



Marine Regions: data sources and data usage

Simon Claus
Flanders Marine Institute (VLIZ)



ICAN Workshop 6: Expanding Participation in
Coastal Web Atlas: Development and Use

16-17 June 2013, Victoria, Canada



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Objectives presentation

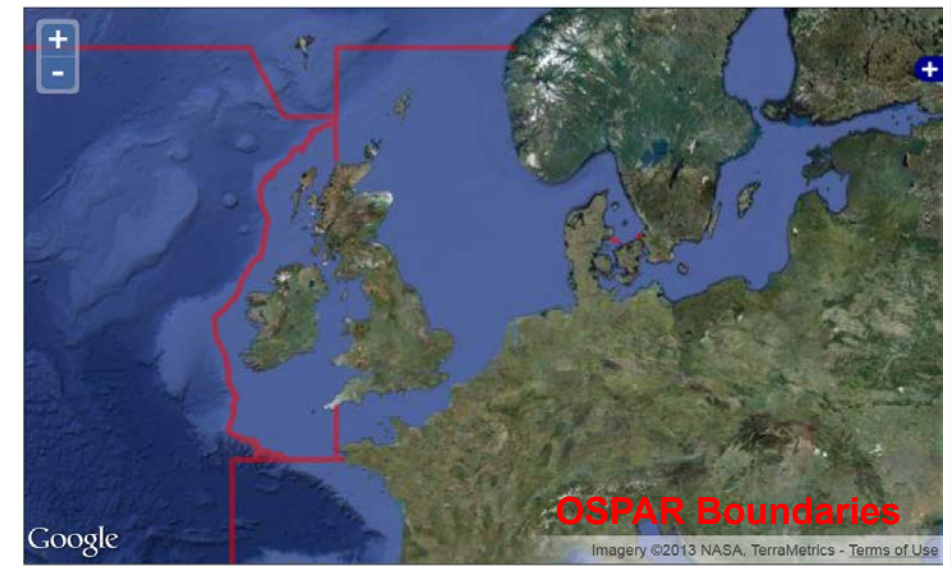
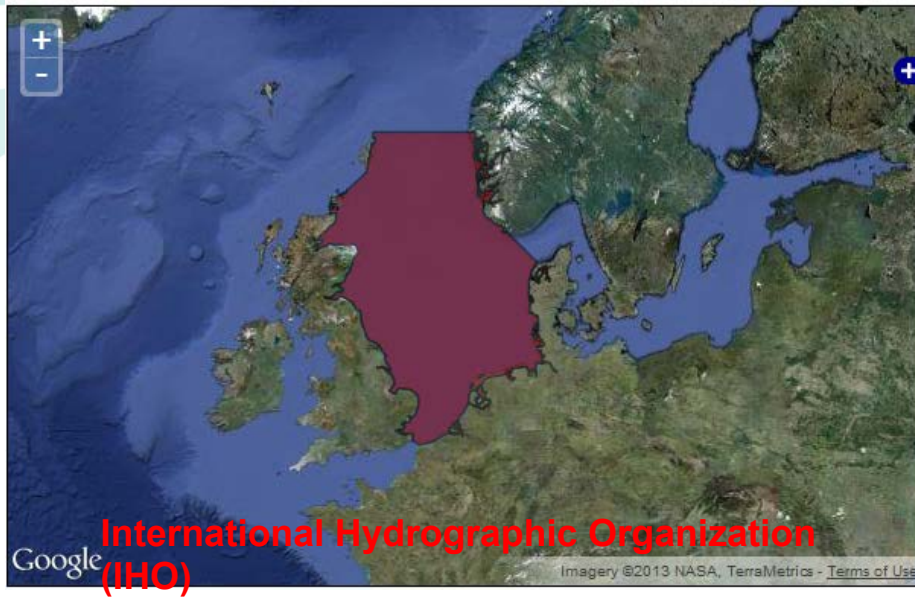
- Introduction Marine Regions
- Content | use | users of Marine regions
- Link Marine Regions within ICAN prototype?
- Webservices



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The North Sea?



Objectives

- Standard, hierarchical list of marine geographic placenames, and the coordinates of this placenames

Initiatives

- VLIMAR: Marine gazetteer (2004)
- MARBOUND: The world EEZ boundaries (2005)
- Towards one system: Marine Regions (2012)



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Database structure: one geographic entity (**geoobject**) has

- ✓ Coordinates (lat-long)
- ✓ Placetype
 - ✓ Physical: bay-trench-sandbank-sea...
 - ✓ Administrative: Territorial sea, contiguous zone, EEZ
- ✓ But can have different names: name not unique!!
- ✓ Multiple relations between two geoobjects
 - ✓ North Sea part of NEA
 - ✓ North Sea adjacent to Norwegian Sea
 - ✓ North Sea is partly part of UK EEZ

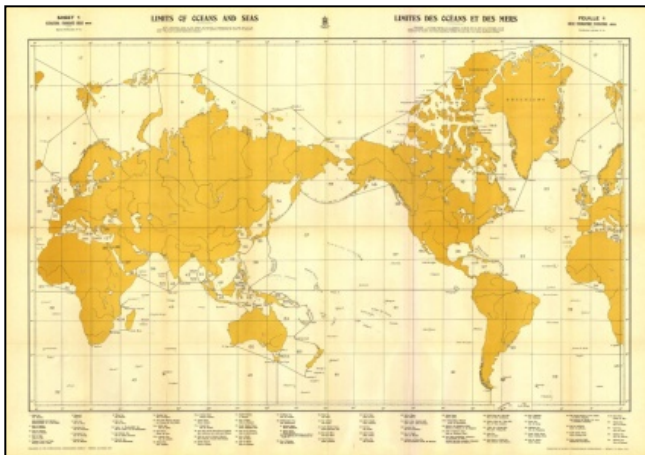


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Parent classification of marine waters

- ✓ Physical: world seas of IHO
- ✓ Administrative: EEZ boundaries
- ✓ Combined: Marine regions



'Limits of Oceans and Seas' , IHO, 1953



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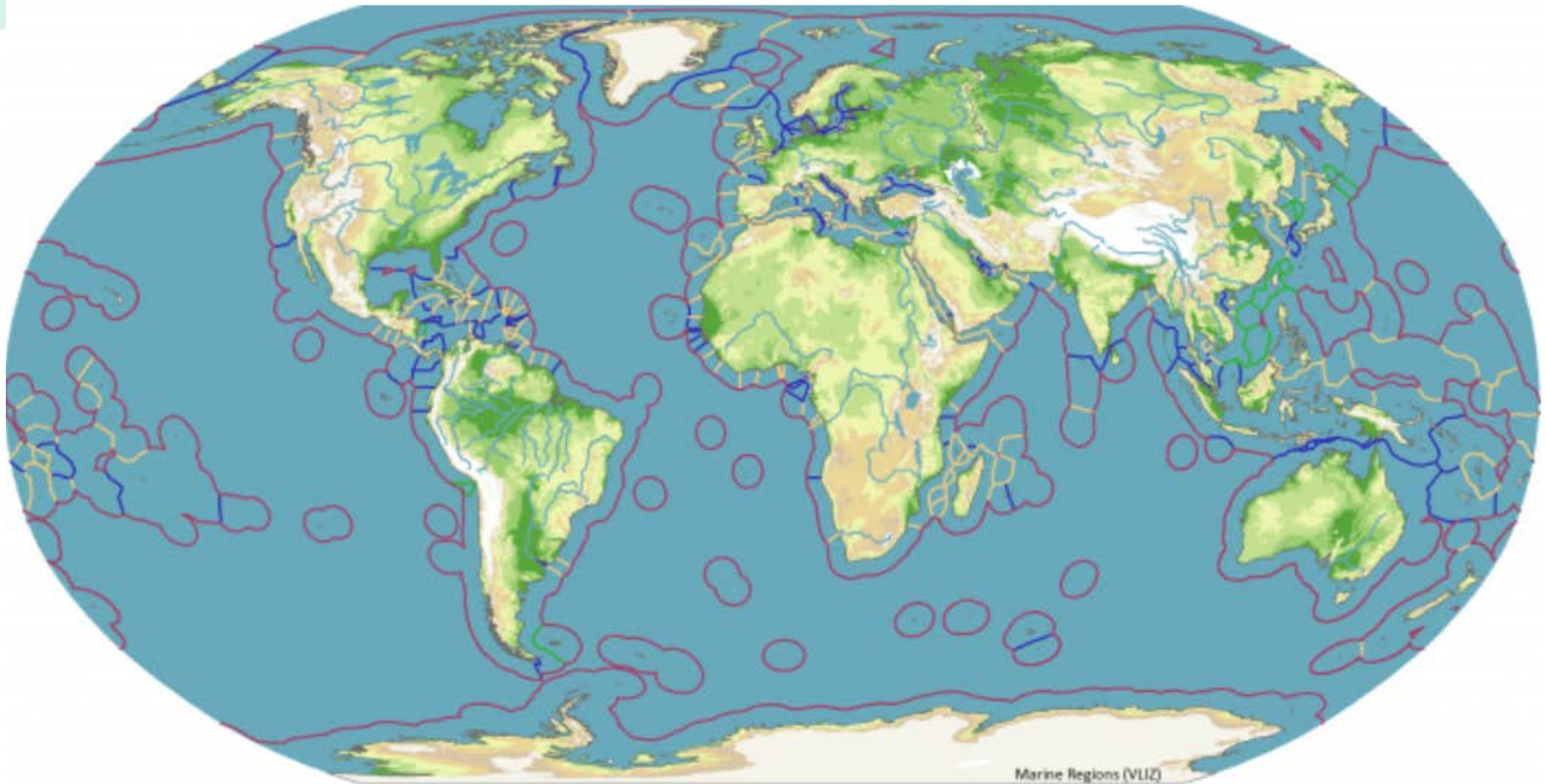
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IHO Seas



IHO Sea Areas

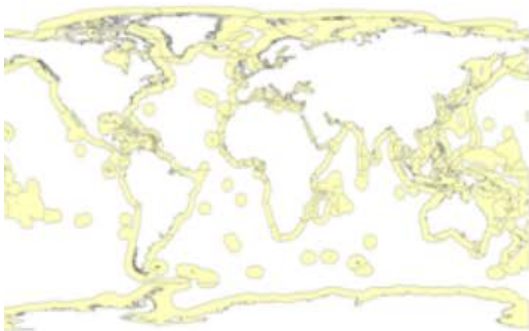
Exclusive Economic Zones (EEZ)



Exclusive Economic Zones Boundaries (EEZ)

Marine Regions: intersect EEZ and IHO Seas

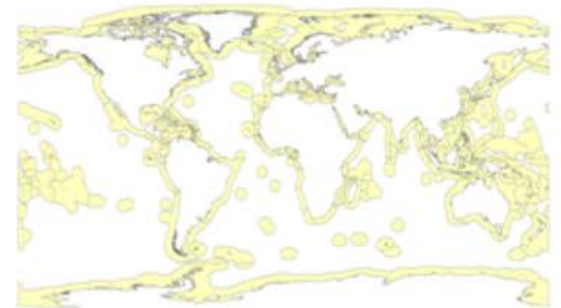
Intersect Tool



Erase EEZ and countries



Merge of both layers



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Marine Regions

Name **Language Name** **Source**
English German part of the North Sea

PlaceType Marine Region

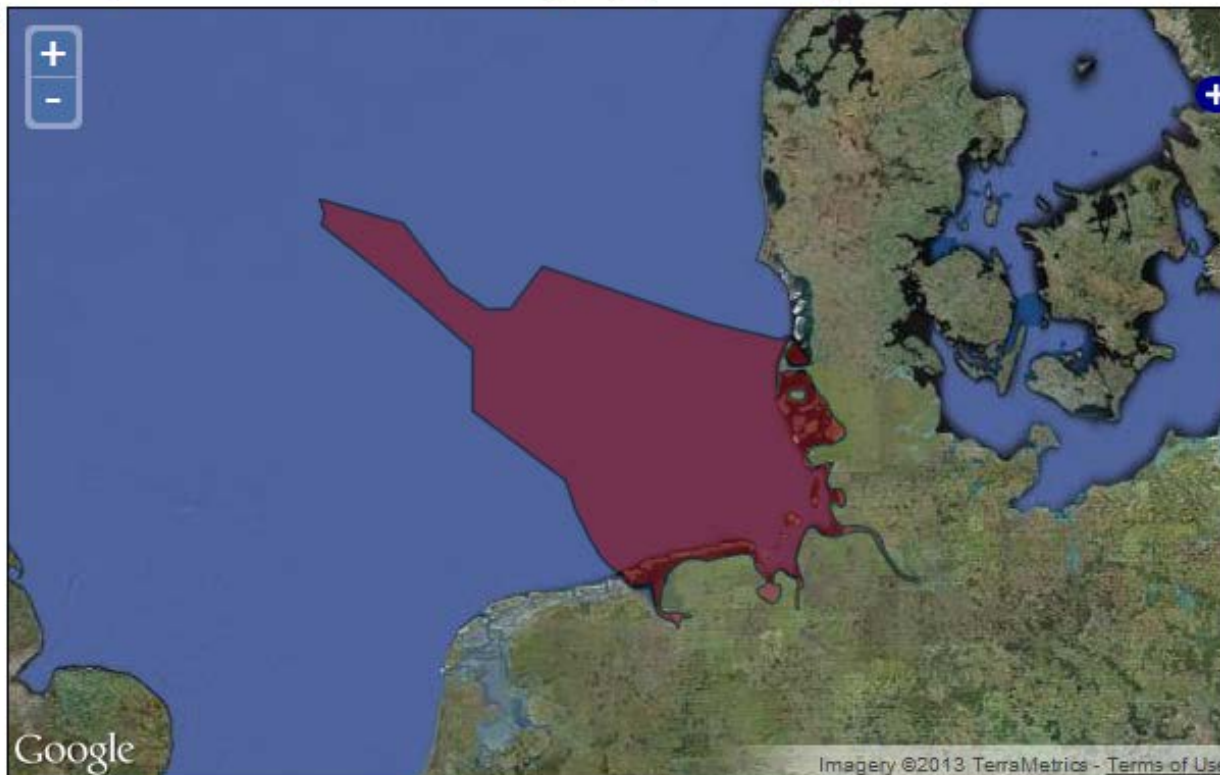
Latitude 54° 35' 34.2" N (54.59282°)

Longitude 6° 47' 0.5" E (6.78346°)

Source Maritime Boundaries Geodatabase, Flanders Marine Institute, *available online at* <http://www.marineregions.org/eez.php>

Relations Part of [North Sea](#) (IHO Sea Area) [\[view hierarchy\]](#)
Part of [German Exclusive Economic Zone \(EEZ\)](#) [\[view hierarchy\]](#)

Map



New product intersect EEZ | IHO Seas: Marine Regions

English High seas of the North Atlantic Ocean

PlaceType Marine Region

Latitude 30° 6' 31.3" N (30.108681°)

Longitude 38° 20' 38.8" W (-38.344124°)

Min. Lat 0° 0' 0" N (0°)

Min. Long 76° 58' 3.1" W (-76.9675°)

Max. Lat 63° 18' 48" N (63.3133°)

Max. Long 3° 14' 7.5" E (3.2354°)

Relation Part of [North Atlantic Ocean](#) (IHO Sea Area) [\[view hierarchy\]](#)

Map



[gions.org](#)

referenced marine names

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Marine Gazetteer geographic name search

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

(alphabetical search)



Enter the geographic name you want to look up. Valid wildcards are '%' and '_' ('%' replaces zero or more characters, '_' replaces a single character; click [here](#) for details and examples).

Search Geographic name

Place type Sandbank

Source (any)

Latitude Radius:

Longitude Radius:

Search



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Marine Gazetteer Search results

Your search for " returned 132 records, showing records 1-100

- [Aberdeen Bank](#) (Sandbank)
- [Adlergrund](#) (Sandbank)
- [Akkaert Bank](#) (Sandbank)
- [Amrumbank](#) (Sandbank)
- [Appelzak](#) (Sandbank)
- [Bakkegrund](#) (Sandbank)
- [Baland Bank](#) (Sandbank)
- [Balgzand](#) (Sandbank)
- [Ballastplaat](#) (Sandbank)
- [Banc de Saint-Pol](#) (Sandbank)
- [Banjaard](#) (Sandbank)
- [Bank zonder Naam](#) (Sandbank)
- [Bankje van Zoutelande](#) (Sandbank)
- [Bergen Bank](#) (Sandbank)

entral/



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Marine Gazetteer Placedetails

MRGID 2437

Status Proposed standard

Name	Language	Name	Source
	Dutch	Akkaert Bank	ASFA thesaurus

PlaceType Sandbank

Latitude 51° 25' 22.6" N (51.42294°)

Longitude 2° 52' 37.1" E (2.876971°)

Precision 14280 meter

Min. Lat 51° 21' 17.8" N (51.3549°)

Min. Long 2° 42' 8.4" E (2.7023°)

Max. Lat 51° 29' 27.4" N (51.491°)

Max. Long 3° 3' 5.8" E (3.0516°)

Source ASFA thesaurus, available online at <http://www4.fao.org/asfa/asfa.htm>

hp



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Relation Part of [Zeeland Banks](#) (Sandbank System) [\[view hierarchy\]](#)

Map

Map interface showing a satellite view of a coastal area. The map includes a zoom control (+/-) and the Google logo. To the right of the map is a list of marine regions with expandable/collapsible icons:

- [Irish Exclusive economic Zone](#) (EEZ)
- [Irish Sea and St. George's Channel](#) (IHO Sea Area)
- [Ivory Coast Exclusive Economic Zone](#) (EEZ)
- [Kenmare River](#) (Inlet)
- [Labrador Sea](#) (IHO Sea Area)
- [Leeward Islands](#) (Island Group)
- [Liberian Exclusive Economic Zone](#) (EEZ)
- [Little Egg Inlet](#) (Bay)
- [Lower New York Bay](#) (Bay)
- [Macaronesian Islands](#) (Island Group)
- [Madeira](#) (Island)
- [Malio](#) (Island)
- [Massachusetts Bay](#) (Bay)
- [Mauritanian Exclusive Economic Zone](#) (EEZ)
- [Moroccan Exclusive Economic Zone](#) (EEZ)
- [North East Atlantic](#) (General Sea Area)
- [North Sea](#) (IHO Sea Area)
 - [Belgian Exclusive Economic Zone](#) (EEZ)
 - [Coastal Banks](#) (Sandbank System)
 - [Flemish Banks](#) (Sandbank System)
 - [Hinder Banks](#) (Sandbank System)
 - [Zeeland Banks](#) (Sandbank System)
 - [Akkaert Bank](#) (Sandbank)
 - [Gooite Bank](#) (Sandbank)
 - [Thornton Bank](#) (Sandbank)
 - [Westpit](#) (Swale)

lat: 50.55 lon: 2.39

Download Layer: **NorthSea:shoalsbcs** - format: **KMZ**

Edit history Last edited on 2005-01-01 00:00:00 by db_admin

[\[Google\]](#) [\[Google scholar\]](#) [\[Google images\]](#)

Marine Regions: MRGID



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Standards

Place names change over time, and the same names may be used for different locations. Available gazetteers may find locations of some marine place names, but a truly global standard for marine place names is lacking. Marine Regions tries to establish for the first time a standardized list of georeferenced marine place names and marine areas. In order to preserve the identity of the marine geographic objects from the database, and to name and locate the geographic resources on the web, we promote the Marine Regions Geographic Identifier, or the **MRGID**.

MRGID

Marine **R**egions **G**eographic **I**dentifier

- unique:
- persistent:
- identifier: to refer to a Geographic Object

For an identifier to be persistent, it requires the governing body to arrange for the identifier to be available for the long term. Use of the MRGID, as URI and persistent identifier has the commitment of the Flanders Marine Institute, issuing the identifier to maintain the http domain registration, and a strategy for managing the domain and the web servers.

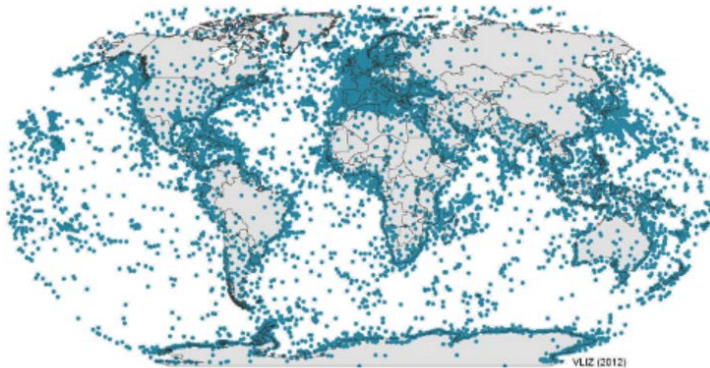


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Data content Marine Regions

- 36,081 place names, representing 28,814 marine geographic places



- Regional checklists
(Antarctic, Black Sea, North Sea...)
- Global checklists
(SCUFN, UNESCO Marine Heritage Sites, ASFA, WoRMS....)
- Marine boundaries
(EEZ, IHO, MEOW, LME, FAO Fishing zones, Seavox, Longhurst, ICES, Marine Regions, Natura2000 Sites)



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Marine regions works with an editorial board, responsible for the content and quality control of the data. Marine Regions. We have editors that are responsible for the content of a specific source and the update of that source within Marine Regions and regional editors, that are in charge of a specific geographic area. You can apply for membership by sending your contact details, interest and proposed contribution

- Mr. Fabio Carocci
Fisheries and Aquaculture Resources Use and Conservation Division
Food and Agriculture Organization (FAO)
Quality control EEZ Boundaries & link between the FAO Marine Areas and Marine Regions
- Mr. Evan Centanni
Political Geography Now
Quality control by providing feedback on political maritime geography issues
- Mr. David Forcucci
US Coast Guard
Quality control of the EEZ boundaries and providing geographic information from the [Arctic region](#) to Marine Regions.
- Dr. Mario H. Londono-Mesa
University of Antioquia, Medellin, Colombia
Editor for the [Colombian part of the Caribbean Sea](#)



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Add a Gazetteer Item

You are logged in as:

Simon Claus

[\[Log out\]](#) [\[My Marine Gaz...\]](#)

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MRGID (Automatically generated)

Preferred Appellation*

Appellation Source (none)

Placetype*

Language* English

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

Latitude [decimal degrees]

Longitude [decimal degrees]

Minimum Latitude [decimal degrees]

Minimum Longitude [decimal degrees]

Maximum Latitude [decimal degrees]

Maximum Longitude [decimal degrees]

Create



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- ▶ Exclusive Economic Zones Boundaries (EEZ)
- ▶ IHO Sea Areas
- ▶ Marineregions: intersect of EEZ's and IHO areas
- ▶ Marine and land zones: the union of world country boundaries and
- ▶ World Marine Heritage Sites
- ▶ FAO Fishing Areas
- ▶ Large Marine Ecosystems of the World
- ▶ Longhurst Biogeographical Provinces
- ▶ ICES Ecoregions
- ▶ OSPAR Boundaries
- ▶ Marine Ecoregions of the World, MEOW (Spalding et al., 2007)

Marine Regions Download file - Mozilla Firefox

Search or enter address

Please fill in the fields correctly. This information will not be used for commercial purposes. We will use it to keep You up to date of new releases of the database.
Fields with a asterisk are required fields.

Name *

Organisation *

E-mail *

Country *

For what purposes will you use the GIS-layers *

Agree to the [disclaimer](#) *

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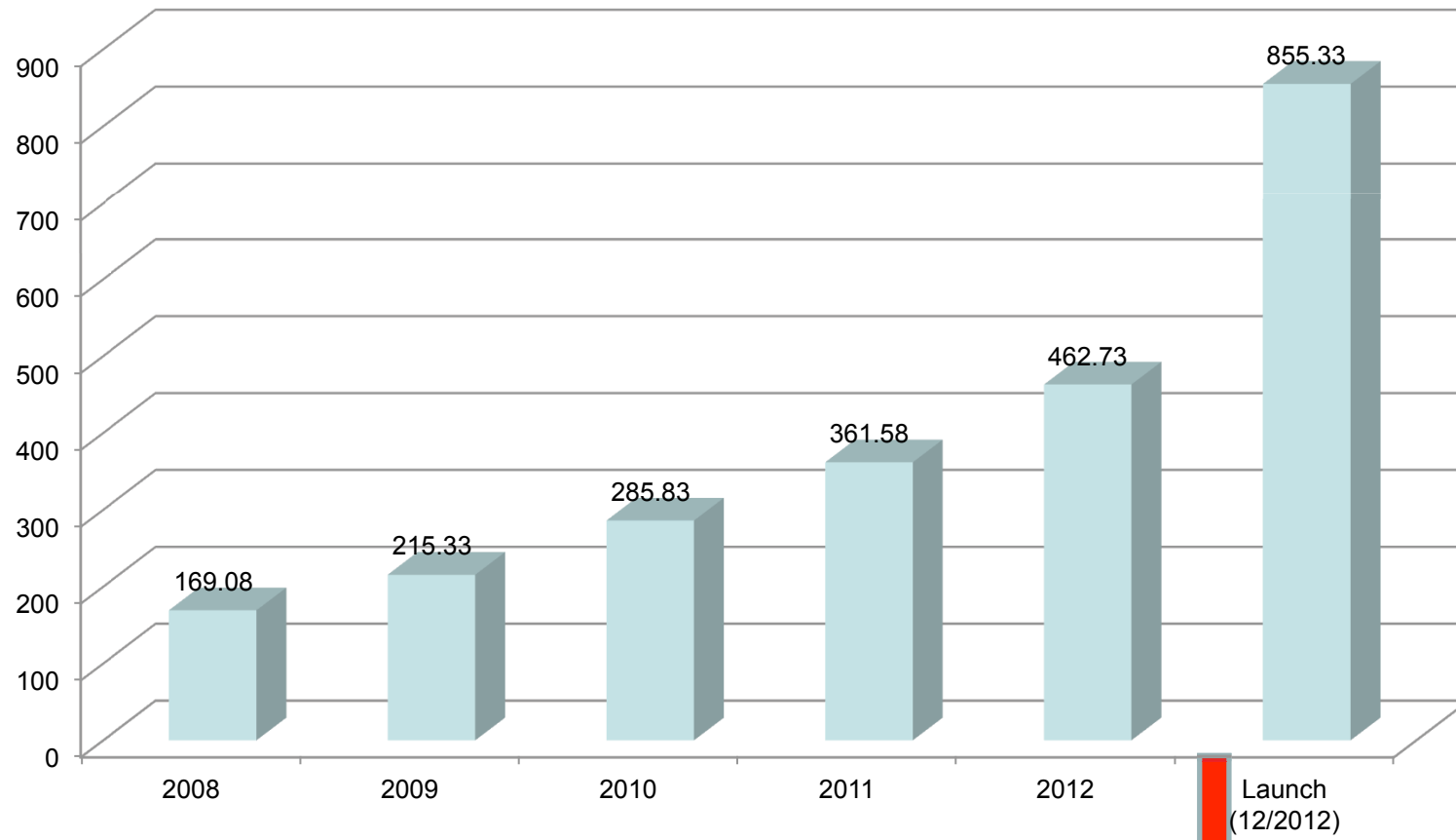


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Users

Downloads/month

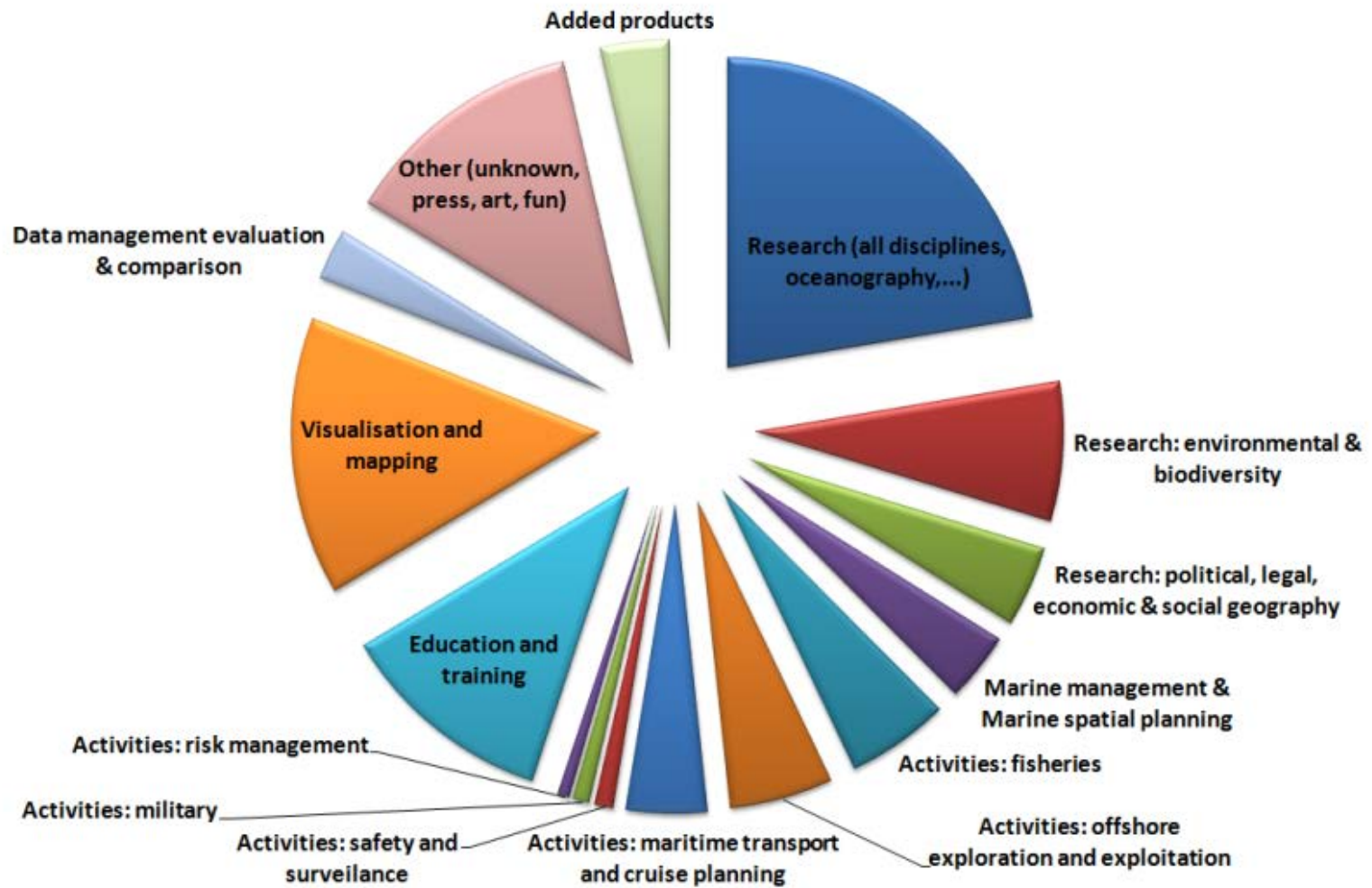


LAUNCH
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Users

Use maritime boundaries 01/04/2012. Analysed 100 % (n = 8336)



Web services

1. WMS | WFS services: retrieve maps | features
2. SOAP | Restful services: retrieve names,
MRGID, coordinates,
classifications



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Web services

SOAP services| Rest services



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Restfull service

- [rest service](#)

Soap service

- [soap WSDL](#)

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SOAP services | Rest services: methods

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Restfull methods

/getGazetteerRecordsByName

Show/Hide | List Operations | Expand Operations | Raw

GET

/getGazetteerRecordsByName.json/{name}/{like}/

Get matching records by name

GET

/getGazetteerRecordsByName.xml/{name}/{like}/

Get matching records by name

/getGazetteerRecordsByNames

Show/Hide | List Operations | Expand Operations | Raw

/getGazetteerRecordsByType

Show/Hide | List Operations | Expand Operations | Raw

/getGazetteerRecordsBySource

Show/Hide | List Operations | Expand Operations | Raw

/getGazetteerRecordByMRGID

Show/Hide | List Operations | Expand Operations | Raw

/getGazetteerRelationsByMRGID

Show/Hide | List Operations | Expand Operations | Raw

/getGazetteerWMS

Show/Hide | List Operations | Expand Operations | Raw

/getGazetteerRecordsByLatLong

Show/Hide | List Operations | Expand Operations | Raw

/getGazetteerTypes

Show/Hide | List Operations | Expand Operations | Raw

/getGazetteerSources

Show/Hide | List Operations | Expand Operations | Raw

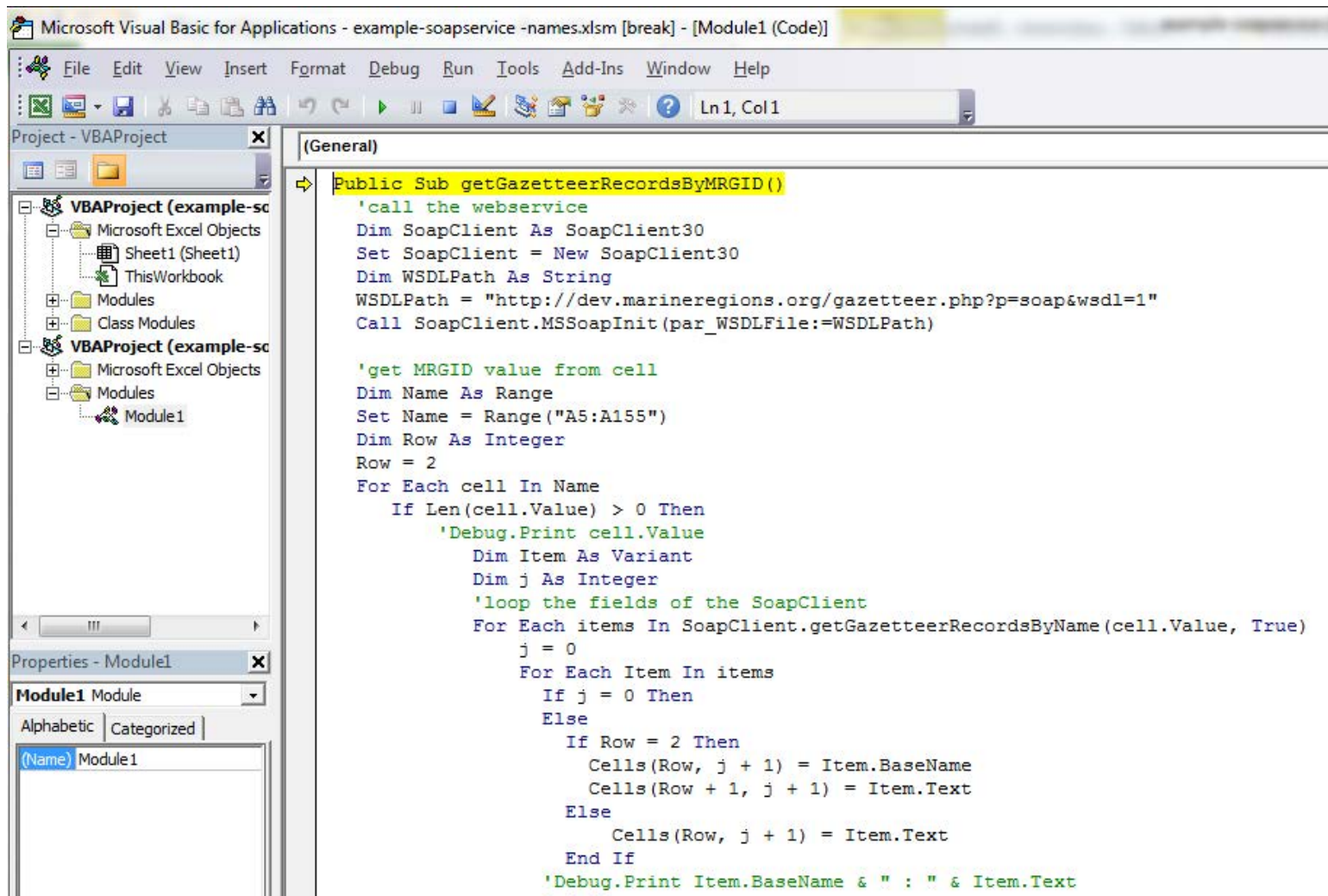
/getGazetteerNamesByMRGID

Show/Hide | List Operations | Expand Operations | Raw



Web services

SOAP services: implementation for Excel



```
Microsoft Visual Basic for Applications - example-soapservice -names.xlsm [break] - [Module1 (Code)]
File Edit View Insert Format Debug Run Tools Add-Ins Window Help
Project - VBAProject
VBAProject (example-sc
  Microsoft Excel Objects
    Sheet1 (Sheet1)
    ThisWorkbook
  Modules
  Class Modules
  VBAProject (example-sc
    Microsoft Excel Objects
    Modules
      Module1
Properties - Module1
Module1 Module
Alphabetic Categorized
(Name) Module1

Public Sub getGazetteerRecordsByMRGID()
    'call the webservice
    Dim SoapClient As SoapClient30
    Set SoapClient = New SoapClient30
    Dim WSDLPath As String
    WSDLPath = "http://dev.marinerregions.org/gazetteer.php?p=soap&wsdl=1"
    Call SoapClient.MSSoapInit(par_WSDLFile:=WSDLPath)

    'get MRGID value from cell
    Dim Name As Range
    Set Name = Range("A5:A155")
    Dim Row As Integer
    Row = 2
    For Each cell In Name
        If Len(cell.Value) > 0 Then
            'Debug.Print cell.Value
            Dim Item As Variant
            Dim j As Integer
            'loop the fields of the SoapClient
            For Each items In SoapClient.getGazetteerRecordsByName(cell.Value, True)
                j = 0
                For Each Item In items
                    If j = 0 Then
                        Else
                            If Row = 2 Then
                                Cells(Row, j + 1) = Item.BaseName
                                Cells(Row + 1, j + 1) = Item.Text
                            Else
                                Cells(Row, j + 1) = Item.Text
                            End If
                        'Debug.Print Item.BaseName & " : " & Item.Text
                    
```

example-soapservice-combi.xlsm - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Acrobat

Clipboard Font Alignment Number Styles

60% - Accent5 Accent1 Accent2 Accent3
Accent5 Accent6 Comma Comma

A6 Pacific

	A	B	C	D	E	F	G	H	I	J
1	Get gazetteer records	by name								
2		MRGID	preferredGazetteerName	prefer	placeType	latitude	longitude	minLatitude	maxLatitude	minLongitude
3	Get matching Records	2350	North Sea	en	IHO Sea Area	55.96853	2.698768	50.93706	61	-4.43
4		8542	North Sea	en	Large Marine Ecosystem	56.50826	3.790361	50.9672	62.04932	-5.35
5	north sea	17441	Central North Sea	en	General Sea Area	53.12	2.81			
6	Pacific	17977	Northern North Sea	en	General Sea Area	59	1.8			
7		21912	North Sea	en	Marine Ecoregion of the World (ME	55.5428	4.59313			
8		22165	North Sea	en	ICES Ecoregion	56.946517	3.043141	49.2804	62	-4
9		22253	Southern North Sea	en	General Sea Area	51.36492	1.98853			
10		22762	German part of the North Sea	en	Marine Region	54.59282	6.78346			
11		23647	North Sea	en	SeaVoX SeaArea - level 3					
12		24177	North Sea	en	SeaVoX SeaArea - subocean	56.4705033	2.762777227	51.09617233	60.9144516	-3.8951
13		25231	Danish part of the North Sea	en	Marine Region	55.467586	6.65237	53.242809	57.485517	
14		25232	Dutch part of the North Sea	en	Marine Region	53.623705	4.188582	51.262027	55.765	2.53
15		25233	Norwegian part of the North Sea	en	Marine Region	58.591406	4.058819	56.086667	61	1.48
16		25234	French part of the North Sea	en	Marine Region	51.18799	2.104363	50.937058	51.557769	1.54
17		25235	United Kingdom part of the North Sea	en	Marine Region	56.67095	0.34006	51.037694	61	-4.43
18		26567	Belgian part of the North Sea	en	Marine Region	51.465715	2.703969			
19										
20		1903	Pacific Ocean	en	General Sea Area	-0.8917408	-149.625	-60	58.2165184	128.65
21		1908	North Pacific Ocean	en	IHO Sea Area	29.10826	-154.3535	1.00E-05	58.21652	128.65
22		1910	South Pacific Ocean	en	IHO Sea Area	-28.71112	-148.6665	-60	2.577762	129.91
23		5294	North Pacific Central Water	en	Water mass					
24		5295	North Pacific Intermediate Water	en	Water mass					
25		5296	Pacific Subarctic Water	en	Water mass					
26		5300	South Pacific Central Water	en	Water mass					
27		5304	South Pacific Intermediate Water	en	Water mass					
28		6028	Pacific-Antarctic Rise	en	Rise		-45	-120		
29		6159	North West Pacific Basin	en	Basin		34	155		
30		6976	Central Pacific Basin	en	Basin		9	180		
31		7200	Pacific-Antarctic Ridge	en	Ridge				-61.5	-54.5
32		7219	South West Pacific Basin	en	Basin		-42	132	-23	-57
33		7374	Mid-Pacific Seamounts	en	Seamount(s)				20	20
34		7456	East Pacific Rise	en	Rise				23	-54.5
35		8563	Insular Pacific-Hawaiian	en	Large Marine Ecosystem	23.27083	-166.6275	17.39859	29.14307	-179
36		8567	Pacific Central-American Coastal	en	Large Marine Ecosystem	9.074343	-96.30147	-4.358077	22.50676	-115

example-soapservice-combi.xlsx - Microsoft Excel

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Cut Copy Paste Format Painter Clipboard

Font: 16, Bold, Italic, Underline, Text Color, Background Color, Paragraph Spacing, Wrap Text, Merge & Center

Alignment: General, Left, Center, Right, Justify, Indent, Decrease Indent, Increase Indent, Merge & Center

Number: \$, %, +, -, .00, .00, .00

Conditional Formatting, Format as Table

Styles: 40% - Accent2, 40% - Accent3, 40% - Accent4, 40% - Accent5, 40% - Accent6, 60% - Accent1, 60% - Accent2, 60% - Accent3, 60% - Accent4, 60% - Accent5

Insert, Delete, Format, Cells

Get gazetteer records

	A	B	C	D	E	F	G	H	I	J	K
1	Get gazetteer records	by PlaceType		Populate list							
2		MRGID	preferredGazetteerName	preferredGazetteerNameLang	placeType	latitude	longitude	minLatitude	maxLatitude	minLongitude	maxLongitude
3	Get matching Records	24017	Hudson Strait	en	SeaVoX SeaArea - subocean	61.86102067	-71.09078982	58.00202942	64.90260315	-80.96552277	-64.424
4		24018	Hudson Bay	en	SeaVoX SeaArea - subocean	59.04039205	-84.61776106	51.13254929	66.18544769	-94.97260284	-76.51
5		24019	Davis Strait	en	SeaVoX SeaArea - subocean	64.63873978	-58.06438883	59.89299393	70.07297516	-70.06212616	-44.465
6		24020	White Sea	en	SeaVoX SeaArea - subocean	66.22708451	39.08548872	63.78140664	68.65930176	31.86914063	44.586
7		24021	Iceland Sea	en	SeaVoX SeaArea - subocean	67.42371391	-15.92913788	62.34305573	70.82719421	-32.73746872	-6.2472
8		24022	Chukchi Sea	en	SeaVoX SeaArea - subocean	69.40079243	-170.2555457	65.95809174	71.59695435		-180
9		24023	Beaufort Sea	en	SeaVoX SeaArea - subocean	72.4969353	-137.8095721	68.63993835	76.34577179	-156.640976	-122.60
10		24024	Norwegian Sea	en	SeaVoX SeaArea - subocean	68.53616881	4.686722983	60.84903336	76.46340942	-9.000112534	25.782
11		24025	East Siberian Sea	en	SeaVoX SeaArea - subocean	74.31792457	161.6893518	68.76373291		79	139
12		24026	Laptev Sea	en	SeaVoX SeaArea - subocean	76.62948052	124.3895109	70.68022156	81.27889252	95.69103241	141.30
13		24027	Kara Sea	en	SeaVoX SeaArea - subocean	75.53271996	74.68662476	66.19512177	81.27993012	53.88509369	105.97
14		24028	Northwestern Passages	en	SeaVoX SeaArea - subocean	72.63769725	-96.66857206	63.75089645	81.70272064	-128.033493	-72.047
15		24029	Barents Sea	en	SeaVoX SeaArea - subocean	74.71128766	41.70026225	66.81645203	81.82856751	16.26971817	68.589
16		24030	Baffin Bay	en	SeaVoX SeaArea - subocean	74.10148313	-66.28907051	69.61681366	82.46661377	-82.2204895	-50.521
17		24031	Greenland Sea	en	SeaVoX SeaArea - subocean	76.57415869	-7.959539108	69.95123291	83.30912781	-36.87992859	17.397
18		24032	Lincoln Sea	en	SeaVoX SeaArea - subocean	82.99649126	-53.64249795	81.6035614	83.56243134	-70.26042938	-37.537
19		24033	Arctic Ocean	en	SeaVoX SeaArea - subocean	85.43663774	-166.0658382	71.38867188	90.00005341		-180
20		24034	Scotia Sea	en	SeaVoX SeaArea - subocean	-60.6407677	-48.96439203	-61.10102463	-53.10248751	-63.72742844	-26.237
21		24035	Weddell Sea	en	SeaVoX SeaArea - subocean	-59.87293181	-29.50047378	-78.13376617	-59.47952944	-61.98020935	-12.094
22		24038	Rio De La Plata	en	SeaVoX SeaArea - subocean	-35.14900598	-56.81352502	-36.37037277	-33.06719971	-58.63538361	-54.942
23		24039	Southwest Atlantic Ocean (20W)	en	SeaVoX SeaArea - subocean	-31.39286309	-35.6082631		-60	1.00E-08	-69.58571625
24		24040	Southeast Atlantic Ocean (20W)	en	SeaVoX SeaArea - subocean	-29.26709802	-2.143494385		-60	1.00E-08	-20
25		24041	Gulf Of Guinea	en	SeaVoX SeaArea - subocean	3.250312711	3.077035955	-0.852195323	6.621302128	-7.729887962	9.9869
26		24042	Caribbean Sea	en	SeaVoX SeaArea - subocean	15.38577344	-74.61777288	7.905021191	22.70533752	-88.93683624	-59.516
27		24043	Straits Of Florida	en	SeaVoX SeaArea - subocean	24.79557309	-80.7960455	22.95703507	27.46999931	-83.01548004	-79.002
28		24044	Gulf Of Mexico	en	SeaVoX SeaArea - subocean	24.92869535	-90.43716573	18.06094933	30.77492905	-97.89118958	-80.372
29		24045	Bay Of Fundy	en	SeaVoX SeaArea - subocean	44.95471215	-65.81186868	44.08552933	45.97596741	-67.21629334	-63.377
30		24046	Bay Of Biscay	en	SeaVoX SeaArea - subocean	45.22842652	-3.960938289	43.27534485	47.91298676	-7.878032207	-0.5072
31		24047	Northwest Atlantic Ocean (40W)	en	SeaVoX SeaArea - subocean	27.67699362	-54.96320694		1.00E-08	65.15195465	-81.60209656
32		24048	Gulf Of St. Lawrence	en	SeaVoX SeaArea - subocean	48.5837564	-61.40530581	45.60194016	52.22118759	-66.79562378	-55.266
33		24049	Skagerrak	en	SeaVoX SeaArea - subocean	58.13154489	9.672750392	57.10289764	59.91968918	7.054543018	11.91
34		24050	Labrador Sea	en	SeaVoX SeaArea - subocean	56.02476735	-53.75883276	47.38641357	60.00006867	-64.30269623	-43.783
35		24051	Bothnian Sea	en	SeaVoX SeaArea - subocean	61.54435707	19.71676082	59.6779	63.7837	17.0391	23
36		24052	Gulf Of Finland	en	SeaVoX SeaArea - subocean	59.92651094	26.42638468	59.2154	60.7428	22.8908	30
37		24053	Central Baltic Sea	en	SeaVoX SeaArea - subocean	56.62210001	17.92114883	53.6017	59.9362	9.8408	23
38		24054	Gulf Of Riga	en	SeaVoX SeaArea - subocean	57.7740241	23.42132103	56.9611	58.4762	21.7133	24
39		24055	Kattegat	en	SeaVoX SeaArea - subocean	56.67285088	11.35754374	55.437	57.7467	9.8591	15

Byname ByMRGID ByPlaceType

Ready

Web services

Include boundaries into

ICAN prototype (EEZ, Seas, Marine regions, MPA,...) via WMS



Marineregions.org

towards a standard for georeferenced marine names

Web services

Explore how prototype portal
can use marineregions
SOAP webservices to access
standardized names of
geographic areas

The screenshot shows the International Coastal Atlas Network web portal. The header features a globe icon and the text "International Coastal Atlas Network". Below the header is a navigation bar with "Search Criteria" and "Search Results" buttons. A search input field is present with a magnifying glass icon. The main content area is titled "Geographic Area of Interest" and includes instructions: "Draw a bounding box in the map area or select a geographic area from the hierarchy below." A list of geographic areas is displayed, starting with "Arctic Ocean" and including "Baffin Bay", "Barents Sea", "Beaufort Sea", "Chukchi Sea", "Davis Strait", "East Siberian Sea", "Greenland Sea", "Hudson Bay", "Hudson Strait", "Iceland Sea", "Kara Sea", "Laptev Sea", "Lincoln Sea", "Northwestern Passages", "Norwegian Sea", and "White Sea". A plus sign icon is next to "Northeast Atlantic Ocean (40W)".

International Coastal Atlas Network

Search Criteria Search Results

Search

Geographic Area of Interest

Draw a bounding box in the map area or select a geographic area from the hierarchy below.

- Arctic Ocean
 - Baffin Bay
 - Barents Sea
 - Beaufort Sea
 - Chukchi Sea
 - Davis Strait
 - East Siberian Sea
 - Greenland Sea
 - Hudson Bay
 - Hudson Strait
 - Iceland Sea
 - Kara Sea
 - Laptev Sea
 - Lincoln Sea
 - Northwestern Passages
 - Norwegian Sea
 - White Sea
- + Northeast Atlantic Ocean (40W)