

日本の海洋生物多様性情報の提供

Provision of the marine biodiversity information around Japan

OBIS Japanが集めたデータはJAMSTECのBISMAL上で公開されます。

Data collected by OBIS Japan is published online through BISMAL of JAMSTEC.

日本の海には 3 万種を超える生物がすんでいます。しかし、環境変化や開発による生息場所の消失などにより、姿を見かけなくなった生物もいます。

Over 30,000 marine species have been recorded from Japanese waters. However, some species decreased and become rare because of environmental changes and habitat loss derived from developments by human.



生物環境の保全や生物資源の持続的利用のためには、過去・現在の状況を把握し、将来の予測をする必要があります。そのためには、まず個々の生物の出現に関するこれまでの記録をとりまとめる必要があります。

For the conservation of biological environments and sustainable use of biological resources, it is necessary to understand past and current conditions of nature and estimate the future. For this purpose, we should first collect previous occurrence records of each species.

海洋研究開発機構では日本周辺の海洋生物の多様性情報を蓄積・公開するための BISMAL: Biological Information System for Marine というデータシステムを構築しました。

The Japan Agency for Marine-Earth Science and Technology constructed a datasystem, BISMAL: Biological Information System for Marine Life, to accumulate and publish biodiversity information of marine species around Japan.

*BISMAL URL: <http://www.godac.jp/bismal/>

GODAC Global Oceanographic Data Center | **BISMAL** Biological Information System for Marine Life

Registered 2273 species

NAME: Search

Navigation: Name and Geography | Taxonomic tree

Classification: Animalia - Arthropoda - Crustacea - Malacostraca - Eumalacostraca - Eucarida - Decapoda - Pleocyemata - Anomura - Galatheoidea - Galatheidae - Shinkaia
動物界 - 節足動物門 - 甲殻動物門 - 軟甲綱 - 異軟甲亜綱 - ホンエビ上目 - 十脚目 - 自前亜目 - 異尾下目 - コシオリエビ上科 - コシオリエビ科 - Shinkaia属

Species: *Shinkaia crosnieri* Baba & Williams, 1998 ゴエモンコシオリエビ

IMAGES: NEXT >

OVER VIEW: English | 日本語

Shinkaia crosnieri is a taxonomically distinct galatheid crab specific to hydrothermal vent areas. The Carapace is longitudinally oval with a smooth dorsal surface bearing few setae. However, ventral surface of cephalothorax is densely covered with long setae bearing Beggiatoa-type filamentous bacteria. Shinkaia crosnieri was previously reported from hydrothermal vents in the Edison Seamount at the Bismarck Archipelago and the Iheya Ridge in the Okinawa Trough (Baba & Williams, 1998), and more recently found from hydrothermal areas at the north-eastern coast of Taiwan (Chan et al., 2000). The galatheid sometimes forms large aggregations around vents, and Ohta & Kim (2001) reported that S. crosnieri gathered gregariously on the diffuse chimney top where a rather high temperature gradient and high concentration of hydrogen sulfide are expected.

Distribution map:

OTHER RESOURCES: OBIS, ChESBase, WoRMS, Encyclopedia of Life, GBIF, uBio, DDBJ, BOLD Systems, Google scholar, PubMed Central(PMC)

Latitude	Longitude	Date	Area	Videos	Panoramas	Samples	Dive
24-30.899-N	123-30.283-E	2009/07/31	Hatoma Knoll	0	0	2	HYPER-DOLPHIN Dive.1039
24-31.500-N	123-30.287-E	2009/07/31	Hatoma Knoll	0	0	3	HYPER-DOLPHIN Dive.1038
24-30.892-N	123-30.280-E	2009/07/30	Hatoma Knoll	0	0	2	HYPER-DOLPHIN Dive.1037
24-30.917-N	123-30.283-E	2009/07/29	Hatoma Knoll	0	0	2	HYPER-DOLPHIN Dive.1035
27-28.476-N	126-32.281-E	2008/07/02	North Iheya Knoll	0	0	1	HYPER-DOLPHIN Dive.864
27-08.967-N	127-02.495-E	2008/07/02	Izema Calderon (Hole)	0	0	1	HYPER-DOLPHIN Dive.865
27-28.476-N	126-32.281-E	2008/07/01	North Iheya Knoll	0	0	2	HYPER-DOLPHIN Dive.863
27-28.472-N	126-32.277-E	2007/06/19	North Knoll of Iheya Ridge	0	0	1	HYPER-DOLPHIN Dive.696
24-30.913-N	123-30.280-E	2007/03/15	Hatoma Knoll	0	0	1	SHINKAI6500 Dive.1000
24-30.913-N	123-30.280-E	2007/03/14	Hatoma Knoll	0	0	1	SHINKAI6500 Dive.999

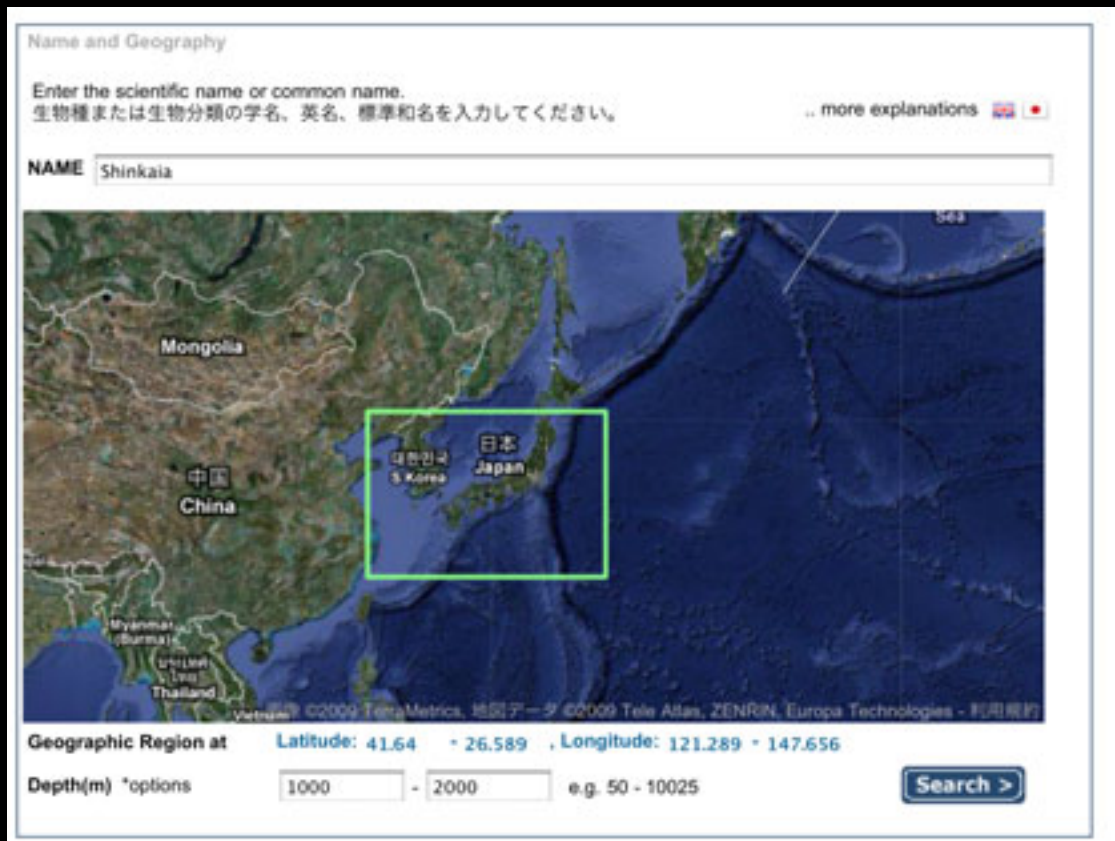
VIDEO | PANORAMA | SAMPLE | LITERATURE

LIST (368 Results) | PREVIOUS | 1 | 2 | 3 | 4 | 5 | ... | NEXT

Item	Date / Location	Detail
1	2004/04/23 24-51.500-N, 123-50.500-E / 1475.0M (Hatoma Knoll, Okinawa Trough)	Shinkaia crosnieri colony
2	2000/07/31 25-14.000-N, 124-52.600-E / 1652.0M (Yaeyama Graben, Okinawa Trough)	Sulfide chimneys, Shinkaia crosnieri
3	2000/07/31 25-14.000-N, 124-52.600-E / 1652.0M (Yaeyama Graben, Okinawa Trough)	Shinkaia crosnieri, Sulfide chimneys
4	2002/06/06 24-51.500-N, 123-50.500-E / 1469.0M (Hatoma Knoll, Okinawa Trough)	

BISMAL のサンプルページ
A sample page of BISMAL

BISMaL では学名や和名、地理的範囲や水深で生物を検索することができます。
You can search species on BISMaL by scientific names, Japanese names, geospatial area and depth range



学名、和名、地理的範囲、水深による検索
Search by names, geospatial area and depth range



分類ツリーを使った検索
Search by using a taxonomic tree

階層的に整理された分類ツリーを使って生物を探すこともできます。
You can search species by using a taxonomic tree hierarchically arranged.

Species: *Shinkaia crosnieri* Baba & Williams, 1998 ゴエモンコシオリエビ

Tree View

IMAGES OVER VIEW

English 日本語

Shinkaia crosnieri is a taxonomically distinct galatheid crab specific to hydrothermal vent areas. The Carapace is longitudinally oval with a smooth dorsal surface bearing few setae. However, ventral surface of cephalothorax is densely covered with long setae bearing Beggiatoa-type filamentous bacteria. *Shinkaia crosnieri* was previously reported from hydrothermal vents in the Edison Seamount at the Bismarck Archipelago and the Iheya Ridge in the Okinawa Trough (Baba & Williams, 1998), and more recently found from hydrothermal areas at the north-eastern coast of Taiwan (Chan et al., 2000). The galatheid sometimes forms large aggregations around vents, and Ohta & Kim (2001) reported that *S. crosnieri* gathered gregariously on the diffuse chimney top where a rather high temperature gradient and high concentration of hydrogen sulfide are expected.

GODAC BISMAL Biological Information System for Marine Life

Species: *Shinkaia crosnieri* Baba & Williams, 1998 ゴエモンコシオリエビ

IMAGES OVER VIEW

Distribution map

Latitude	Longitude	Date	Locality	Depth	Water	Parameter	Sample	Date
14-30-00.0N	152-30-20.0E	20000701	Heiana Knoll	0	0	0	JAMER-OOLPHN-Div-1009	
14-30-00.0N	152-30-00.0E	20000701	Heiana Knoll	0	0	0	JAMER-OOLPHN-Div-1010	
14-30-00.0N	152-30-00.0E	20000701	Heiana Knoll	0	0	0	JAMER-OOLPHN-Div-1017	
14-30-00.0N	152-30-00.0E	20000701	Heiana Knoll	0	0	0	JAMER-OOLPHN-Div-1018	
17-28-45.0N	126-28-30.0E	20000702	North Iheya Knoll	0	0	0	JAMER-OOLPHN-Div-867	
17-28-45.0N	126-28-30.0E	20000702	South Iheya Knoll	0	0	0	JAMER-OOLPHN-Div-868	
17-28-45.0N	126-28-30.0E	20000702	North Iheya Knoll	0	0	0	JAMER-OOLPHN-Div-869	
17-28-45.0N	126-28-30.0E	20000702	South Iheya Knoll	0	0	0	JAMER-OOLPHN-Div-870	
14-30-00.0N	152-30-00.0E	20010719	Heiana Knoll	0	0	0	JAMER-OOLPHN-Div-1007	
14-30-00.0N	152-30-00.0E	20010719	Heiana Knoll	0	0	0	JAMER-OOLPHN-Div-1008	

VIDEO PANORAMA SAMPLE LITERATURE

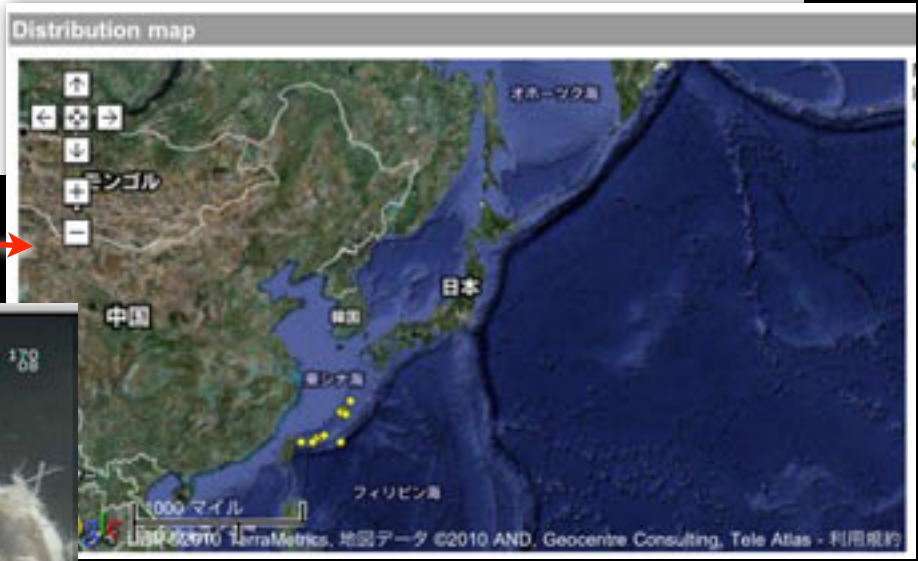
LIST (55 Results)

20000701 14-30-00.0N 152-30-00.0E 1473.0M (Heiana Knoll, Okinawa Trough) Shinkaia crosnieri battery

20000702 17-28-45.0N 126-28-30.0E 1452.0M (North Iheya Knoll, Okinawa Trough) Shinkaia crosnieri, Shinkaia crosnieri

20000702 17-28-45.0N 126-28-30.0E 1452.0M (South Iheya Knoll, Okinawa Trough) Shinkaia crosnieri, Shinkaia crosnieri

20010719 14-30-00.0N 152-30-00.0E 1473.0M (Heiana Knoll, Okinawa Trough) Shinkaia crosnieri

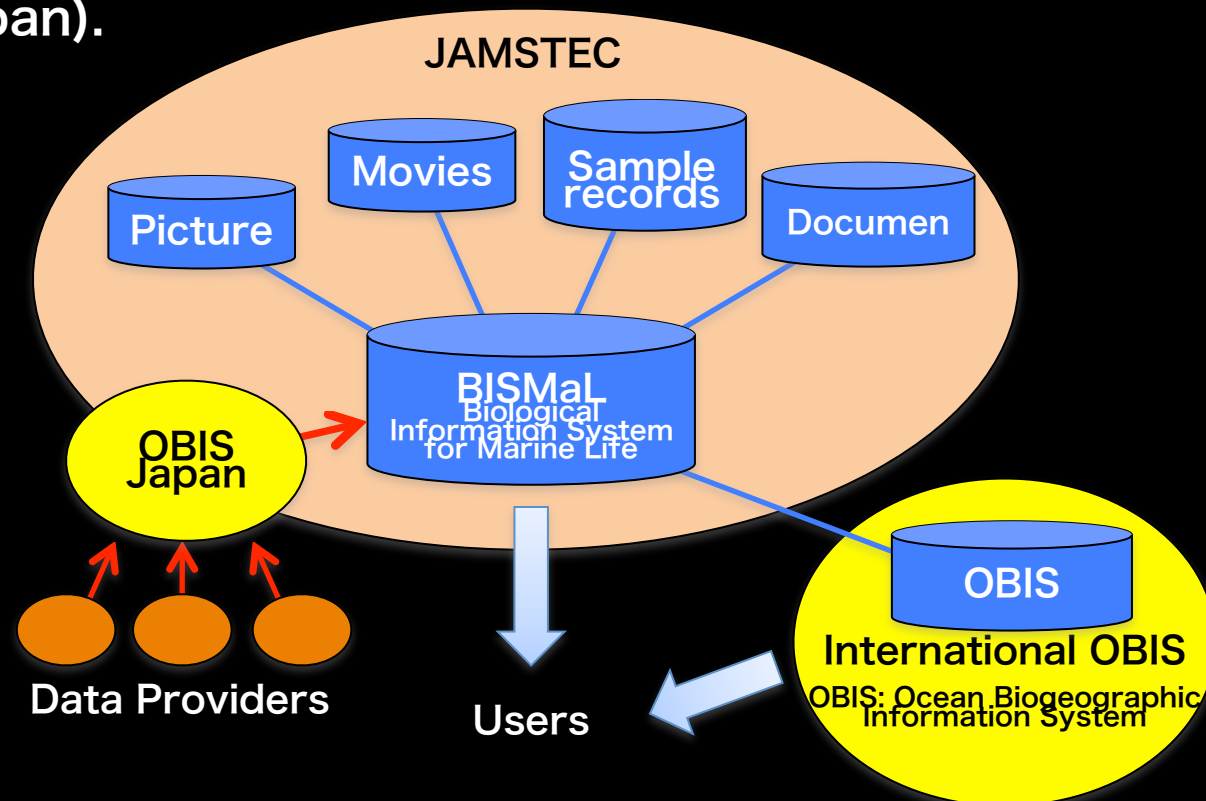


BISMaL から提供される情報 Information provided through BISMaL

それぞれの生物のページでは写真や解説、出現記録に基づく分布図を閲覧することができます。また、深海生物については映像も見ることもできます。In each taxon page, you can look photographs and distribution map based on occurrence and read explanation. Videos are also displayed for deep-sea species.

現在の BISMAL には JAMSTEC の調査・研究によって得られた深海生物の記録のみが登録されています。今後は Ocean Biogeographic Information System 日本ノード (OBIS Japan) と連携して、国内の情報を幅広く収集・公開していきます。

Currently, only records of deep-sea organisms collected through JAMSTEC's surveys/researches are registered to BISMAL. In future, JAMSTEC collects further data in Japan to fully cover all Japanese marine species and publishes them in the collaboration of Japan node of Ocean Biogeographic Information System (OBIS Japan).



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