



# Sea Change Ocean EDGE User's Manual

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Welcome to the **Sea Change Ocean EDGE** (European Database of Good Examples in marine education and outreach)! This database is the perfect tool for both formal educators and people interested in informal learning to find resources, activities, educational materials and inspiration for teaching ocean related topics to any kind of public. The Ocean EDGE database entries have been organized in accordance with the structure of the North-American database for formal educational resources **The Bridge** (<http://web.vims.edu/bridge>).

## 1. Searching the database

The Sea Change Ocean EDGE is easy to use: just choose from the drop-down boxes at the top of the site. If you want to search for resources in a particular language, select the language and apply. You can then further filter the search for audience, country, activity type, resource type and description. For 'Audience', 'Activity Type' and 'Resource Type', we have added the number of entries that go with each category to the categories (#number), so that you can choose how broad you want your search to be (depending on how many records you want to get as a result). Details on the different categories are provided below.

Note: the searches are AND-AND searches (and not AND-OR), so the resources listed have to apply to, for instance, the language and the activity type.

The screenshot shows a search interface with the following elements:

- Audience:** A dropdown menu with the selected option "- Any -".
- Language:** A dropdown menu with the selected option "- Any -".
- Country:** A dropdown menu with the selected option "- Any -".
- Activity Type:** A dropdown menu with the selected option "- Any -".
- Resource Type:** A dropdown menu with the selected option "- Any -".
- Description:** A text input field.
- Buttons:** "Apply" and "Reset" buttons.

Note: a reset button has been provided to quickly start a new search.

## Audience

This field specifies the main audience targeted by the referred resources. Often resources are targeted at the general public, yet sometimes they are very specific for teachers, students or (semi-)professionals. The majority of the resources is aimed at multiple target groups.

Some resources specifically mention the age groups of their target public, e.g. intermediate elementary school children. These are separately catalogued. Other resources use more general terms, like 'elementary school' or even 'school' in general. We have categorized these resources separately. Extra explanations are given in the following table. The column '#' represents the current (May 2016) number of entries within each category.

Category	#	Remarks
artists	2	
consumers	1	
cooks	2	
divers	7	
elementary	5	primary school kids, 6-12 years
fishermen	5	
general public	86	
government/decision maker	9	
graduate	3	18+ years old, Bachelor and/or Master level
high school	16	
industry	1	
intermediate elementary school	3	when specifically mentioned in the resource
middle school	8	secondary school kids, 12-16 years
postgraduate	2	PhD level
primary school	10	
professionals	3	
sailors	2	
school	36	if not specified, or if for both primary & secondary education are aimed at.
science center	1	
scientists	9	
secondary school	15	
snorkelers	4	
social scientists	3	
teachers	36	if specific for teachers (if it's not very specific for teachers, but for both teachers and kids, then use "school")

## Language

This field contains all languages that appear, whether in small or large amount, on a specific resource website or link. Most of the resources are, at least, partially in English, but many are nearly only

available in their local language. Sometimes websites contain an English introduction or project description, but for instance only local language teaching materials.

### Country

The resources are either of European origin or have a strong European leg or applicability. A resource can be linked to more than one country at a time. The countries are abbreviated in the selection box. See the table below for their full names. Note that, besides countries, the categories 'Worldwide', 'Mediterranean' and 'Baltic' are added, as well as two regions: UK-Scotland, and UK-Northern Ireland.

Category	#	Remarks
<b>Baltic</b>	1	Baltic states
<b>BE</b>	6	Belgium
<b>BUL</b>	1	Bulgaria
<b>DE</b>	7	Germany
<b>DK</b>	2	Denmark
<b>EE</b>	1	Estonia
<b>ES</b>	12	Spain
<b>FI</b>	3	Finland
<b>FR</b>	9	France
<b>GR</b>	4	Greece
<b>IE</b>	9	Ireland
<b>IT</b>	6	Italy
<b>LV</b>	1	Latvia
<b>Malta</b>	1	Malta
<b>Mediterranean</b>	1	Mediterranean
<b>NL</b>	4	The Netherlands
<b>NO</b>	3	Norway
<b>PO</b>	2	Poland
<b>PT</b>	17	Portugal
<b>RO</b>	1	Romania
<b>SE</b>	10	Sweden
<b>UK</b>	31	United Kingdom
<b>UK (N-IE)</b>	1	Northern-Ireland
<b>UK (SCOT)</b>	2	Scotland
<b>US</b>	3	United States
<b>Worldwide</b>	6	Worldwide

### Activity type

This field answers the question “what is the type of activity or project presented through this link?” This

can refer to e.g. excursions, exhibitions, workshops, an online information platform, citizen science, etc. 'Activity type' may refer to more than one type of activity, as a single web link may lead the visitor to multiple types of activities.

Category	#	Remarks
aquarium	1	
citizen science	25	
cleaning activity	1	
competition	13	
conference	4	
discussion forum	1	
education project	40	
event	15	
excursion	29	
exhibition	16	
label	1	
movie	9	This only concerns real movies, this is not about 'videos' of a few minutes that are shared on the site, this is about the <i>project itself</i> being the <i>development of a movie</i> .
network	1	
news	1	
online information platform	38	When the website is clearly a site full of information about marine organisms, the ocean, or anything to do with the ocean, it is categorized as 'online information platform'.
research project	19	A scientific research project (or social sciences research project) with a clear outreach/education component.
science fair	4	
Summer school	4	
talks	4	
training	1	
visitor center	1	
workshop	33	

## Resource type

This field answers the question “*what can you get or download from this website?*” Resources can contain learning materials (e.g. classroom activities), blogs, videos, photos or sounds, and many more. The field ‘resource type’ can be filled with more than one type of resources, as a single web link may lead the visitor to multiple resources of different types.

The difference between ‘Resource Type’ and ‘Activity Type’ is that ‘Activity Type’ refers to what the providers of the resources have organized as their core activities, while ‘Resource Type’ refers to the actual material they are placing online for users to read, consult or download directly. Some organizations may e.g. have organized an excursion (= Activity Type), and have published the work sheets that one can use when organizing their own excursion (= Resource Type), or they may only have published a short description of their excursion, with no further detail on the content of it (= abstract), or may have published videos of their excursion (=video). The differentiation between these two categories allows you to specifically choose for what kind of materials you are looking for (teacher documents, videos, photos, an abstract/description just for inspiration, a blog, etc.) about any kind of activity (excursion, summerschool, workshop) you are interested in.

For more details about the different categories, check this table:

Category	#	Remarks
<b>abstract</b>	55	Anything that is a "short description", whether it is a real official abstract, or a short description of a project, event, workshop, etc. on a website. We may rename this later on to "abstract/short."
<b>activities</b>	1	
<b>audio: podcast</b>	1	
<b>bibliography</b>	6	
<b>blog/diary</b>	19	
<b>booklet</b>	17	
<b>classroom activity</b>	26	We may (later on) merge this with classroom experiment, but for now, keep it separate. Classroom activity refers to documents that describe an activity/game that can be done with students in the classroom. These documents often contain fill-in sheets and exercises.
<b>classroom experiment</b>	13	We may (later on) merge this with classroom activity, but for now, keep it separate. Classroom experiment refers to things teachers can do in a lab-like environment, i.e. with "real stuff", like animals, plants, sand, chemical substances, water, etc.
<b>database</b>	14	
<b>fact sheet</b>	36	This refers to (often short) pieces of text with basic information about e.g. a number of fish species (incl. their name, occurrence, specificities, a picture or video, etc.). Fact sheets can also be about non-organic things (e.g. in physics, or even conceptual things).

<b>field experiment</b>	1	
<b>field guide/field protocol</b>	13	
<b>game</b>	16	
<b>glossary</b>	2	
<b>image/infographic</b>	19	
<b>information</b>	69	This refers to the availability of (often) extended information about a topic or about marine organisms. If the information is mainly describing a project (and not the subjects tackled in the project), then it is better to write "report" or "abstract".
<b>leaflet</b>	1	
<b>manual</b>	5	
<b>map</b>	19	
<b>metadata</b>	4	
<b>newsletter</b>	15	
<b>offline: physical object</b>	1	
<b>photo</b>	47	
<b>portal</b>	11	
<b>poster</b>	14	
<b>presentation</b>	12	
<b>publication</b>	6	
<b>quiz</b>	1	
<b>recipe</b>	3	
<b>report</b>	30	This refers to either a real 'report', either report-like information on a website. This information often describes a project or an activity, yet not the phenomena (organisms, ocean topics) that are being tackled in this project or event.
<b>social media</b>	3	
<b>sound</b>	1	
<b>travel ideas</b>	1	
<b>video</b>	42	
<b>virtual lab</b>	1	

### **Description:**

In the field 'description' people can write any (key)word, that will be sought in the descriptions of the projects.

## 2. Presentation of results

The screenshot displays the Sea Change Project website interface. The search results for 'Adopt a float' are highlighted. Annotations include:

- Title:** Points to the resource title 'Adopt a float'.
- Description:** Points to the text describing the project: 'Adopt a float' allows a class to follow an underwater robot of the + profiling float + ARGO-type during its scientific voyage.
- Affiliation:** Points to the organization name 'Observatoire Océanologique de Villefranche (OOV)'.
- Link:** Points to the 'Visit the website' button.
- Language:** Points to the language selection buttons (DAN, DEN).
- Country:** Points to the Danish flag.

A large box on the right is labeled **RESULTS**. Another box on the right lists **Activity Types**, **Resource Types**, and **Audiences**.

www.seachangeproject.eu

### Title

Title or acronym of the project, website, organization, activity or resource.

### Affiliation

Affiliation refers to the main organizing institution behind a project delivering the resource(s).

### Languages

Languages are shown as abbreviations in blue buttons.

## Countries

Countries are shown by their national flags (buttons). Some resources were specifically subnational/regional, and are shown by their respective regional flag (Scotland, Northern-Ireland),



European wide initiatives are indicated with the European flag



Projects that have a worldwide, Mediterranean or Baltic fingerprint, are represented by the following



buttons:

## Description

Descriptions of the resources are using as many keywords as possible, giving a quick overview on which topics the resources cover or what sort of materials they provide, making the database more useful for searches using a free search field. Descriptions are kept short, between 30 and 130 words (most of them between 50 and 100 words).

## Link to resource

Link to the resource, practice or website providing resources. A few of the entries are social media pages.

## Twitter link

Tweet about this resource as to give your opinion and rating for it. Would you recommend it to other users?

## Activity type, Audience, Resource Type

Your selected options for Activity Type, Audience and Resource Type are indicated here.



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