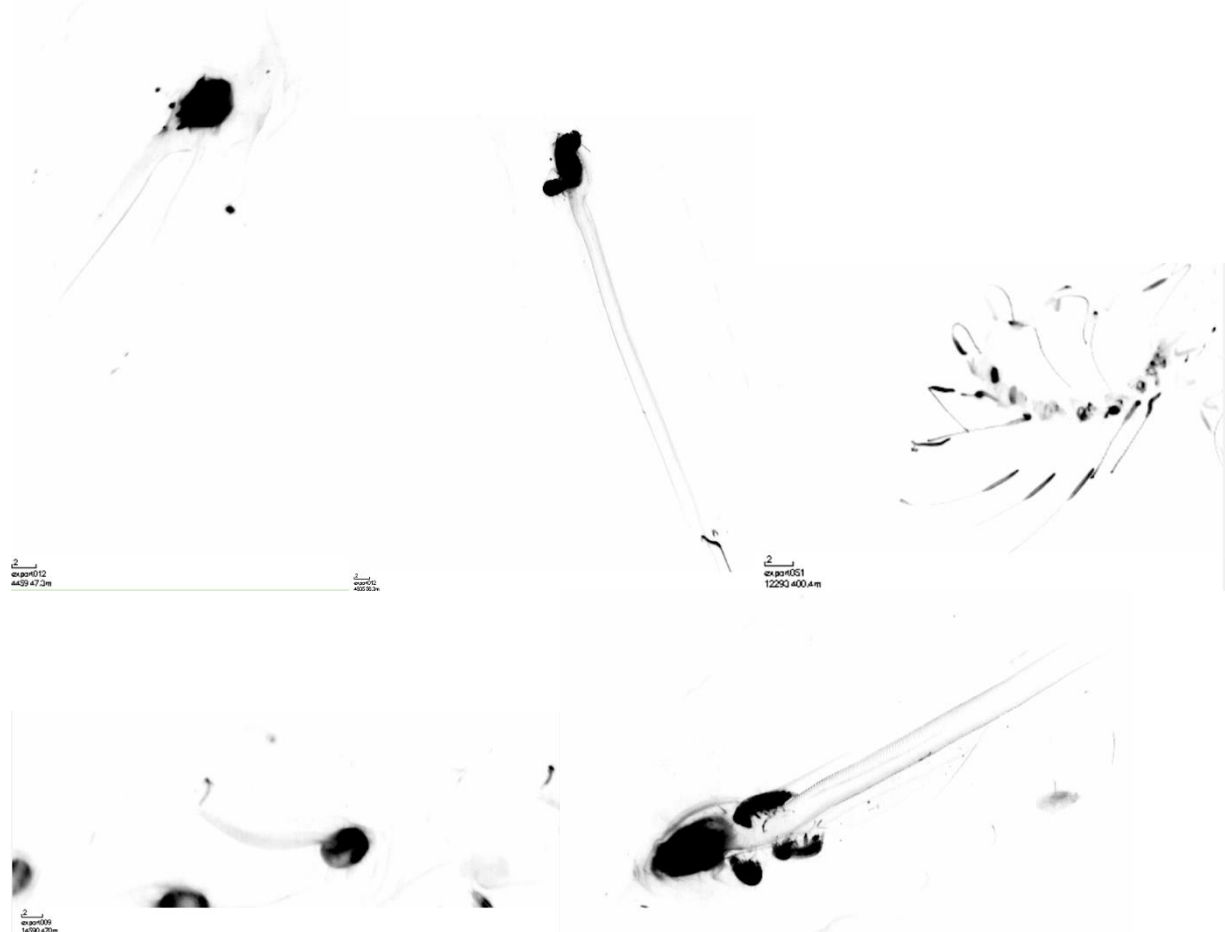
Doliolida

Doliolida < Thaliacea < Tunicata < Chordata < Metazoa < Holozoa < Opisthokonta < Eukaryota < living

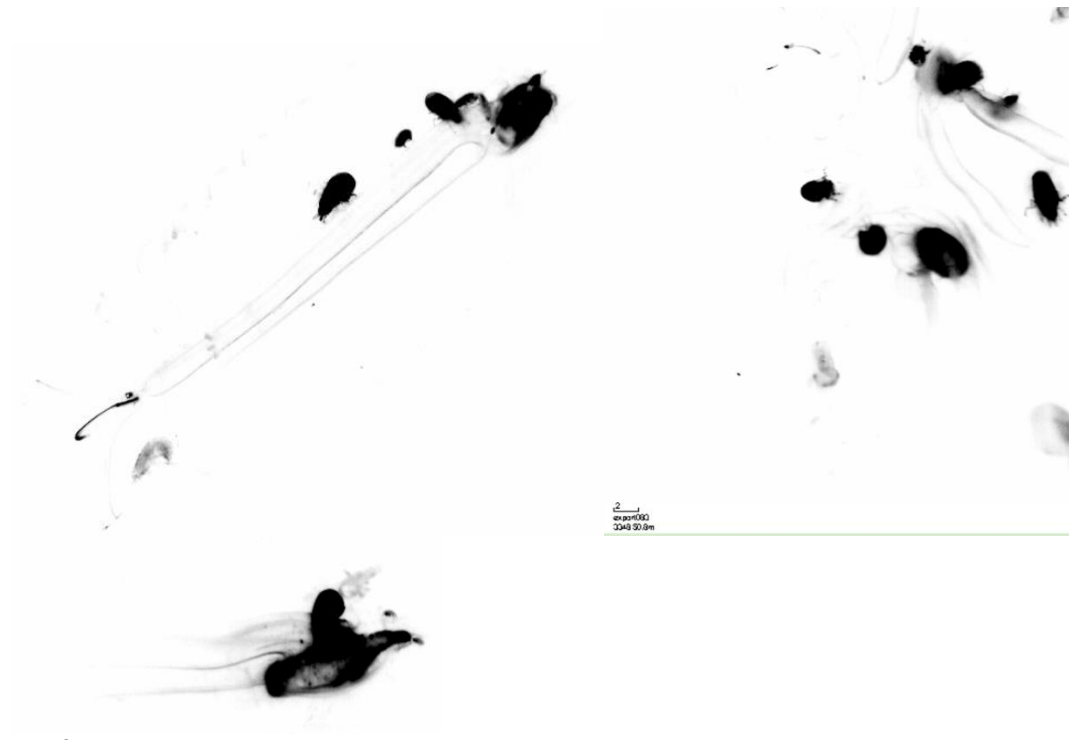


Salpida

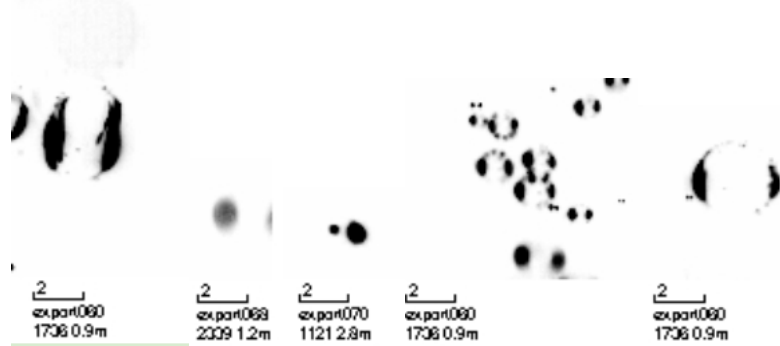
Salpida < Thaliacea < Tunicata < Chordata < Metazoa < Holozoa < Opisthokonta < Eukaryota < living



Ecotaxa Image Examples of Major Categories



artefact
artefact < not-living



detritus
detritus < not-living



fiber<detritus
fiber < detritus < not-living

Ecotaxa Image Examples of Major Categories



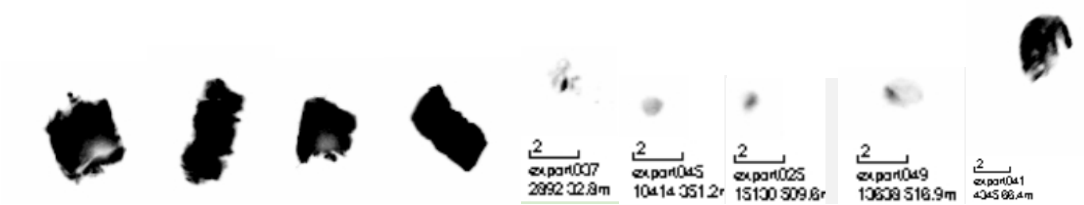
ovoid

ovoid < detritus < not-living



feces

feces < not-living



darksphere

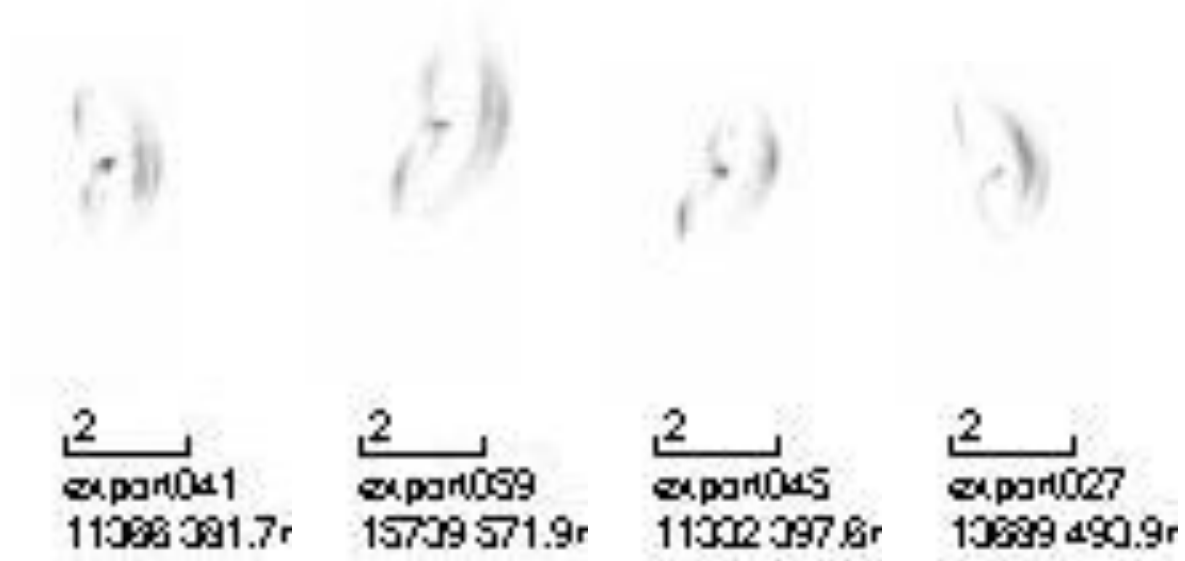
darksphere < othertocheck < other < living



Ecotaxa Image Examples of Major Categories

Temporary Categories UVP5hd EXPORTS NP

T001 – bean like shape

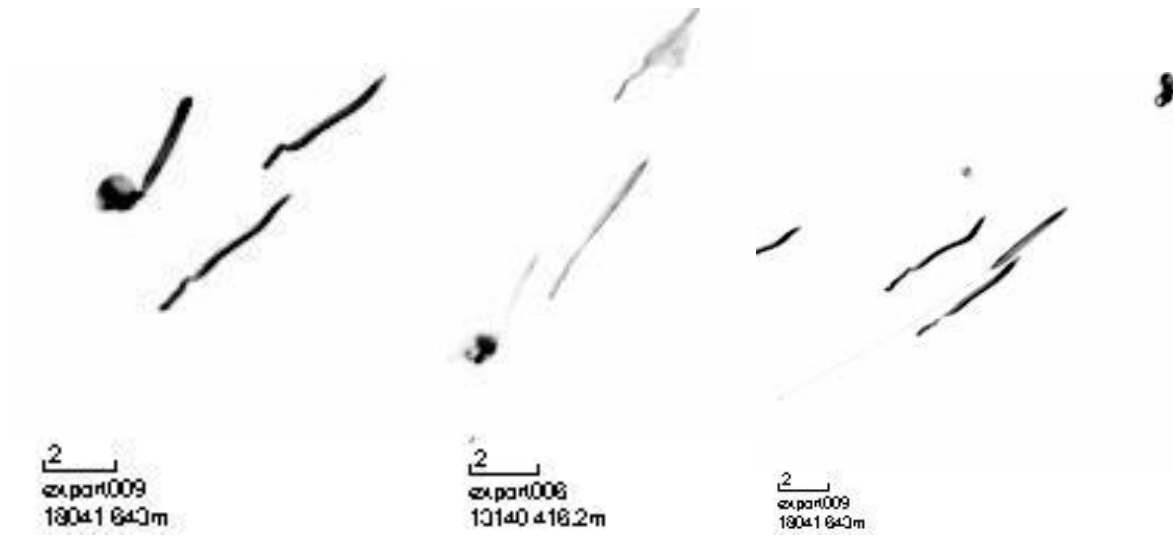


T002 – very long fibers or diatom chains or tentacles

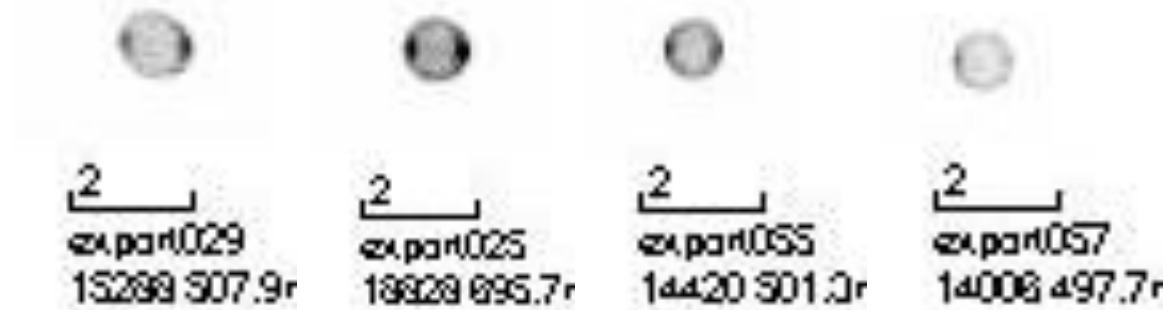


T003 – portion of possible cnidarian

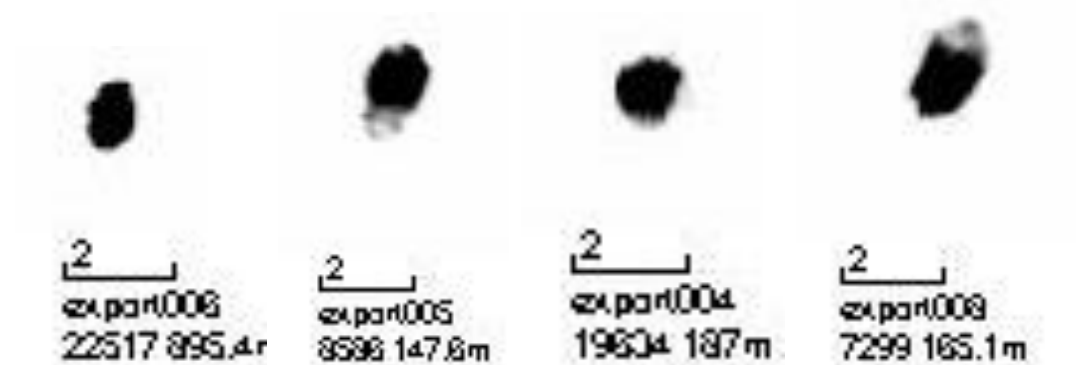
Ecotaxa Image Examples of Major Categories



T004 – circular particle with one or two dark spots




T006 – cylindrical/round fecal pellets

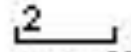


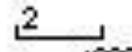
T007 – possible fibrous particles or elongated fecal pellets

Ecotaxa Image Examples of Major Categories




ex.par1042
0051 09.8m


ex.par1008
2812 18.8m



ex.par1005
2717 00.7m

T008 – rectangular/tabular fecal pellets – possibly from salps





ex.par1013
11890 062m




ex.par1005
9920 017.5m




ex.par1053
9428 259.8m