

Fish4Knowledge Deliverable D3.4

Interfacing with FAO Ontologies

Principal Author: G. Nadarajan, Y.-H. Chen-Burger
Contributors: UEDIN Workflow
Dissemination: PU

Abstract: In this report, we describe our efforts in interfacing F4K's domain knowledge with the Food and Agricultural Organization of the United Nations (FAO) network of fisheries ontologies, as defined in the project proposal. The main purpose of the interface is to investigate the possibilities of reusing existing ontological initiatives for our project. Three aspects of the FAO's fisheries ontologies were relevant to F4K: (1) Fishing (Water) Areas; (2) Geopolitical Ontology (Land Areas); and (3) Species Ontology (Biological Entities). F4K's instances and classes that were relevant to F4K project but not found in the FAO ontologies were inserted into the respective FAO ontological structure, with relationships and properties inserted, as appropriate. The interfacing of fishing areas and land areas were relatively straightforward. For the biological entities, first the hierarchical concepts in F4K's Fish Database of Taiwan were mapped onto the equivalent concepts in the FAO's ontological concepts. Then the relevant species of F4K were identified within the FAO Species ontology and mapped accordingly. This work is the first step in integrating our work with existing standards in the ontological field.

Deliverable due: Month 8

Contents

1	Introduction	3
2	FAO Ontologies Overview	3
2.1	Fishing (Water) Areas	4
2.2	Geopolitical Ontology (Land Areas)	4
2.3	Species Ontology (Biological Entities)	5
3	Extensions to the Class <code>FAO_fishing_area</code>	7
3.1	Extension to Description of Usage	8
3.2	New instances of Object Properties	8
4	Extensions to the Class <code>Land_areas</code>	9
4.1	New instances of Object Properties	9
5	Extensions to the Class <code>Species_taxonomic</code>	10
6	Conclusions	12
	Appendix A: Extensions to Fishing Area (<code>water_FAO_areas.owl</code>)	13
	Appendix B: Extensions to Land Areas (<code>geopolitical.owl</code>)	15
	Appendix C: Mappings to the Class <code>Species</code> (<code>species_taxonomic_data.owl</code>)	17

1 Introduction

In this report, we describe our efforts in interfacing F4K domain information with the FAO network of fisheries ontologies. We identify the common interests between the FAO ontologies and the research interests of the F4K project. Where possible, we extend the existing FAO fisheries ontologies where it is relevant to the F4K project. The aim of this exercise is to investigate the possibility of reusing existing ontological standards and initiatives for our project. Our investigation has led to the extension of the FAO's Fishing area by four class instances and six object property instances and the FAO's Geopolitical ontology by three class instances and six object property instances. The FAO Species_taxonomy's subclasses were mapped to equivalent concepts in the F4K's Fish Database of Taiwan in order for the fish species to be interfaced. We begin by giving an overview of the FAO ontologies in Section 2, followed by the interfacing details of the relevant aspects (Sections 3–5). The findings of the interfacing exercise are concluded in Section 6. The underlying OWL/RDF triples of the extensions and the mappings are contained in Appendices A–C.

2 FAO Ontologies Overview

The FAO has produced a network of Fisheries Ontologies for the NeOn project [8]. The ontologies were described in the Web Ontology Language, OWL [6]. The ontologies were designed to describe the fisheries and aquaculture domain. Therefore, the FAO ontologies were investigated for common grounds with F4K and the overlapping concepts were integrated. The main FAO ontologies for the fisheries domain are the following:

1. Fishing areas: refers to water areas, such as seas and oceans of the world. Fishing areas consist of division of marine and inland water areas into major areas, sub-areas, divisions and sub-divisions.
2. Geopolitical ontology (land areas): relates individual countries associated with the fishing areas and fisheries statistics.
3. Species: taxonomic classification of biological species, maintained in the Aquatic Science and Fisheries Information System (ASFIS).
4. Fisheries commodities: include products derived from any aquatic animal and residues caught for commercial, industrial or subsistence uses.
5. Vessel types and size: used to assess fleet capacity.
6. Gear types: used in statistical collection to determine the fleet power.

Of these ontologies, only the first three were applicable to us. These three ontologies are described in more detail next.

2.1 Fishing (Water) Areas

This ontology has divided all the water areas of the world into specific fishing areas [1]. Marine and inland waters are divided into regions, or “FAO division areas” for the purpose of data collection and statistical reporting. The FAO division areas consist of major areas, divided into sub-areas, each divided into divisions, and these finally into subdivisions. This division of water areas forms a strict and complete hierarchy based on inclusion, or part-of. Fishing areas have names in natural language only at the area level, while internal divisions are given numeric names. The FAO code used for these areas is a taxonomic code. For example, the major area “Northwest Pacific” has code 61, which includes the water area related to F4K’s data, Taiwan. Figure 1 shows this major water area. Some water areas have sub-areas, which in turn may have sub-divisions.

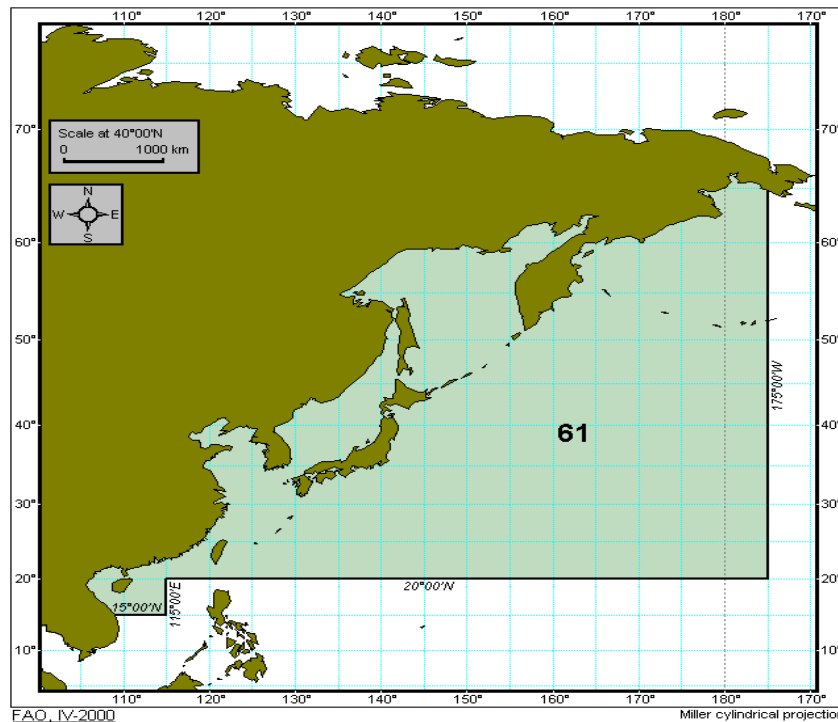


Figure 1: An example of FAO major fishing area: Northwest Pacific (FAO code 61).

2.2 Geopolitical Ontology (Land Areas)

Most fisheries statistics are on production and catch and are reported by individual countries. Data can then be aggregated above the national level into groups defined according to different criteria, such as geographic or economic unit. Continents, such as Africa and Asia, are typical geographical regions; the Caribbean Community (CARICOM), the Union Economique et Monetaire Ouest Africaine (UEMOA), and the Gulf Cooperation Council (GCC) are examples of economic regions. Codes used for land areas are the ISO-3166 ALPHA-2 [ISO2] and ALPHA-3 [ISO3] codes maintained by the International Standard Organization (ISO), and the M49 code maintained by the UN Statistical Division.

The geopolitical ontology[3] has been developed to facilitate data exchange and sharing in a standardised manner among systems managing information about countries and/or regions. It manages names in multiple languages (English, French, Spanish, Arabic, Chinese, Russian and Italian); maps standard coding systems (UN, ISO, FAOSTAT, AGROVOC, etc); provides relations among territories (land borders, group membership, etc); and tracks historical changes. The geopolitical ontology has been populated using FAO, UN and internationally recognised data sources. The geopolitical ontology manages the following information:

1. Area types:
 - Territories: self-governing, non-self-governing, disputed, other
 - Groups: geographic, economic, organizations, special groups
2. Data associated to areas:
 - Names (official, short and names for lists) in Arabic, Chinese, English, French, Spanish, Russian and Italian
 - International codes: UN code M49, ISO-3166 Alpha-2 and Alpha-3, UNDP code, GAUL code, FAOSTAT, AGROVOC and FAOTERM
 - Coordinates: maximum latitude, minimum latitude, maximum longitude, minimum longitude
 - DBPedia ID
 - Currency names and codes
 - Adjectives of nationality
 - Basic statistical data: country area, land area, agricultural land area, population and Gross Domestic Product (GDP)
3. Relations:
 - Groups membership
 - Land borders
 - Historic changes: predecessor, successor, valid since, valid until

2.3 Species Ontology (Biological Entities)

The Species ontology provides a hierarchy of biological entities related to the fisheries domain [2]. It makes references to the ASFIS standard. The hierarchy has two main classification systems:

- ISSCAAP¹ (9 divisions and 50 groups) to describe commercial group of species. The nine divisions include Freshwater fishes, Diadromous fishes, Marine fishes, Crustaceans (crabs, lobsters, crayfish, shrimp, krill and barnacles), Molluscs, Whales, seals and other aquatic mammals, Miscellaneous aquatic animals, Miscellaneous aquatic animal products and Aquatic plants.
- Taxonomic (129 families, 7 groups, and approx. 11 562 species) which maintains a list of species relevant to fisheries. Each species item has a 13-digit taxonomic code given by its ISSCAAP code, a taxonomic code, a 3-alpha code, and a scientific name.

¹International Standard Statistical Classification for Aquatic Animals and Plants.

The Taxonomic classification has been the most appropriate of the two as it contains the scientific names of fish species, which are also contained in the Fish Database of Taiwan [7, 9]. F4K's work is also largely based on Fish Base [4], largely dependent on Fish Base. However, both the FAO Species Ontology and the Fish Database of Taiwan differ in the ordering of the classes. The Taiwanese database follow the ordering (from highest to lowest) of *Class*, *Subclass*, *Order*, *Suborder*, *Family*, *Genus* and *Species*, while FAO's species ontology has the hierarchy (from highest to lowest) of **Group**, **Order**, **Family** and **Species**. The complete taxonomy for biological classification [5] has the following order (from highest to lowest): *Kingdom*, *Phylum*, *Subphylum*, *Superclass*, *Class*, *Subclass*, *Infraclass*, *Superorder*, *Order*, *Suborder*, *Family*, *Genus* and *Species*. All the levels in the Fish Database of Taiwanese correspond to a subset of the levels in the biological classification system (*i.e.* those with the same names). The 'Family' class in the FAO's species classification ontology corresponds to the entity 'Family' in the biological classification system. The class 'Order' in FAO's ontology corresponds to the entity 'Suborder' in the biological classification system. The remaining two classes ('Taxon' and 'Group') are independent from the biological classification and have their own interpretation. For example Group refers to seven groups in the marine world.

In the FAO's species ontology, every instance of a species, family or order is named according to an identifier. For example, the fish commonly known as "brown surgeonfish" is known as instance ID_31005_10150. Its family, "Acanthuridae" is the instance ID_31005_3264 and its suborder "Acanthuroidei" is the instance ID_31002_8039. Section 5 will show the corresponding mapping between F4K species and FAO's species ontology.

The next three subsections will now provide the interfacing details of the three FAO ontologies that are relevant to F4K's research interests.

3 Extensions to the Class `FAO_fishing_area`

Here we display the class hierarchy of `FAO_fishing_area`. We have extended four (sub)class descriptions under the class of `FAO_fishing_area`. We have also added six new instances to the `FAO_fishing_area` class, details as described in Table 1 below.

Table 1: Summary of extensions to the class `FAO_fishing_area`.

Subclass	Instance	Comments	Provenance	Status
Area		FAO divides the world water areas in several regions for statistical data collection and reporting purposes. The largest division is called “Major Fishing Area”. Currently, there are 27 Major Fishing Areas. They may be divided further into smaller areas, <i>i.e.</i> subarea, division and subdivision.	See the FAO definitions on Area, Subarea, Division and Subdivision at: http://www.fao.org/fishery/cwp/handbook/H/en	Extended class description on Area.
Area	northwest_pacific_FAO_fishing_area_61	At the time when this extension of the ontology is published, the Major Fishing Area of 61, including Taiwan, does not have an official breakdown of Subareas yet.	FAO Major Fishing Area 61: http://www.fao.org/fishery/area/Area61/en	New instance of Area.
Area	Taiwan	Taiwan and its surrounding water areas are defined in the <code>FAO_fishing_area</code> as “Pacific, Northwest (Major Fishing Area 61)”	Same as above.	New instance of Area.
Area	lanyu_island_Taiwan	Lanyu Island, also known as Orchid Island, is located in Phillippine Sea and south east of Taiwan. This is a marine observation site of F4K project.	EcoGrid, NCHC: http://ecogrid.nchc.org.tw/ ; News on Lan Yu observation site: http://www.narl.org.tw/en/news/news.php?news_id=438	New instance of Area.
Area	third_npp_Taiwan	This is a marine observation site that is outside of the 3rd Nuclear Power Plant, Taipower, Pingtung, Taiwan	EcoGrid, NCHC: http://ecogrid.nchc.org.tw/ ; Taipower: http://www.taipower.com.tw/indexE.htm	New instance of Area.
Area	hobihu_Taiwan	This is a marine observation site located at HoBiHu, PingTung, Taiwan	EcoGrid, NCHC: http://ecogrid.nchc.org.tw/	New instance of Area.
Area	NMMBA_Taiwan	This marine observation site is outside of National Museum of Marine Biology and Aquarium, PingTung, Taiwan	NMMBA: http://www.nmmba.gov.tw/english/Virtual/Multimedia_Tour/Navigation_360/360_Coral_01/MediaCoral_360_01	New instance of Area.
Subarea		Subarea is the first division of <code>FAO_fishing_area</code> .	http://www.fao.org/fishery/cwp/handbook/H/en	Extended class desc. on Subarea.
Division		Division is the 2nd division of <code>FAO_fishing_area</code> .	http://www.fao.org/fishery/cwp/handbook/H/en	Extended class desc. on Division
Subdivision		Subdivision is the 3rd division of <code>FAO_fishing_area</code> .	http://www.fao.org/fishery/cwp/handbook/H/en	Extended class desc. on Subdivision.

3.1 Extension to Description of Usage

Here we extend the description of one object property within the class `FAO_fishing_area`.

Table 2: Extension to the object property ‘isOfWaterType’.

Domain	ObjectProperty	Range	Comments	Provenance	Status
FAO_fishing_area	isOfWaterType	FAO_fishing_area	The <code>FAO_fishing_areas</code> are classified in two water types: inland and marine. Currently, 8 FAO fishing areas are classified as inland water type and 19 of them are classified as marine water type.	http://www.fao.org/fishery/area/Area61	Extended usage description

3.2 New instances of Object Properties

Here we add 6 new instances object properties, as described below.

Table 3: New object properties instances within `FAO_fishing_area`.

Domain	ObjectProperty	Range	Provenance	Status
northwest_pacific_FAO_fishing_area_61	isOfWaterType	marine	http://www.fao.org/fishery/area/Area61/en	new instance
Taiwan	isPartOf	northwest_pacific_FAO_fishing_area_61	http://www.fao.org/fishery/area/Area61/en	new instance
lanyu_island_Taiwan	isPartOf	Taiwan		new instance
third_npp-Taipower_Taiwan	isPartOf	Taiwan		new instance
hobihu	isPartOf	Taiwan		new instance
NMMBA_Taiwan	isPartOf	Taiwan	Location map: http://www.nmmba.gov.tw/english/Service/Location_Map	new instance

4 Extensions to the Class Land_areas

Land_areas is the main class of the Geopolitical Ontology. Here we added one new instance to the class self_governing and two instances to the class Economic_Region. We also introduce 6 new object properties.

Table 4: Summary of extensions to the class Land_Areas.

Class	Subclass	Instance	Comments	Provenance	Status
Territory	Self_governing	Taiwan	Taiwan is a self-governing country	http://aims.fao.org/aos/geopolitical.owl#self_governing	new instance
Group	Economic_region	EAC	East Asian Community (EAC) is an intergovernmental organisation involving countries in eastern and south east asia		new instance
Group	Economic_region	ASEAN	ASEAN is an economic organisation of the countries in south east asia	www.asean.org	new instance

4.1 New instances of Object Properties

Here we added 6 new object properties, as described below:

Table 5: New instances of object properties in the class Land_Areas.

Domain	Object property	Range	Comments	Provenance	Status
eastern_Asia	hasMember	Taiwan		http://aims.fao.org/aos/geopolitical.owl#hasMember	new instance.
Taiwan	isInGroup	eastern_Asia		http://aims.fao.org/aos/geopolitical.owl#isInGroup	new instance
EAC	hasMember	Taiwan		http://aims.fao.org/aos/geopolitical.owl#hasMember	new instance
Taiwan	isInGroup	EAC		http://aims.fao.org/aos/geopolitical.owl#isInGroup	new instance
World	hasMember	Taiwan		http://aims.fao.org/aos/geopolitical.owl#hasMember	new instance
Taiwan	isInGroup	World		http://aims.fao.org/aos/geopolitical.owl#isInGroup	new instance

5 Extensions to the Class *Species_taxonomic*

Species_taxonomic is the main class of FAO's Species Ontology. Image processing experts in the F4K project have identified 27 fish species that is the current focus of the Fish Classification team. These are given in Table 6².

As explained in Section 2.3, every instance of a species, family or order in the FAO's species ontology is named according to an identifier. For example, the fish commonly known as "brown surgeonfish" is known as instance ID_31005_10150. Its family, "Acanthuridae" is the instance ID_31005_3264 and its suborder "Acanthuroidei" is the instance ID_31002_8039.

The mapping between F4K's fish species with FAO's species ontology can be done by finding the matching classes between the two. We discovered that the class 'Order' in FAO's *Species_taxonomy* corresponds to the class 'Suborder' in the Fish Database of Taiwan, the class 'Family' corresponds to the class 'Family' in the Fish Database of Taiwan and the scientific name of an instance of the class 'Species' in *Species_taxonomic* corresponds to the Genus and Species name combined in the Fish Database of Taiwan. By finding the corresponding Taxonomic codes and instance names in FAO's ontology, we have interfaced F4K's fishes of interest with the existing species in FAO's *Species_taxonomic*. Not all the F4K's species of interest instances can be found in FAO's ontology, in this case, the ID of its parent is retrieved, *i.e.* a more general mapping is made at *Family* level. In Table 6, this is represented by IDs ending with (f). It can be concluded that 15 out of 27 fish species (approximately 56%) in F4K are not contained in FAO's species ontology. This is because the species items included in FAO's ASFIS list are selected according to their interest or relation to fisheries and aquaculture, which is not the case for these 15 fish species.

²Source: http://f4k.project.cwi.nl/labeling/results/labelresults.php?user_id=20. Last accessed: Nov 15th 2011

Table 6: 27 most common fishes identified for F4K project, their corresponding Taxonomic codes, instance names (IDs) in FAO's Species taxonomic class and FishBase IDs. FAO instance IDs ending with (f) denote a mapping at Family level for the fishes that cannot be found at species level.

No.	Scientific Name	Common Name(s)	FAO Taxonomic Code	FAO Instance (ID)	FishBase Instance ID
1	<i>Acanthurus nigrofuscus</i>	Brown surgeonfish	1740200414	ID_31005_10150	4739
2	<i>Acanthurus</i> sp.	Surgeonfishes Tangs Unicornfishes	17402XXXXX	ID_31005_3264	412
3	<i>Amphiprion clarkii</i>	Yellowtail clownfish Clark's anemonefish	17062XXXXX	ID_31003_7438 (f)	5448
4	<i>Anampses meleagrides</i>	Yellowtail Wrasse Spotted wrasse	17063XXXXX	ID_31005_3224 (f)	4889
5	<i>Balistapus undulatus</i>	Orange-lined triggerfish	1901000101	ID_31005_10702	6025
6	<i>Cantherhines dumerilii</i>	Whitespotted filefish	19009004XX	ID_31005_2566 (f)	5836
7	<i>Canthigaster valentini</i>	Valentini Pufferfish Valentin's sharpnose puffer	19002XXXXX	ID_31005_3374 (f)	6544
8	<i>Chaetodon speculum</i>	Mirror butterflyfish	17052XXXXX	ID_31005_3214 (f)	5576
9	<i>Chaetodon trifascialis</i>	Chevron butterflyfish	17052XXXXX	ID_31005_3214 (f)	5578
10	Chaetodontidae	Butterflyfishes	17052XXXXX	ID_31005_3214	343
11	<i>Chromis margaritifer</i>	Bicolor chromis	17062XXXXX	ID_31003_7438 (f)	5675
12	<i>Chlorurus bowersi</i>	Bower's parrotfish	17065XXXXX	ID_31005_2425 (f)	5542
13	<i>Ctenochaetus binotatus</i>	Twospot surgeonfish	1740202201	ID_31005_11644	6012
14	<i>Dascyllus reticulatus</i>	Two Stripe Damselfish	17062XXXXX	ID_31005_7438 (f)	5113
15	<i>Hemigymnus fasciatus</i>	Fiveband Wrasse Barred thicklip	1706344201	ID_31005_12605	5635
16	<i>Hemigymnus melapterus</i>	Blackeye thicklip Half & Half Wrasse Banner Wrasse	17063XXXXX	ID_31005_3224 (f)	5636
17	<i>Kyphosus cinerascens</i>	Blue sea chub Maldives rudder fish	1704703501	ID_31005_3210	5805
18	<i>Myripristis kuntee</i>	Shoulderbar soldierfish Pearly Soldierfish	16111XXXXX	ID_31005_3042 (f)	7306
19	<i>Ostracion cubicus</i>	Cube Boxfish Yellow boxfish	1900100101	ID_31005_13996	6555
20	<i>Plectorhinchus lessonii</i>	Striped Sweetlips Lesson's thicklip	199XXXXXXXX012	ID_31005_3063 (f)	50052
21	<i>Pomacentrus moluccensis</i>	Lemon damsel Yellow damsel	17062XXXXX	ID_31005_7438 (f)	5724
22	<i>Plectroglyphidodon dickii</i>	Blackbar devil Dick's damsel	17062XXXXX	ID_31005_7438	5709
23	<i>Stegastes fasciolatus</i>	Pacific gregory	1706202404	ID_31005_15435	4347
24	<i>Siganus fuscescens</i>	Black Rabbitfish Mottled spinefoot	1740700104	ID_31005_15286	4616
25	<i>Scolopsis lineata</i>	Striped monocle bream	17033230XX	ID_31005_2336 (f)	5877
26	Tetraodontidae	Pufferfish family	19002XXXXX	ID_31005_3374	448
27	<i>Zebrasoma scopas</i>	Scopas Tang Twotone Tang Brushtail Tang	17402XXXXX	ID_31005_3264 (f)	5951

6 Conclusions

We have interfaced FAO's network of fisheries ontologies with F4K in an attempt to make use of existing ontological initiatives. The FAO ontologies were examined for areas that were relevant to F4K's research interests. We discovered three main aspects that were relevant: 1) Fishing areas; 2) Land areas; and 3) Species (biological entities). Entities that were applicable to F4K (instances, classes and properties) were identified in the FAO ontologies. In some cases new instances were created to extend the FAO ontologies. In the case of interfacing the species, concepts which were taxonomically equivalent in the FAO ontology and the F4K's Fish Database of Taiwan were matched. Out of the 27 main fish species that were of interest to F4K, 12 could be mapped directly, while 15 others (approximately 56%) could not be found in the FAO's ASFIS list of species. Fish species that were not found in the FAO instances were mapped at *Family* level, *i.e.* at a more general level. These species are not related to fisheries and aquaculture. However, in due course the FAO ontologies could be enriched with fish species from F4K's database that are not present there already.

References

- [1] Food and Agriculture Organization of the United Nations (FAO). *CWP Handbook of Fishery Statistical Standards. Section H: Fishing Areas for Statistical Purposes*. 2011. <http://www.fao.org/fishery/cwp/handbook/H/en>.
- [2] Food and Agriculture Organization of the United Nations (FAO). *Fishery Fact Sheets Collections: ASFIS List of Species for Fishery Statistics Purposes*. 2011. <http://www.fao.org/fishery/collection/asfis/en>.
- [3] Food and Agriculture Organization of the United Nations (FAO). *Geopolitical Information*. 2011. <http://www.fao.org/countryprofiles/geoinfo.asp>.
- [4] Germany Leibniz Institute of Marine Sciences. *FishBase: A Global Information System on Fishes*. 2010. <http://www.fishbase.org>.
- [5] E. Mayr and W. J. Bock. Classifications and Other Ordering Systems. *Journal of Zoological Systematics and Evolutionary Research*, 40(4):169–194, 2002.
- [6] D. McGuinness and F. van Harmelen. *OWL Web Ontology Language*. World Wide Web Consortium (W3C), 2004. <http://www.w3.org/TR/owl-features>.
- [7] J. S. Nelson. *Fishes of the World*. John Wiley & Sons, 2006.
- [8] NeOn. *Networked Ontologies Project*. 2006-10. <http://www.neon-project.org>.
- [9] K. T. Shao. *Fish Database of Taiwan*. Research Center for Biodiversity Academia Sinica, 2011. <http://fishdb.sinica.edu.tw/>.

Appendix A: Extensions to Fishing Area (water_FAO_areas.owl)

```

<water_FAO_areas:Area rdf:about="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl#ID_22010_20">
<rdf:type rdf:resource="http://www.w3.org/2002/07/owl#Thing"/>
<rdfs:label xml:lang="en">NW Pacific</rdfs:label>
<rdfs:label xml:lang="es">Pac.noroeste</rdfs:label>
<rdfs:label xml:lang="fr">Pacifiq. N-O</rdfs:label>
<water_FAO_areas:hasMinLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">-180.00
</water_FAO_areas:hasMinLong>
<water_FAO_areas:hasMinLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">15.00
</water_FAO_areas:hasMinLat>
<water_FAO_areas:hasMaxLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">180.00
</water_FAO_areas:hasMaxLong>
<water_FAO_areas:hasID rdf:datatype="http://www.w3.org/2001/XMLSchema#string">20
</water_FAO_areas:hasID>
<water_FAO_areas:hasAreaSize rdf:datatype="http://www.w3.org/2001/XMLSchema#int">21563150
</water_FAO_areas:hasAreaSize>
<water_FAO_areas:hasMeta rdf:datatype="http://www.w3.org/2001/XMLSchema#string">22010
</water_FAO_areas:hasMeta>
<water_FAO_areas:hasCodeFAO rdf:datatype="http://www.w3.org/2001/XMLSchema#string">61
</water_FAO_areas:hasCodeFAO>
<water_FAO_areas:hasMaxLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">66.50
</water_FAO_areas:hasMaxLat>
<water_FAO_areas:hasNameEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">NW Pacific
</water_FAO_areas:hasNameEN>
<water_FAO_areas:hasNameES rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Pac.
noroeste</water_FAO_areas:hasNameES>
<water_FAO_areas:hasNameFR rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Pacifiq.
N-O</water_FAO_areas:hasNameFR>
<water_FAO_areas:isOfWaterType rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#Marine"/>
</water_FAO_areas:Area>

<water_FAO_areas:Area rdf:about="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl#Taiwan">
<rdf:type rdf:resource="http://www.w3.org/2002/07/owl#Thing"/>
<rdfs:label xml:lang="en">Taiwan</rdfs:label>
<water_FAO_areas:hasMinLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">-180.00
</water_FAO_areas:hasMinLong>
<water_FAO_areas:hasMinLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">15.00
</water_FAO_areas:hasMinLat>
<water_FAO_areas:hasMaxLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">180.00
</water_FAO_areas:hasMaxLong>
<water_FAO_areas:hasID rdf:datatype="http://www.w3.org/2001/XMLSchema#string">20
</water_FAO_areas:hasID>
<water_FAO_areas:hasAreaSize rdf:datatype="http://www.w3.org/2001/XMLSchema#int">21563150
</water_FAO_areas:hasAreaSize>
<water_FAO_areas:hasMeta rdf:datatype="http://www.w3.org/2001/XMLSchema#string">22010
</water_FAO_areas:hasMeta>
<water_FAO_areas:hasCodeFAO rdf:datatype="http://www.w3.org/2001/XMLSchema#string">61
</water_FAO_areas:hasCodeFAO>
<water_FAO_areas:hasMaxLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">66.50
</water_FAO_areas:hasMaxLat>
<water_FAO_areas:hasNameEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Taiwan
</water_FAO_areas:hasNameEN>
<water_FAO_areas:isOfWaterType rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#Marine"/>
<water_FAO_areas:isPartOf rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#ID_22010_20"/>
</water_FAO_areas:Area>

<water_FAO_areas:Area rdf:about="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl#lanyu_IslandTaiwan">
<rdf:type rdf:resource="http://www.w3.org/2002/07/owl#Thing"/>
<rdfs:label xml:lang="en">lanyu_Island_Taiwan</rdfs:label>
<water_FAO_areas:hasMinLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">-180.00
</water_FAO_areas:hasMinLong>
<water_FAO_areas:hasMinLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">15.00
</water_FAO_areas:hasMinLat>
<water_FAO_areas:hasMaxLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">180.00
</water_FAO_areas:hasMaxLong>

```

```

<water_FAO_areas:hasID rdf:datatype="http://www.w3.org/2001/XMLSchema#string">20
</water_FAO_areas:hasID>
<water_FAO_areas:hasAreaSize rdf:datatype="http://www.w3.org/2001/XMLSchema#int">21563150
</water_FAO_areas:hasAreaSize>
<water_FAO_areas:hasMeta rdf:datatype="http://www.w3.org/2001/XMLSchema#string">22010
</water_FAO_areas:hasMeta>
<water_FAO_areas:hasCodeFAO rdf:datatype="http://www.w3.org/2001/XMLSchema#string">61
</water_FAO_areas:hasCodeFAO>
<water_FAO_areas:hasMaxLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">66.50
</water_FAO_areas:hasMaxLat>
<water_FAO_areas:hasNameEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">lanyu_Island_
Taiwan</water_FAO_areas:hasNameEN>
<water_FAO_areas:isOfWaterType rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#Marine"/>
<water_FAO_areas:isPartOf rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#Taiwan"/>
</water_FAO_areas:Area>

<water_FAO_areas:Area rdf:about="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl#third_npp_
Taipower_Taiwan"
<rdf:type rdf:resource="http://www.w3.org/2002/07/owl#Thing"/>
<rdfs:label xml:lang="en">third_npp_Taipower_Taiwan</rdfs:label>
<water_FAO_areas:hasMinLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">-180.00
</water_FAO_areas:hasMinLong>
<water_FAO_areas:hasMinLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">15.00
</water_FAO_areas:hasMinLat>
<water_FAO_areas:hasMaxLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">180.00
</water_FAO_areas:hasMaxLong>
<water_FAO_areas:hasID rdf:datatype="http://www.w3.org/2001/XMLSchema#string">20
</water_FAO_areas:hasID>
<water_FAO_areas:hasAreaSize rdf:datatype="http://www.w3.org/2001/XMLSchema#int">21563150
</water_FAO_areas:hasAreaSize>
<water_FAO_areas:hasMeta rdf:datatype="http://www.w3.org/2001/XMLSchema#string">22010
</water_FAO_areas:hasMeta>
<water_FAO_areas:hasCodeFAO rdf:datatype="http://www.w3.org/2001/XMLSchema#string">61
</water_FAO_areas:hasCodeFAO>
<water_FAO_areas:hasMaxLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">66.50
</water_FAO_areas:hasMaxLat>
<water_FAO_areas:hasNameEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">third_npp_Tai
power_Taiwan</water_FAO_areas:hasNameEN>
<water_FAO_areas:isOfWaterType rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#Marine"/>
<water_FAO_areas:isPartOf rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#Taiwan"/>
</water_FAO_areas:Area>

<water_FAO_areas:Area rdf:about="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl#hobihu_Taiwan"
<rdf:type rdf:resource="http://www.w3.org/2002/07/owl#Thing"/>
<rdfs:label xml:lang="en">hobihu_Taiwan</rdfs:label>
<water_FAO_areas:hasMinLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">-180.00
</water_FAO_areas:hasMinLong>
<water_FAO_areas:hasMinLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">15.00
</water_FAO_areas:hasMinLat>
<water_FAO_areas:hasMaxLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">180.00
</water_FAO_areas:hasMaxLong>
<water_FAO_areas:hasID rdf:datatype="http://www.w3.org/2001/XMLSchema#string">20
</water_FAO_areas:hasID>
<water_FAO_areas:hasAreaSize rdf:datatype="http://www.w3.org/2001/XMLSchema#int">21563150
</water_FAO_areas:hasAreaSize>
<water_FAO_areas:hasMeta rdf:datatype="http://www.w3.org/2001/XMLSchema#string">22010
</water_FAO_areas:hasMeta>
<water_FAO_areas:hasCodeFAO rdf:datatype="http://www.w3.org/2001/XMLSchema#string">61
</water_FAO_areas:hasCodeFAO>
<water_FAO_areas:hasMaxLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">66.50
</water_FAO_areas:hasMaxLat>
<water_FAO_areas:hasNameEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">hobihu_Taiwan
</water_FAO_areas:hasNameEN>
<water_FAO_areas:isOfWaterType rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#Marine"/>
<water_FAO_areas:isPartOf rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl

```

```

#Taiwan"/>
</water_FAO_areas:Area>

<water_FAO_areas:Area rdf:about="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl#NMMBA_Taiwan">
<rdf:type rdf:resource="http://www.w3.org/2002/07/owl#Thing"/>
<rdfs:label xml:lang="en">NMMBA_Taiwan</rdfs:label>
<water_FAO_areas:hasMinLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">-180.00
</water_FAO_areas:hasMinLong>
<water_FAO_areas:hasMinLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">15.00
</water_FAO_areas:hasMinLat>
<water_FAO_areas:hasMaxLong rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">180.00
</water_FAO_areas:hasMaxLong>
<water_FAO_areas:hasID rdf:datatype="http://www.w3.org/2001/XMLSchema#string">20
</water_FAO_areas:hasID>
<water_FAO_areas:hasAreaSize rdf:datatype="http://www.w3.org/2001/XMLSchema#int">21563150
</water_FAO_areas:hasAreaSize>
<water_FAO_areas:hasMeta rdf:datatype="http://www.w3.org/2001/XMLSchema#string">22010
</water_FAO_areas:hasMeta>
<water_FAO_areas:hasCodeFAO rdf:datatype="http://www.w3.org/2001/XMLSchema#string">61
</water_FAO_areas:hasCodeFAO>
<water_FAO_areas:hasMaxLat rdf:datatype="http://www.w3.org/2001/XMLSchema#decimal">66.50
</water_FAO_areas:hasMaxLat>
<water_FAO_areas:hasNameEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">NMMBA_Taiwan
</water_FAO_areas:hasNameEN>
<water_FAO_areas:isOfWaterType rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#Marine"/>
<water_FAO_areas:isPartOf rdf:resource="http://www.fao.org/aims/aos/fi/water_FAO_areas.owl
#Taiwan"/>
</water_FAO_areas:Area>

```

Appendix B: Extensions to Land Areas (geopolitical.owl)

```

<rdf:RDF xml:base="http://aims.fao.org/aos/geopolitical.owl">

<owl:Ontology rdf:about="">
<dcterms:modified rdf:datatype="http://www.w3.org/2001/XMLSchema#string">2011-08-11</dcterms:modified>
<owl:versionInfo xml:lang="en">version 1.1</owl:versionInfo>

<rdfs:comment rdf:datatype="http://www.w3.org/2001/XMLSchema#string">
  prior version : " http://aims.fao.org/aos/geopolitical_v10.owl"
</rdfs:comment>

<rdfs:comment rdf:datatype="http://www.w3.org/2001/XMLSchema#string">
FAO DISCLAIMER: Information on the FAO Country Profiles portal is provided as and when available.
The designations employed and the presentation of information do not imply the expression of any
opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations (FAO)
concerning the legal status of any country, territory, city or area, or of its authorities, or
concerning the delimitation of its frontiers or boundaries. FAO makes every effort to ensure, but
does not guarantee, the accuracy or completeness of and declines responsibility for any loss,
damage, liability or expense suffered which is claimed to result from its use.
</rdfs:comment>

<rdfs:comment rdf:datatype="http://www.w3.org/2001/XMLSchema#string">
FAO's geopolitical ontology version 1.1 was populated with FAO, UN and internationally recognized
data sources.
</rdfs:comment>

<rdfs:comment rdf:datatype="http://www.w3.org/2001/XMLSchema#string">
The use of the information presented on the FAO Country Profiles portal is governed by FAO's
copyright reservation. Any queries regarding the content, sources or use, please contact
FAO-country-profiles@fao.org or visit http://www.fao.org/countryprofiles.
</rdfs:comment>

<rdfs:comment rdf:datatype="http://www.w3.org/2001/XMLSchema#string">
Version 1.1 of the ontology includes a structured description of sources (source creator, source
identifier by language, and last updated date on source) .

```

```

</rdfs:comment>
</owl:Ontology>

<self_governing rdf:ID="Taiwan">

</self_governing>

<economic_region rdf:ID="EAC">
<dcterms:source rdf:datatype="http://www.w3.org/2001/XMLSchema#string">EAC http://www.eastasia
forum.org/</dcterms:source>
<hasMember rdf:resource="#China"/>
<hasMember rdf:resource="#Democratic_People_s_Republic_of_Korea_the"/>
<hasMember rdf:resource="#Japan"/>
<hasMember rdf:resource="#Mongolia"/>
<hasMember rdf:resource="#Republic_of_Korea__the"/>
<hasMember rdf:resource="#Taiwan"/>
<hasMember rdf:resource="#Brunei_Darussalam"/>
<hasMember rdf:resource="#Cambodia"/>
<hasMember rdf:resource="#Indonesia"/>
<hasMember rdf:resource="#Lao_People_s_Democratic_Republic__the"/>
<hasMember rdf:resource="#Malaysia"/>
<hasMember rdf:resource="#Myanmar"/>
<hasMember rdf:resource="#Philippines__the"/>
<hasMember rdf:resource="#Singapore"/>
<hasMember rdf:resource="#Thailand"/>
<hasMember rdf:resource="#Viet_Nam"/>

<nameListEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">East Asian Community
</nameListEN>
<nameOfficialEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">East Asian Community
</nameOfficialEN>

<nameShortEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">EAC</nameShortEN>
<sourceCreator rdf:datatype="http://www.w3.org/2001/XMLSchema#string">EAC</sourceCreator>

<sourceIdentifier xml:lang="en">http://www.eastasiaforum.org/</sourceIdentifier>
<sourceModified rdf:datatype="http://www.w3.org/2001/XMLSchema#string">2011-11-25</sourceModified>
<validSince rdf:datatype="http://www.w3.org/2001/XMLSchema#int">2009</validSince>
<validUntil rdf:datatype="http://www.w3.org/2001/XMLSchema#int">9999</validUntil>
</economic_region>

<economic_region rdf:ID="ASEAN">
<dcterms:source rdf:datatype="http://www.w3.org/2001/XMLSchema#string">ASEAN http://www.asean.org/
</dcterms:source>
<hasMember rdf:resource="#Brunei_Darussalam"/>
<hasMember rdf:resource="#Cambodia"/>
<hasMember rdf:resource="#Indonesia"/>
<hasMember rdf:resource="#Lao_People_s_Democratic_Republic__the"/>
<hasMember rdf:resource="#Malaysia"/>
<hasMember rdf:resource="#Myanmar"/>
<hasMember rdf:resource="#Philippines__the"/>
<hasMember rdf:resource="#Singapore"/>
<hasMember rdf:resource="#Thailand"/>
<hasMember rdf:resource="#Viet_Nam"/>

<nameListEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Association of Southeast
Asian Nations</nameListEN>
<nameOfficialEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Association of Southeast
Asian Nations</nameOfficialEN>

<nameShortEN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">ASEAN</nameShortEN>
<sourceCreator rdf:datatype="http://www.w3.org/2001/XMLSchema#string">ASEAN</sourceCreator>

<sourceIdentifier xml:lang="en">http://www.asean.org/</sourceIdentifier>
<sourceModified rdf:datatype="http://www.w3.org/2001/XMLSchema#string">2011-11-25</sourceModified>
<validSince rdf:datatype="http://www.w3.org/2001/XMLSchema#int">1967</validSince>

```



```

<validUntil rdf:datatype="http://www.w3.org/2001/XMLSchema#int">9999</validUntil>
</economic_region>

<geographical_region rdf:ID="eastern_Asia">
<codeAGROVOC rdf:datatype="http://www.w3.org/2001/XMLSchema#string">29171</codeAGROVOC>
<codeFAOSTAT rdf:datatype="http://www.w3.org/2001/XMLSchema#string">5302</codeFAOSTAT>
<codeFAOTERM rdf:datatype="http://www.w3.org/2001/XMLSchema#string">15203</codeFAOTERM>
<codeUN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">030</codeUN>
<hasMember rdf:resource="#China"/>
<hasMember rdf:resource="#Democratic_People_s_Republic_of_Korea_the"/>
<hasMember rdf:resource="#Japan"/>
<hasMember rdf:resource="#Mongolia"/>
<hasMember rdf:resource="#Republic_of_Korea__the"/>
<hasMember rdf:resource="#Taiwan"/>

</geographical_region>

<special_group rdf:ID="World">
<codeAGROVOC rdf:datatype="http://www.w3.org/2001/XMLSchema#string">24920</codeAGROVOC>
<codeFAOSTAT rdf:datatype="http://www.w3.org/2001/XMLSchema#string">5000</codeFAOSTAT>
<codeFAOTERM rdf:datatype="http://www.w3.org/2001/XMLSchema#string">84960</codeFAOTERM>
<codeUN rdf:datatype="http://www.w3.org/2001/XMLSchema#string">001</codeUN>

<dcterms:source rdf:datatype="http://www.w3.org/2001/XMLSchema#string">
United Nations Statistics Department http://unstats.un.org/unsd/methods/m49/m49regin.htm
</dcterms:source>
<hasMember rdf:resource="#Taiwan"/>

</special_group>

</rdf>

```

Appendix C: Mappings to the Class Species (species_taxonomic_data.owl)

```

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_10150">
<taxonomic:hasNameFullES/>
<taxonomic:hasID>10150</taxonomic:hasID>
<taxonomic:hasNameLongES/>
<taxonomic:hasCodeTaxonomic>1740200414</taxonomic:hasCodeTaxonomic>
<taxonomic:hasNameFR/>
<taxonomic:hasNameFullEN>Brown surgeonfish</taxonomic:hasNameFullEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8039"/>
<taxonomic:hasNameEN>Brown surgeonfish</taxonomic:hasNameEN>
<taxonomic:hasNameScientific>Acanthurus nigrofuscus</taxonomic:hasNameScientific>
<taxonomic:hasNameFullFR/>
<taxonomic:hasNameES/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7193"/>
<taxonomic:hasNameLongEN>Brown surgeonfish</taxonomic:hasNameLongEN>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasCodeAlpha3>AQN</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameLongFR/>
<rdfs:label xml:lang="en">Brown surgeonfish</rdfs:label>
<rdfs:label xml:lang="fr"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<rdfs:label xml:lang="es"/>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7193"/>

```

```

</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_3246">
<taxonomic:hasNameFullFR>Crocodile de Gorgie</taxonomic:hasNameFullFR>
<taxonomic:hasNameLongES>Draco cocodrilo</taxonomic:hasNameLongES>
<rdfs:label xml:lang="fr">Crocodile de Gor</rdfs:label>
<taxonomic:hasNameFullEN>South Georgia icefish</taxonomic:hasNameFullEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31003_7092"/>
<taxonomic:hasNameEN>South Georgia icef</taxonomic:hasNameEN>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31003_7092"/>
<taxonomic:hasCodeTaxonomic>1709441801</taxonomic:hasCodeTaxonomic>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31002_8037"/>
<taxonomic:hasID>3246</taxonomic:hasID>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_32001_1412"/>
<taxonomic:hasCodeAlpha3>SGI</taxonomic:hasCodeAlpha3>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_39999_31101"/>
<taxonomic:hasNameES>Draco cocodrilo</taxonomic:hasNameES>
<rdfs:label xml:lang="en">South Georgia icef</rdfs:label>
<taxonomic:hasNameFR>Crocodile de Gor</taxonomic:hasNameFR>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31001_8501"/>
<rdfs:label xml:lang="es">Draco cocodrilo</rdfs:label>
<taxonomic:hasNameFullES>Draco cocodrilo</taxonomic:hasNameFullES>
<taxonomic:hasNameScientific>Pseudochaenichthys georgianus</taxonomic:hasNameScientific>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_39999_31103"/>
<taxonomic:hasNameLongFR>Crocodile de Gorgie</taxonomic:hasNameLongFR>
<taxonomic:hasNameLongEN>South Georgia icefish</taxonomic:hasNameLongEN>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7438">
<taxonomic:hasNameFullES/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11407"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14500"/>
<taxonomic:hasCodeTaxonomic>17062</taxonomic:hasCodeTaxonomic>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15611"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14498"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11781"/>
<taxonomic:hasMeta>31003</taxonomic:hasMeta>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10112"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11392"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10325"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14200"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_12596"/>
<taxonomic:hasNameFR/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_12825"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11392"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13113"/>
<rdfs:label xml:lang="en"/>
<rdfs:label xml:lang="es"/>

```

```
<rdfs:label xml:lang="fr"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13729"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14200"/>
<taxonomic:hasCodeAlpha3/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11781"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10351"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13751"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14430"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_12825"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15434"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15435"/>
<taxonomic:hasNameFullFR/>
<taxonomic:hasNameES/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31002_8037"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13389"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11406"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_12596"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13775"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14545"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13113"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11395"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10331"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10111"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14499"/>
<taxonomic:hasNameLongFR/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11405"/>
<taxonomic:hasNameFullEN/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15611"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10681"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10112"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14580"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13751"/>
<taxonomic:hasNameScientific>POMACENTRIDAE</taxonomic:hasNameScientific>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15436"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11407"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15434"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11911"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15435"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
```

```
#ID_31001_8501"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11391"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10352"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10325"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14580"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13470"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14545"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15323"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10129"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13729"/>
<taxonomic:hasID>7438</taxonomic:hasID>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11911"/>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Family"/>
<taxonomic:hasNameEN/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10129"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11308"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15433"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13775"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11395"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11393"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11394"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14498"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_15323"/>
<taxonomic:hasNameLongEN/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11308"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10111"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14499"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11393"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11782"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11394"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_14500"/>
<taxonomic:hasNameLongES/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13389"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11406"/>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31002_8037"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_13470"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_11391"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31005_10331"/>
```

```

<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_10351"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_14430"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_15436"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_11405"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_10681"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_15433"/>
<taxonomic:hasDirectLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_11782"/>
<taxonomic:hasLowerRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_10352"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_3224">
<taxonomic:hasNameFR>Pourceaux, donzell</taxonomic:hasNameFR>
<rdfs:label xml:lang="fr">Pourceaux, donzell</rdfs:label>
<taxonomic:hasNameEN>Wrasses, hogfishes</taxonomic:hasNameEN>
<taxonomic:hasNameLongFR>Pourceaux, donzelles, etc. nca</taxonomic:hasNameLongFR>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<taxonomic:hasNameFullES>Lbridos (=Tordos, maragotas) nep</taxonomic:hasNameFullES>
<taxonomic:hasNameFullFR>Pourceaux, donzelles, etc. nca</taxonomic:hasNameFullFR>
<taxonomic:hasID>3224</taxonomic:hasID>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8037"/>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7085"/>
<taxonomic:hasNameES>Lbridos (=Tordos, </taxonomic:hasNameES>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31103"/>
<taxonomic:hasNameLongEN>Wrasses, hogfishes, etc. nei</taxonomic:hasNameLongEN>
<taxonomic:hasCodeAlpha3>WRA</taxonomic:hasCodeAlpha3>
<rdfs:label xml:lang="es">Lbridos (=Tordos, </rdfs:label>
<taxonomic:hasNameFullEN>Wrasses, hogfishes, etc. nei</taxonomic:hasNameFullEN>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasNameScientific>Labridae</taxonomic:hasNameScientific>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31101"/>
<taxonomic:hasCodeTaxonomic>17063XXXXX</taxonomic:hasCodeTaxonomic>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasNameLongES>Lbridos (=Tordos, maragotas) nep</taxonomic:hasNameLongES>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<rdfs:label xml:lang="en">Wrasses, hogfishes</rdfs:label>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7085"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_10702">
<rdfs:label xml:lang="en">Orange-lined trig</rdfs:label>
<taxonomic:hasNameLongEN>Orange-lined triggerfish</taxonomic:hasNameLongEN>
<taxonomic:hasNameScientific>Balistapus undulatus</taxonomic:hasNameScientific>
<taxonomic:hasNameEN>Orange-lined trig</taxonomic:hasNameEN>
<taxonomic:hasNameES/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8046"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7226"/>
<taxonomic:hasNameFullFR/>
<taxonomic:hasNameLongES/>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7226"/>
<taxonomic:hasID>10702</taxonomic:hasID>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl

```

```

#ID_31001_8501"/>
<rdfs:label xml:lang="fr"/>
<rdfs:label xml:lang="es"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasNameFR/>
<taxonomic:hasNameFullES/>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasCodeTaxonomic>1901000101</taxonomic:hasCodeTaxonomic>
<taxonomic:hasNameFullEN>Orange-lined triggerfish</taxonomic:hasNameFullEN>
<taxonomic:hasNameLongFR/>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasCodeAlpha3>BID</taxonomic:hasCodeAlpha3>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_2566">
<taxonomic:hasNameLongFR>Bourses nca</taxonomic:hasNameLongFR>
<taxonomic:hasNameFullEN>Filefishes nei</taxonomic:hasNameFullEN>
<taxonomic:hasCodeAlpha3>FLF</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameLongES>Cachas nep</taxonomic:hasNameLongES>
<taxonomic:hasCodeTaxonomic>19009004XX</taxonomic:hasCodeTaxonomic>
<taxonomic:hasID>2566</taxonomic:hasID>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31101"/>
<taxonomic:hasNameFullFR>Bourses nca</taxonomic:hasNameFullFR>
<taxonomic:hasNameFullES>Cachas nep</taxonomic:hasNameFullES>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31103"/>
<taxonomic:hasNameFR>Bourses nca</taxonomic:hasNameFR>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7535"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasNameScientific>Cantherhines (=Navodon) spp</taxonomic:hasNameScientific>
<rdfs:label xml:lang="es">Cachas nep</rdfs:label>
<rdfs:label xml:lang="en">Filefishes nei</rdfs:label>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<taxonomic:hasNameEN>Filefishes nei</taxonomic:hasNameEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31102"/>
<rdfs:label xml:lang="fr">Bourses nca</rdfs:label>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7535"/>
<taxonomic:hasNameES>Cachas nep</taxonomic:hasNameES>
<taxonomic:hasNameLongEN>Filefishes nei</taxonomic:hasNameLongEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8046"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_3374">
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasCodeTaxonomic>19002XXXXX</taxonomic:hasCodeTaxonomic>
<rdfs:label xml:lang="en">Puffers nei</rdfs:label>
<rdfs:label xml:lang="fr">Compres nca</rdfs:label>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8046"/>
<taxonomic:hasNameEN>Puffers nei</taxonomic:hasNameEN>
<taxonomic:hasNameLongEN>Puffers nei</taxonomic:hasNameLongEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31103"/>
<rdfs:label xml:lang="es">Tamboriles nep</rdfs:label>
<taxonomic:hasNameFullEN>Puffers nei</taxonomic:hasNameFullEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasID>3374</taxonomic:hasID>
<taxonomic:hasNameScientific>Tetraodontidae</taxonomic:hasNameScientific>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl

```

```

#ID_39999_31102"/>
<taxonomic:hasNameFullFR>Compres nca</taxonomic:hasNameFullFR>
<taxonomic:hasNameLongFR>Compres nca</taxonomic:hasNameLongFR>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7227"/>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasNameFR>Compres nca</taxonomic:hasNameFR>
<taxonomic:hasCodeAlpha3>PUX</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameFullES>Tamboriles nep</taxonomic:hasNameFullES>
<taxonomic:hasNameLongES>Tamboriles nep</taxonomic:hasNameLongES>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7227"/>
<taxonomic:hasNameES>Tamboriles nep</taxonomic:hasNameES>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31101"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_3214">
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<rdfs:label xml:lang="fr">Papillons</rdfs:label>
<taxonomic:hasNameEN>Butterflyfishes</taxonomic:hasNameEN>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7083"/>
<taxonomic:hasNameFullEN>Butterflyfishes</taxonomic:hasNameFullEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7083"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8037"/>
<taxonomic:hasNameLongFR>Papillons</taxonomic:hasNameLongFR>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasID>3214</taxonomic:hasID>
<taxonomic:hasNameES>Pescados mariposa</taxonomic:hasNameES>
<taxonomic:hasNameLongEN>Butterflyfishes</taxonomic:hasNameLongEN>
<taxonomic:hasNameFullES>Pescados mariposa</taxonomic:hasNameFullES>
<rdfs:label xml:lang="es">Pescados mariposa</rdfs:label>
<taxonomic:hasCodeAlpha3>BUS</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameScientific>Chaetodontidae</taxonomic:hasNameScientific>
<taxonomic:hasNameFR>Papillons</taxonomic:hasNameFR>
<taxonomic:hasNameLongES>Pescados mariposa</taxonomic:hasNameLongES>
<taxonomic:hasCodeTaxonomic>17052XXXXX</taxonomic:hasCodeTaxonomic>
<taxonomic:hasNameFullFR>Papillons</taxonomic:hasNameFullFR>
<rdfs:label xml:lang="en">Butterflyfishes</rdfs:label>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_2425">
<taxonomic:hasCodeAlpha3>PWT</taxonomic:hasCodeAlpha3>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31103"/>
<rdfs:label xml:lang="en">Parrotfishes nei</rdfs:label>
<taxonomic:hasNameFullEN>Parrotfishes nei</taxonomic:hasNameFullEN>
<taxonomic:hasID>2425</taxonomic:hasID>
<taxonomic:hasCodeTaxonomic>17065XXXXX</taxonomic:hasCodeTaxonomic>
<taxonomic:hasNameLongEN>Parrotfishes nei</taxonomic:hasNameLongEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<taxonomic:hasNameLongES>Loros nep</taxonomic:hasNameLongES>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7086"/>
<taxonomic:hasNameScientific>Scaridae</taxonomic:hasNameScientific>
<taxonomic:hasNameES>Loros nep</taxonomic:hasNameES>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8037"/>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<rdfs:label xml:lang="fr">Perroquets nca</rdfs:label>

```

```

<rdfs:label xml:lang="es">Loros nep</rdfs:label>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31101"/>
<taxonomic:hasNameFullFR>Perroquets nca</taxonomic:hasNameFullFR>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasNameFR>Perroquets nca</taxonomic:hasNameFR>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7086"/>
<taxonomic:hasNameEN>Parrotfishes nei</taxonomic:hasNameEN>
<taxonomic:hasNameFullES>Loros nep</taxonomic:hasNameFullES>
<taxonomic:hasNameLongFR>Perroquets nca</taxonomic:hasNameLongFR>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_11644">
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<taxonomic:hasNameFullEN>Twospot surgeonfish</taxonomic:hasNameFullEN>
<taxonomic:hasNameFR/>
<taxonomic:hasNameLongFR/>
<taxonomic:hasID>11644</taxonomic:hasID>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<rdfs:label xml:lang="es"/>
<rdfs:label xml:lang="fr"/>
<taxonomic:hasNameES/>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasNameLongEN>Twospot surgeonfish</taxonomic:hasNameLongEN>
<taxonomic:hasNameScientific>Ctenochaetus binotatus</taxonomic:hasNameScientific>
<taxonomic:hasCodeTaxonomic>1740202201</taxonomic:hasCodeTaxonomic>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasNameFullFR/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8039"/>
<taxonomic:hasCodeAlpha3>TKB</taxonomic:hasCodeAlpha3>
<rdfs:label xml:lang="en">Twospot surgeonfis</rdfs:label>
<taxonomic:hasNameFullES/>
<taxonomic:hasNameLongES/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7193"/>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7193"/>
<taxonomic:hasNameEN>Twospot surgeonfis</taxonomic:hasNameEN>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_12605">
<taxonomic:hasNameES/>
<rdfs:label xml:lang="fr"/>
<taxonomic:hasNameFR/>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7085"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8037"/>
<taxonomic:hasNameFullES/>
<taxonomic:hasNameFullFR/>
<taxonomic:hasID>12605</taxonomic:hasID>
<taxonomic:hasCodeTaxonomic>1706344201</taxonomic:hasCodeTaxonomic>
<taxonomic:hasNameEN>Barred thicklip</taxonomic:hasNameEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7085"/>
<taxonomic:hasNameLongES/>
<taxonomic:hasNameScientific>Hemigymnus fasciatus</taxonomic:hasNameScientific>
<taxonomic:hasNameLongEN>Barred thicklip</taxonomic:hasNameLongEN>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>

```



```

<rdfs:label xml:lang="en">Barred thicklip</rdfs:label>
<taxonomic:hasNameLongFR/>
<taxonomic:hasCodeAlpha3>HGF</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameFullEN>Barred thicklip</taxonomic:hasNameFullEN>
<rdfs:label xml:lang="es"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_3210">
<taxonomic:hasNameLongEN>Blue sea chub</taxonomic:hasNameLongEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<taxonomic:hasNameFullFR>Calicagre bleue</taxonomic:hasNameFullFR>
<rdfs:label xml:lang="en">Blue sea chub</rdfs:label>
<taxonomic:hasNameScientific>Kyphosus cinerascens</taxonomic:hasNameScientific>
<rdfs:label xml:lang="es">Chopa azul</rdfs:label>
<taxonomic:hasNameEN>Blue sea chub</taxonomic:hasNameEN>
<taxonomic:hasID>3210</taxonomic:hasID>
<taxonomic:hasNameLongES>Chopa azul</taxonomic:hasNameLongES>
<taxonomic:hasCodeAlpha3>KYC</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameFR>Calicagre bleue</taxonomic:hasNameFR>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8037"/>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7082"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasNameES>Chopa azul</taxonomic:hasNameES>
<taxonomic:hasCodeTaxonomic>1704703501</taxonomic:hasCodeTaxonomic>
<taxonomic:hasNameFullES>Chopa azul</taxonomic:hasNameFullES>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7082"/>
<rdfs:label xml:lang="fr">Calicagre bleue</rdfs:label>
<taxonomic:hasNameLongFR>Calicagre bleue</taxonomic:hasNameLongFR>
<taxonomic:hasNameFullEN>Blue sea chub</taxonomic:hasNameFullEN>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_3042">
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8031"/>
<taxonomic:hasNameEN>Squirrelfishes nei</taxonomic:hasNameEN>
<taxonomic:hasNameFullFR>Marignons nca</taxonomic:hasNameFullFR>
<taxonomic:hasNameLongEN>Squirrelfishes nei</taxonomic:hasNameLongEN>
<taxonomic:hasNameFullES>Candiles nep</taxonomic:hasNameFullES>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasNameLongES>Candiles nep</taxonomic:hasNameLongES>
<rdfs:label xml:lang="en">Squirrelfishes nei</rdfs:label>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasNameScientific>Holocentridae</taxonomic:hasNameScientific>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7358"/>
<taxonomic:hasNameFullEN>Squirrelfishes nei</taxonomic:hasNameFullEN>
<taxonomic:hasNameFR>Marignons nca</taxonomic:hasNameFR>
<rdfs:label xml:lang="es">Candiles nep</rdfs:label>
<taxonomic:hasID>3042</taxonomic:hasID>
<taxonomic:hasNameES>Candiles nep</taxonomic:hasNameES>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31103"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7358"/>
<rdfs:label xml:lang="fr">Marignons nca</rdfs:label>
<taxonomic:hasCodeAlpha3>HCZ</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameLongFR>Marignons nca</taxonomic:hasNameLongFR>
<taxonomic:hasCodeTaxonomic>16111XXXXX</taxonomic:hasCodeTaxonomic>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl

```

```

#ID_39999_31101"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_13996">
<taxonomic:hasNameLongEN>Yellow boxfish</taxonomic:hasNameLongEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31002_8046"/>
<taxonomic:hasNameLongFR/>
<taxonomic:hasNameES/>
<taxonomic:hasNameFullES/>
<taxonomic:hasNameLongES/>
<rdfs:label xml:lang="en">Yellow boxfish</rdfs:label>
<taxonomic:hasNameFR/>
<taxonomic:hasNameFullFR/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31003_7534"/>
<rdfs:label xml:lang="fr"/>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<rdfs:label xml:lang="es"/>
<taxonomic:hasID>13996</taxonomic:hasID>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31003_7534"/>
<taxonomic:hasNameFullEN>Yellow boxfish</taxonomic:hasNameFullEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31001_8501"/>
<taxonomic:hasCodeTaxonomic>1900100101</taxonomic:hasCodeTaxonomic>
<taxonomic:hasNameEN>Yellow boxfish</taxonomic:hasNameEN>
<taxonomic:hasNameScientific>Ostracion cubicus</taxonomic:hasNameScientific>
<taxonomic:hasCodeAlpha3>OTJ</taxonomic:hasCodeAlpha3>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_32001_1411"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_3063">
<rdfs:label xml:lang="es">Percomorfos demers</rdfs:label>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31002_8049"/>
<taxonomic:hasCodeAlpha3>DPX</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameScientific>Perciiformes</taxonomic:hasNameScientific>
<taxonomic:hasNameFullFR>Percomorphes dmersaux nca</taxonomic:hasNameFullFR>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_39999_31103"/>
<taxonomic:hasNameFullEN>Demersal percomorphs nei</taxonomic:hasNameFullEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_31001_8501"/>
<taxonomic:hasNameFR>Percomorphes dme</taxonomic:hasNameFR>
<taxonomic:hasCodeTaxonomic>199XXXXXXXX012</taxonomic:hasCodeTaxonomic>
<taxonomic:hasNameLongFR>Percomorphes dmersaux nca</taxonomic:hasNameLongFR>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_39999_31101"/>
<taxonomic:hasNameEN>Demersal percomorp</taxonomic:hasNameEN>
<taxonomic:hasNameFullES>Percomorfos demersales nep</taxonomic:hasNameFullES>
<taxonomic:hasNameLongEN>Demersal percomorphs nei</taxonomic:hasNameLongEN>
<taxonomic:hasID>3063</taxonomic:hasID>
<taxonomic:hasNameES>Percomorfos demers</taxonomic:hasNameES>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl
#ID_32001_1412"/>
<rdfs:label xml:lang="en">Demersal percomorp</rdfs:label>
<rdfs:label xml:lang="fr">Percomorphes dme</rdfs:label>
<taxonomic:hasNameLongES>Percomorfos demersales nep</taxonomic:hasNameLongES>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_15435">
<taxonomic:hasNameFullFR/>
<taxonomic:hasNameLongES/>
<taxonomic:hasNameFullEN>Pacific gregory</taxonomic:hasNameFullEN>
<taxonomic:hasNameES/>

```

```

<taxonomic:hasCodeTaxonomic>1706202404</taxonomic:hasCodeTaxonomic>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<rdfs:label xml:lang="en">Pacific gregory</rdfs:label>
<taxonomic:hasNameEN>Pacific gregory</taxonomic:hasNameEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7438"/>
<taxonomic:hasNameLongFR/>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasNameFullES/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<taxonomic:hasNameFR/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8037"/>
<taxonomic:hasCodeAlpha3>TAF</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameScientific>Stegastes fasciolatus</taxonomic:hasNameScientific>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7438"/>
<taxonomic:hasNameLongEN>Pacific gregory</taxonomic:hasNameLongEN>
<rdfs:label xml:lang="fr"/>
<taxonomic:hasID>15435</taxonomic:hasID>
<rdfs:label xml:lang="es"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_15286">
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7263"/>
<taxonomic:hasNameFR/>
<taxonomic:hasNameLongES/>
<taxonomic:hasNameLongEN>Mottled spinefoot</taxonomic:hasNameLongEN>
<taxonomic:hasNameES/>
<taxonomic:hasNameScientific>Siganus fuscescens</taxonomic:hasNameScientific>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8039"/>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasNameLongFR/>
<taxonomic:hasNameFullFR/>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7263"/>
<rdfs:label xml:lang="fr"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<rdfs:label xml:lang="es"/>
<taxonomic:hasNameEN>Mottled spinefoot</taxonomic:hasNameEN>
<rdfs:label xml:lang="en">Mottled spinefoot</rdfs:label>
<taxonomic:hasNameFullEN>Mottled spinefoot</taxonomic:hasNameFullEN>
<taxonomic:hasNameFullES/>
<taxonomic:hasCodeTaxonomic>1740700104</taxonomic:hasCodeTaxonomic>
<taxonomic:hasID>15286</taxonomic:hasID>
<taxonomic:hasCodeAlpha3>IGF</taxonomic:hasCodeAlpha3>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_2336">
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasNameFullEN>Monocle breams</taxonomic:hasNameFullEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
<taxonomic:hasNameFR>Mamilas</taxonomic:hasNameFR>
<rdfs:label xml:lang="fr">Mamilas</rdfs:label>
<rdfs:label xml:lang="es">Besugatos</rdfs:label>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31101"/>
<taxonomic:hasNameEN>Monocle breams</taxonomic:hasNameEN>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7066"/>

```

```

<taxonomic:hasCodeTaxonomic>17033230XX</taxonomic:hasCodeTaxonomic>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7066"/>
<taxonomic:hasNameLongFR>Mamilas</taxonomic:hasNameLongFR>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasID>2336</taxonomic:hasID>
<rdfs:label xml:lang="en">Monocle breams</rdfs:label>
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31103"/>
<taxonomic:hasNameFullFR>Mamilas</taxonomic:hasNameFullFR>
<taxonomic:hasNameES>Besugatos</taxonomic:hasNameES>
<taxonomic:hasCodeAlpha3>MOB</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameScientific>Scolopsis spp</taxonomic:hasNameScientific>
<taxonomic:hasNameFullES>Besugatos</taxonomic:hasNameFullES>
<taxonomic:hasNameLongES>Besugatos</taxonomic:hasNameLongES>
<taxonomic:hasNameLongEN>Monocle breams</taxonomic:hasNameLongEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8037"/>
</rdf:Description>

<rdf:Description rdf:about="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31005_3374">
<taxonomic:hasMeta>31005</taxonomic:hasMeta>
<taxonomic:hasCodeTaxonomic>19002XXXXX</taxonomic:hasCodeTaxonomic>
<rdfs:label xml:lang="en">Puffers nei</rdfs:label>
<rdfs:label xml:lang="fr">Compres nca</rdfs:label>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31002_8046"/>
<taxonomic:hasNameEN>Puffers nei</taxonomic:hasNameEN>
<taxonomic:hasNameLongEN>Puffers nei</taxonomic:hasNameLongEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31103"/>
<rdfs:label xml:lang="es">Tamboriles nep</rdfs:label>
<taxonomic:hasNameFullEN>Puffers nei</taxonomic:hasNameFullEN>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_32001_1411"/>
<taxonomic:hasID>3374</taxonomic:hasID>
<taxonomic:hasNameScientific>Tetraodontidae</taxonomic:hasNameScientific>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31102"/>
<taxonomic:hasNameFullFR>Compres nca</taxonomic:hasNameFullFR>
<taxonomic:hasNameLongFR>Compres nca</taxonomic:hasNameLongFR>
<taxonomic:hasDirectHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7227"/>
<rdf:type rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#Species"/>
<taxonomic:hasNameFR>Compres nca</taxonomic:hasNameFR>
<taxonomic:hasCodeAlpha3>PUX</taxonomic:hasCodeAlpha3>
<taxonomic:hasNameFullES>Tamboriles nep</taxonomic:hasNameFullES>
<taxonomic:hasNameLongES>Tamboriles nep</taxonomic:hasNameLongES>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31003_7227"/>
<taxonomic:hasNameES>Tamboriles nep</taxonomic:hasNameES>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_39999_31101"/>
<taxonomic:hasHigherRank rdf:resource="http://www.fao.org/aims/aos/fi/species_taxonomic.owl#ID_31001_8501"/>
</rdf:Description>

```