



Sea Change Ocean EDGE User's Manual

Version 2. July 2016

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.

A screenshot of the search interface for the Sea Change Ocean EDGE database. The interface is set against a light beige background. It features several search filters: 'Audience', 'Language', 'Country', and 'Activity Type' are each represented by a white drop-down menu with a small downward arrow on the right. Below these, 'Resource Type' is another drop-down menu, and 'Description' is a white text input field. To the right of the 'Description' field are two rounded rectangular buttons: 'Apply' and 'Reset'. All text labels for the filters are in a bold, dark font.

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
Baltic	1	Baltic states
BE	6	Belgium
BUL	1	Bulgaria
DE	7	Germany
DK	2	Denmark
EE	1	Estonia
ES	12	Spain
FI	3	Finland
FR	9	France
GR	4	Greece
IE	9	Ireland
IT	6	Italy
LV	1	Latvia
Malta	1	Malta
Mediterranean	1	Mediterranean
NL	4	The Netherlands
NO	3	Norway
PO	2	Poland
PT	17	Portugal
RO	1	Romania
SE	10	Sweden
UK	31	United Kingdom
UK (N-IE)	1	Northern-Ireland
UK (SCOT)	2	Scotland
US	3	United States
Worldwide	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
abstract	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."
activities	1	
audio: podcast	1	
bibliography	6	
blog/diary	19	
booklet	17	
classroom activity	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.
classroom experiment	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.
database	14	
fact sheet	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).

field experiment	1	
field guide/field protocol	13	
game	16	
glossary	2	
image/infographic	19	
information	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".
leaflet	1	
manual	5	
map	19	
metadata	4	
newsletter	15	
offline: physical object	1	
photo	47	
portal	11	
poster	14	
presentation	12	
publication	6	
quiz	1	
recipe	3	
report	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.
social media	3	
sound	1	
travel ideas	1	
video	42	
virtual lab	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 shows the Sea Change Project database interface. The page title is "OUR OCEAN | OUR HEALTH". The URL is "seachangeproject.eu/seachange-media-4/seachange-database". The page features a search bar and a list of resources. The first resource is "Adopt a float" by "Observatoire Océanologique de Villefranche (OOV)". The description mentions "Adopt a float" allows a class to follow an underwater robot. The language is indicated by a "FR" button. The country is indicated by a "FR" button. The link is "Visit the website". The activity types are "abstract", "blog/diary", "classroom activity", "image/infographic", "information", "map", "photo", "report", and "video". The resource types are "online information platform" and "school". The audiences are "resource on facebook" and "resource on twitter".

RESULTS

Title → Adopt a float

Description → "Adopt a float" allows a class to follow an underwater robot of the « profiling float » ARGO-type during its scientific voyage. The trajectory of the float brings the students into an oceanic zone (e.g. the Mediterranean or the North Atlantic) and, in real-time, allows them to participate in the depth-temperature-salinity observations collected by this float. To adopt and follow a profiling float also means an engagement to share the scientific data collected by the website. The only way to adopt a float is to contact a scientific mediator to prepare courses on associated research topics.

Affiliation → Observatoire Océanologique de Villefranche (OOV)

Link → Visit the website

Activity Types
Resource Types
Audiences

Language → FR

Country → FR

Abstract | **Blog/diary** | **Classroom activity** | **Image/infographic** | **Information** | **Map** | **Photo** | **Report** | **Video**

Online information platform | **School**

Resource on facebook | **Resource on twitter**

Aaleekspedition
Denmarks Tekniske Universitet

Visit the website | **Tweet about this resource** | **Share this resource on facebook**

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.



This project has received funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation (H2020-BG-2014-1) under grant agreement No. 652644. This publication/multimedia product/presentation reflects the views of the author, and the European Union cannot be held responsible for any use which might be made of the information contained therein.