

Deliverable 2.3 – Upgraded info-base

Grant Agreement n° 244164

Acronym: MarineTT

Title: European Marine Research Knowledge Transfer and Uptake of Results

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4. Aim and Scope of the Upgraded Infobase

The MarineTT project – European Marine Research Knowledge Transfer and Uptake of Results – is an FP7 Coordination and Support Action (February 2010 - July 2012) that has been piloting new methodologies and tools for capturing, analysing and transferring knowledge from past and in-progress EC projects from the 6th and 7th Framework Programmes (FP6 and FP7 respectively). MarineTT has thus focused on the collection, analysis and synthesis of ‘Knowledge Outputs’ (hereafter referred to as KOs) of marine-related European funded projects in the form of exploitable results, rather than the promotion of the projects per se.

In order to provide free and easy access to the information gathered through MarineTT, the Marine Knowledge Gate 1.0¹ was developed and launched in March 2012 as part of *Work Package 2 on Information Management* (WP2) – an online infrastructure to collate, manage and deliver information from EU-funded marine research projects and the knowledge generated (KOs).

Taking advantage of previous efforts, the Marine Knowledge Gate 1.0 is an upgrade of the EurOcean European Marine Research Funded Projects Infobase (EurOcean_MaP Infobase)², which already provided a wealth of information on marine science and technology projects funded through several Funding Programmes, including FP6. The EurOcean_MaP Infobase was first adapted by integrating FP7 (see Deliverable 2.1 “Adapted System and Search Facility”). The system was then further upgraded in order to include the information gathered through MarineTT on the knowledge generated by FP6 and FP7 marine projects.

The upgraded version includes two interlinked components to facilitate navigation: a ‘Projects’ component, including FP7 projects; and a new ‘KOs’ component, with the information on KOs provided by project coordinators³ (for a detailed description of the collection of KOs see Deliverable 2.4 “Marine Projects Gathering Methodology”). This innovative online tool also includes a tailored search functionality in line with cutting-edge search engines (e.g. Google), which direct users to the most relevant information they need consequently improving the “access to EU research results for industry, multipliers, the civil society, and policy-makers”⁴.

The Marine Knowledge Gate 1.0 has been continuously updated with FP7 marine related projects during the lifetime of MarineTT, with the last update corresponding to the 30th of June 2011⁵. Additionally, the Marine Knowledge Gate 1.0 will be in place after the end of the MarineTT project and different Funding Programmes will be further updated on a regular basis.

¹ Marine Knowledge Gate 1.0: <http://www.kg.eurocean.org/>

² EurOcean_MaP Infobase – available online on EurOcean Portal since March 2007, provided an inventory of 772 marine science and technology projects funded through seven Funding Programmes (COST, EUROCORES, EUREKA, LIFE, INTERREG III, SMAP & FP6).

³ The information on KOs was gathered through a MarineTT online survey targeting the project coordinators of 325 marine projects from FP6 and of 184 from FP7 available at the EC CORDIS online database as of the 31st of May 2010. A total of 593 KOs (432 KOs from 102 FP6 projects and 161 from 46 FP7 projects) have been finally incorporated in the Marine Knowledge Gate 1.0 after their analysis and synthesis carried out by the MarineTT Team and further validation by a group of external European experts and the corresponding project coordinators.

⁴ Information source: MarineTT Description of Work

⁵ Note that the information collection process for KOs was based on the FP6 and FP7 marine related projects available at the EC CORDIS online database as of the 31st of May 2010. Nevertheless, the collection of information from FP7 projects has continued during the lifetime of MarineTT, although without gathering information on KOs.

5. Structure of the Marine Knowledge Gate 1.0

The Marine Knowledge Gate 1.0 includes two interlinked components – ‘Projects’ and ‘Knowledge Outputs’ (KOs) – to facilitate access to and navigation across the information available. Additionally, the Marine Knowledge Gate 1.0 has three different infobase layers, namely: ‘Homepage’, ‘Search Records’ page, ‘Individual Records’ page.

5.1. Information Fields

The fields of information provided are specific for each of the two components of the Marine Knowledge Gate 1.0, namely: ‘Projects’ and ‘KOs’. Nevertheless, the ‘Projects’ component provides the list of related KOs when available, and the ‘KOs’ component provides key information on the related project. A detailed description of the information fields is provided in Deliverable 2.2 “Research Project Profile Template”.

From the three layers of the Marine Knowledge Gate 1.0 (‘Homepage’, ‘Search Records’ page, ‘Individual Records’ page), the fields for both ‘Projects’ and ‘KOs’ are provided in the ‘Individual Record’ page: ‘Description of the Project’ page for the ‘Projects’ Component and, ‘Description of the KO’ page for the ‘KOs’ Component.

Information Fields for ‘Projects’

The information fields of projects are mainly based on the Standard Project Details available on the official sources of information of EU-funded research projects⁶ for each of the Programmes offered in the infobase. The fields ultimately depend on the specificities of the Programme (e.g. FP6 Activity Area vs. FP7 Themes). The list of information fields for projects for all the available Programmes is the following:

- | | |
|--|---|
| • Acronym | • Start Year |
| • Title | • End Year |
| • Programme | • Duration |
| • Action (only for COST projects) | • Project Coordinator (including link to e-mail ⁷) |
| • Technical Area (only for EUREKA projects) | • Coordinator Country |
| • EUROCORES Programme (only for EUROCORES projects) | • Other Countries Involved |
| • Activity Area (only for FP6) | • Coordinator Institution |
| • Theme (only for FP7) | • Other Institutions Involved |
| • Instrument (Contract Type) (only for FP6 & FP7) | • Project Funding |
| • Regional Area (only for INTERREG III) | • Project Summary |
| • Strand (only for INTERREG III) | • Project Website ⁸ |
| • Priority (only for SMAP) | • Final Report ⁹ |
| | • Related Knowledge Outputs |

⁶ COST Actions Search: http://www.cost.esf.org/domains_actions/all_actions

EUREKA Projects Search: <http://www.eurekanetwork.org/project-search>

EUROCORES Completed Programmes: <http://www.esf.org/activities/eurocores/completed-programmes.html>

FP6 & FP7 EC CORDIS: http://cordis.europa.eu/projects/home_en.html

INTERREG III - EC Regional Policy – InfoREGIO: http://ec.europa.eu/regional_policy/archive/interreg3/abc/abc_en.htm

LIFE Projects Search: <http://ec.europa.eu/environment/life/project/Projects/index.cfm>

SMAP Website no longer active

⁷ Project coordinators emails are extracted from the Internet (e.g. project websites, institutional websites) when not accessible in the official information sources on European research projects.

⁸ Project websites are directly extracted from the Internet when not available in the official sources of European research projects.

⁹ Links to Project Final Reports are provided, when available, which are stored in the official information sources on European research projects (e.g. CORDIS Documents Library)

Information Fields for 'KOs'

The information fields of KOs were first defined for gathering information from project coordinators through the MarineTT Survey¹⁰ (i.e. the source of information for KOs). The information was further verified, completed and synthesised by the MarineTT Team, when required. It was finally validated by a group of external European experts and the corresponding project coordinators.

- **KO Title**
- **KO Description**
- **KO Type**
- **Potential End Users & Applications**
- **Sectors & Subsectors to potentially benefit**
- **Publicly Available**
- **KO Source of Information**
- **Link to KO Source of Information**
- **IP/Confidentiality**
- **KO Status**
- **Date of Collection of Information**
- **Other Knowledge Outputs from the Project**

Note that 'Potential End Users & Applications' and 'Sectors & Subsectors to potentially benefit' were extra fields resulting from the process of analysis and validation of the information on KOs.

The information fields provided for the Related Project are the following:

- **Project Acronym**
- **Programme**
- **Project End Year**
- **Project Coordinator** (including link to e-mail)
- **Project Funding**

5.2. Search Functionality

The Marine Knowledge Gate 1.0 provides Search Functionality for users to extract information through the search fields provided for each of the two main interlinked components of the infobase – 'Projects' and 'KOs'.

The user can select one option from each of the search fields provided and extract the list of records under the search criteria selected. The Search Query is always visible at the top of the corresponding list of records, allowing the user to keep track of the choices made. The number of records extracted under a certain Search Query is also provided at the top of the corresponding list of records under the heading of 'Search Results'.

'Search Tips' are always accessible through the banner at the bottom of any of the infobase layers to assist users in the searching process.

¹⁰ See Deliverable 2.4 "Marine Projects Gathering Methodology" for a detailed description of the collection of KOs.

Additionally, the homepage interactive graphs, besides visually displaying the content of the infobase, also provide pre-determined search options that guide users through the information available in the infobase.

The Search Functionality is provided both in the Homepage and in the 'Search Records' page. The 'Search Records' page provides specific search fields according to the infobase component – 'Projects' or 'KOs'.

Homepage

The homepage of the Marine Knowledge Gate provides direct access to the two interlinked components: 'Projects' and 'KOs'. It also provides direct access to list of projects from each of the Programmes available in the infobase.

Additionally, the homepage interactive graphics provide direct access to the information available in the infobase through pre-determined search options based on three major indicators (Programmes, Countries and Funding), taking users to the list of records under the selected category (e.g. list of projects under the COST Programme; list of KOs under the FP6 Programme; list of projects in which UK is part of the Project Consortium; list of KOs in which France is part of the Project Consortium; list of projects with less than 300K Euros of EU Funding; list of KOs generated by projects with EU Funding between 600K and 900K Euros).

Figure 1 below provides an example of the homepage interactive graphs of the Marine Knowledge Gate 1.0 by showing a snapshot of the homepage interactive graph of Projects and KOs by Programme. This snapshot also shows the search fields available in the homepage ('Projects', 'Knowledge Outputs', and 'Programmes', including the different options of Programmes provided in the infobase).

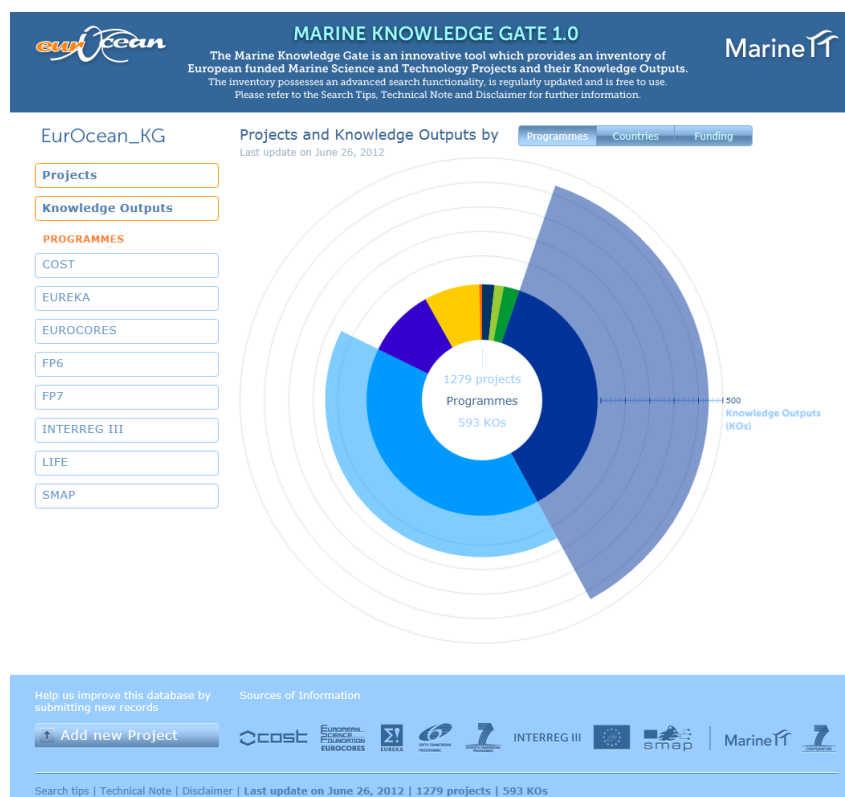


Figure 1. Snapshot of homepage of the Marine Knowledge Gate 1.0

Search Fields for 'Projects'

The search fields available in the 'Search Records' page for 'Projects' are: Free Text, Programmes, Countries, Countries 2, FP6 / FP7 Institutions, Duration, Project Funding, Instruments, FP6 Activity Areas, FP7 Themes, Interreg Regional Areas, and FP6 / FP7 Knowledge Outputs.

Free Text	allows for searching projects according to terms in the Project Acronym, Title and Summary. Note that the 'Free Text', although not case sensitive, searches in the exact order of the terms included
Programmes	allows for searching projects according to the Programmes available in the infobase
Countries	allows for searching the projects in which a 'Continent' or a 'Country' participate either as Coordinator or as Partner
Countries 2	allows for a cross-search once a 'Continent' or a 'Country' is selected under the Countries search option, and retrieves the projects in which the 2 options selected are part of the Project Consortium (e.g. projects in which 'Continent' or 'Country' "1" AND 'Continent' or 'Country' "2" participate either as Coordinators or as Partners)
FP6 / FP7 Institutions	allows for searching projects according to terms in the Institution Acronym and Name, in English or in native language whenever the official English name is not available; an auto-complete functionality also allows the user to easily select an option from the list of available institutions. Note that institutions are currently available only for FP6 and FP7 projects
Duration	allows for searching projects according to intervals of years in which the Project 'Start Year' and 'End Year' are included
Project Funding	allows for searching projects by intervals of EU Funding Allocation; the intervals offered have been selected in order to provide the best possible representation of the universe of information (please refer to 'Projects and KOs by Funding' in the <i>Homepage Interactive Graphs</i> section below)
Instruments	allows for searching projects according to the Funding Instruments of FP6 or of FP7
FP6 Activity Areas	allows for searching projects according to the Activity Areas of FP6
FP7 Themes	allows for searching projects according to the Themes of FP7
Interreg Regional Areas	allows for searching projects according to the Regional Areas of INTERREG
FP6 / FP7 Knowledge Outputs	allows for searching projects containing information on the knowledge generated (KOs). Note that information on KOs is currently available only for FP6 and FP7 projects.

A practical example showing the advanced search functionality for 'Projects' is the following:

Example 1: list of Environment projects under a certain Search Query

When searching for EU-funded marine projects under FP7 (514 records) from the Environment Theme (59 records), that are Large-Scale Integrating Projects (32 records), in which Ireland (163 records) and Portugal (262 records) are both involved either as Coordinator or as Partner (80 records out of the cross-search), starting and ending between 2008 and 2012 (342 records), with a funding allocated between 4.2 and 14M€ (121 records), and that contain information about the knowledge generated or KOs (148 records), a list of 2 records is retrieved, with the HERMIONE and WISER projects. The result of the Search Criteria from **Example 1** is provided in *Figure 2* below.

Projects

Knowledge Outputs

Free Text...

PROGRAMMES

- ANY PROGRAMME
- FP7

COUNTRIES

- ANY COUNTRY
- EUROPE
- IRELAND

COUNTRIES 2

- ANY COUNTRIES 2
- EUROPE
- PORTUGAL

FP6/FP7 INSTITUTIONS

DURATION

2008 - 2012

PROJECT FUNDING

- ANY PROJECT FUNDING
- 4.2M - 14M

INSTRUMENTS

- ANY INSTRUMENT
- FP7
- LARGE-SCALE INTEGRATING PROJECT

FP6 ACTIVITY AREAS

FP7 THEMES

- ANY FP7 THEME
- ENVIRONMENT - ENVIRONMENT (INCLUDING CLIMATE CHANGE)

INTERREG REGIONAL AREAS

FP6/FP7 KNOWLEDGE OUTPUTS

- ANY FP6/FP7 KNOWLEDGE OUTPUT
- YES

SEARCH QUERY: Programmes FP7 | Countries Ireland | Countries 2 Portugal | Duration 2008-2012 | Instruments Large-scale integrating project | FP7 Themes ENVIRONMENT - Environment (including Climate change) | FP6/FP7 Knowledge Outputs Yes | Project Funding 4.2m - 14m

SEARCH RESULTS: 2 records

Printable tabular PDF

Reset

See full results

2 records

Project Coordinator Institution	Coord. Country	Duration
HERMIONE - Hotspot ecosystem research and Man's impact on European seas NERC - Natural Environment Research Council	United Kingdom	2009 to 2012
WISER - Water bodies in Europe: integrative systems to assess ecological status and recovery University Duisburg-Essen	Germany	2009 to 2012
See full results		2 records

Help us improve this database by submitting new records

Sources of Information

Add new Project



INTERREG III



Marine IT



Search tips | Technical Note | Disclaimer | Last update on June 26, 2012 | 1279 projects | 593 KOs

Figure 2. Example of the list of Environment projects under a certain Search Criteria

Search Fields for 'KOs'

The search fields available in the 'Search Records' page for 'KOs' are: Free Text, KO Type, Potential End Users, Sectors to Benefit, Publicly Available, KO Status, Programmes, Countries, Countries 2, and Project Funding.


Free Text	allows for searching KOs according to terms in the KO Title and Description as well as in the Acronym of the Related/Source Project. Note that the 'Free Text', although not case sensitive, searches in the exact order of the terms included
KO Type	allows for searching KOs according to the different categories of knowledge items produced in the course of research projects. Note that the KO Type classification was created in the context of the MarineTT Project
Potential End Users	allows for searching KOs according to the users that might benefit from the KO, according to the responses of the project coordinators to the MarineTT Survey (KOs information source). Additionally, for each End User, potential applications were identified by the MarineTT Team and further validated by a group of external European experts. Note that the classification for Potential End Users of the KOs was created in the context of the MarineTT Project
Sectors to Benefit	allows for searching KOs according to the Sectors and Subsectors to potentially benefit from the KO, which were identified by the MarineTT Team and further validated by a group of European experts. Note that the Sectors/Subsectors classification was created in the context of the MarineTT Project
Publicly Available	allows for searching KOs with information available in the public domain; relevant links are provided when possible. Note that the 'Unknown' category is for those records where there is no information on whether the KO is publicly available or not
KO Status	allows searching for KOs that are completed. Note that the 'In Progress' category refers to those KOs that were not completed at the time that the information was provided by the Project Coordinators through the MarineTT Survey (July -October 2010). Although this information is to be further updated in due time, we advise you to contact the Project Coordinator for updated information on a specific KO
Programmes	allows for searching KOs under the Programmes available in the infobase. Note that KOs information is currently available only for FP6 and FP7, although KOs from the other Programmes will be collected and uploaded in the EurOcean_KG in due time. Thus, any Project Coordinator from the different Programmes available in EurOcean_KG is able to add KOs through the 'Add KO' and/or 'Update KO' functionalities
Countries	allows for searching the KOs in which a 'Continent' or a 'Country' participates either as coordinator or as partner in the project generating the knowledge
Countries 2	allows for a cross-search once a 'Continent' or a 'Country' is selected under the Countries search option, and retrieves the KOs generated by the projects in which the 2 options selected are part of the Project Consortium (e.g. projects in which 'Continent' or 'Country' "1" AND 'Continent' or 'Country' "2" participate either as Coordinators or as Partners of the projects generating the KOs)
Project Funding	allows for searching KOs by intervals of EU Funding allocated to the projects generating the KOs; the intervals offered have been selected in order to provide the best possible representation of the universe of information (please refer to 'Projects and KOs by Funding' in the <i>Homepage Interactive Graphs</i> section below)

Note that the search fields 'Potential End-Users' and 'Sectors to Benefit' may assist different types of stakeholder (e.g. policy-makers, environmental managers, SMEs, etc.) to search for the information on the knowledge that might be of use to them. The search field 'KO Type' might be also useful in this regard.

A practical example showing the advanced search functionality for 'KOs' is the following:


Example 2: list of KOs from FP7 projects under a certain Search Query

When searching for KOs from EU-funded marine projects from the FP7 (161 records), in which Ireland (176 records) and Portugal (216 records) are both involved either as Coordinator or as Partner (94 records out of the cross-search), belonging to projects with a funding allocated between 4.2 and 14M€ (167 records), and that are completed (500 records) and publicly available (442 records), a list of 6 records is retrieved belonging to 3 different projects (HERMIONE; MARINA PLATFORM, and WISER). The result of the Search Criteria from **Example 2** is provided in *Figure 3* below.



MARINE KNOWLEDGE GATE 1.0

The Marine Knowledge Gate is an innovative tool which provides an inventory of European funded Marine Science and Technology Projects and their Knowledge Outputs. The inventory possesses an advanced search functionality, is regularly updated and is free to use. Please refer to the Search Tips, Technical Note and Disclaimer for further information.



Projects

Knowledge Outputs

Free Text...

▼ KO TYPES

▼ POTENTIAL END USERS

▼ SECTORS TO BENEFIT

▼ PUBLICLY AVAILABLE

▼ ANY PUBLICLY AVAILABLE YES

▼ KO STATUS

▼ ANY KO STATUS COMPLETED

▼ PROGRAMMES

▼ ANY PROGRAMME FP7

▼ COUNTRIES

▼ ANY COUNTRY

▼ EUROPE

▼ IRELAND

▼ COUNTRIES 2

▼ ANY COUNTRIES 2

▼ EUROPE

▼ PORTUGAL

▼ PROJECT FUNDING

▼ ANY PROJECT FUNDING 4.2M - 14M

SEARCH QUERY: Programmes FP7 | Publicly Available Yes | KO Status Completed | Countries Ireland | Countries 2 Portugal | Project Funding 4.2m - 14m

SEARCH RESULTS: 6 records

Printable tabular PDF

Reset

See full results 6 records










KO Title	KO Type	Project acronym
Hotspot Ecosystem Research and Man's Impact On European Seas Publications	Scientific Publication	HERMIONE
Deep-Sea Briefs	Report	HERMIONE
Online Learning Zone on the Deep-Sea	Training Activity/Learning Module	HERMIONE
Maximum and Actual Capture Width Ratio of Wave Energy Converters (WECs) Publication	Scientific Publication	MARINA PLATFORM
Multi-Purpose Renewable Energy Platforms (MRE) Assessment	Report	MARINA PLATFORM
Water Ecological Status Assessment Methods Database	Services/Tools	WISER

See full results 6 records

Help us improve this database by submitting new records

Add new Project

Sources of Information

Search tips | Technical Note | Disclaimer | Last update on June 26, 2012 | 1279 projects | 593 KOs

Figure 3. Example of the list of KOs from FP7 projects under a certain Search Criteria

5.3. Display Options and Tools

The Marine Knowledge Gate 1.0 provides users with different information display options and tools, which can be divided into the different infobase layers, namely: 'Homepage', 'Search Records' page, 'Individual Records' page.

Homepage

In the homepage, interactive graphs are available that display the total number of 'Projects' and 'KOs' available at the time of accessing the Marine Knowledge Gate 1.0 according to the following indicators: Programmes, Countries and Funding.

As may be seen in the figures below, the number of projects is represented by the proportion of space occupied in the inner circle, whereas the number of KOs, when available, is represented by the space occupied in the X axis in the outer circle. Isolines are provided to help visualising the number of KOs. The exact figures (number of Projects and KOs) are provided in pop-up boxes that appear when the cursor is placed on top of a particular area of the graph.

Programmes: the graph represents the total number of Projects and KOs for each of the Programmes available in the Marine Knowledge Gate 1.0.

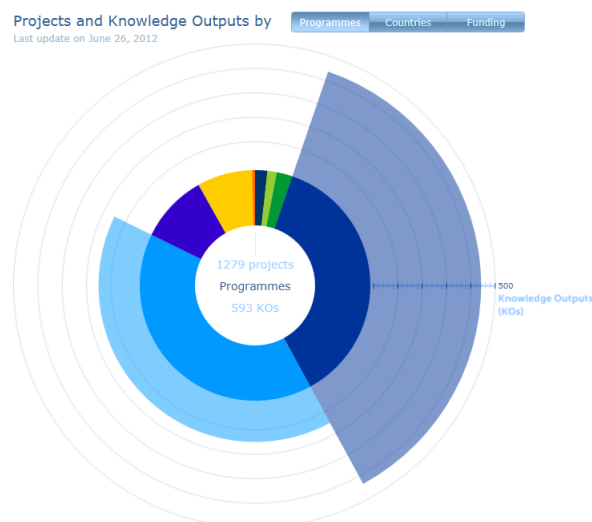


Figure 4. Homepage interactive graph on Projects and KOs by Programme

Countries: the graph represents the total number of Projects and associated KOs by top participating countries in research projects, either as Project Coordinator or Partner. Note that the KOs are assigned to the Project Consortium.

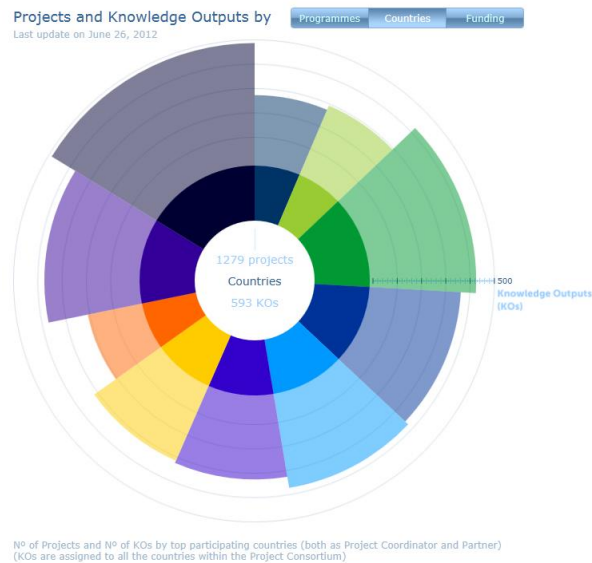


Figure 5. Homepage interactive graph on Projects and KOs by Countries

Funding: the graph represents the total number of Projects within intervals of allocated EU Funding and the total number of associated KOs generated under those projects.

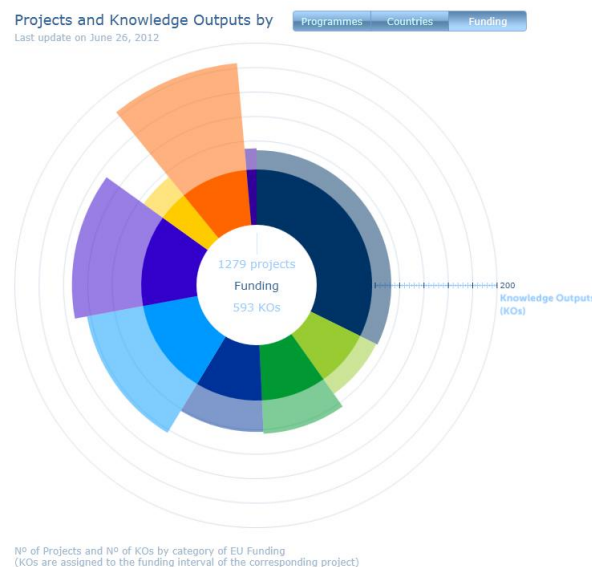


Figure 6. Homepage interactive graph on Projects and KOs by Funding

The intervals have been selected in order to provide the best possible representation of the universe of information, with smaller intervals (300K Euros) for those funding ranges with the highest number of Projects and bigger intervals (1M Euros or higher) for those ranges of funding with fewer number of Projects. Note that the KOs are assigned to the funding interval of the corresponding project.

Search Records

In the 'Search Records' page, the search fields together with the list of records are provided simultaneously. The different options under each search field are displayed when clicking on the search field name. The list of records is automatically updated upon conducting each single search. For the list of search fields refer to *Search Functionality* section above.

✓ Search Query

The search options selected are always visible at the top of the corresponding list of records, allowing the user to keep track of the choices made.

✓ Search Results

The number of records extracted under a certain Search Query is also provided at the top of the corresponding list of records under the heading of 'Search Results'.

✓ List of Records Fields

The information provided in the list of records is specific for each of the two components of the infobase: 'Projects' and 'Knowledge Outputs' (KOs).

- *Projects*: the information provided in the list of records for Projects is the Project Acronym and Title, Coordinator Institution Acronym and Name, the Coordinator Country and the Duration of the project.
- *KOs*: the information provided in the list of records for KOs is the KO Title, KO Type and Project Acronym.

✓ Online List Sorting Tool

In order to assist users to visualise and navigate across the records, the list can be sorted alphabetically by any of the fields provided in list of records table, by clicking the corresponding name in the column heading.

✓ List of Records Display Tool

The list of records can be displayed all at once ('See full results' option) or in batches of 20 records ('See paged results' option). The 'See paged results' option provides batches of 20 records and a system to navigate from page to page is provided at the top and at the bottom of the list of records of each page.

Figure 7 below provides the list of records for Projects that have been sorted by the Project Acronym under the 'See paged results' option.



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MARINE KNOWLEDGE GATE 1.0

The Marine Knowledge Gate is an innovative tool which provides an inventory of European funded Marine Science and Technology Projects and their Knowledge Outputs. The inventory possesses an advanced search functionality, is regularly updated and is free to use. Please refer to the Search Tips, Technical Note and Disclaimer for further information.



Marine IT

Projects

Knowledge Outputs

Free Text...

PROGRAMMES

COUNTRIES

FP6/FP7 INSTITUTIONS

DURATION

PROJECT FUNDING

INSTRUMENTS

FP6 ACTIVITY AREAS

FP7 THEMES

INTERREG REGIONAL AREAS

FP6/FP7 KNOWLEDGE OUTPUTS

SEARCH RESULTS: 1279 records

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Reset

See full results

1 2 3 4 5 6 7 8 9 10 - > >>

Project Coordinator Institution	Coord. Country	Duration
2007UWM - Let's discover 2007 underwater mysteries HCMR - Hellenic Center for Marine Research	Greece	2007 to 2007
3DMULTICAM - Accurate and instantaneous subsea 3D measurement by use of laser projection and parallelized close range photogrammetry Tordivel AS	Norway	2006 to 2009
3HAZ-CORINTH - Earthquakes, tsunamis and landslides in the Corinth rift, Greece A multidisciplinary approach for measuring, modelling, and predicting their triggering mode and their effects. Institut de Physique du Globe de Paris - Laboratoire de Sismologie	France	2004 to 2007
4SEAS - Synergies between science and society for a shared approach to European seas Mu.MA - Sea and Shipping Museums Institution	Italy	2008 to 2010
AAAG - The Atlantic Area Aquaculture Group	United Kingdom	2003 to 2006
ABFT SNP - Isolation and characterization of single nucleotide polymorphisms (SNPs) in Atlantic bluefin tuna (Thunnus thynnus) HCMR - Hellenic Center for Marine Research	Greece	2011 to 2013
ACCESS - Arctic Climate Change, Economy and Society UPMC - Pierre and Marie Curie University	France	2011 to 2015
ACMARE (CA) - Co-ordination action to implement an advisory council for maritime transport research in Europe Community of European Shipyards' Associations - R&D working group	Belgium	2005 to 2008
ACOBAR - Acoustic technology for observing the interior of the Arctic Ocean NERSC - Nansen Environmental and Remote Sensing Center Foundation	Norway	2008 to 2012
ACOUSTIC RAINFALL - Acoustic monitoring of marine rainfall HCMR - Hellenic Center for Marine Research	Greece	2009 to 2011
ADAPTIVE SPECIATION - Evolution of reproductive barriers and its implications for adaptive speciation The University of Sheffield	United Kingdom	2008 to 2010
ADELIEPENGUINSUCCESS - Long-term foraging success in an Antarctic top-predator, the Adélie Penguin: effect of individual quality, colony size and access to prey CEBC - Centre National de la Recherche Scientifique - Centre d'Études Biologiques de Chizé	France	2005 to 2008
ADOPT - Advanced decision support system for ship design, operation and training Flensburger Schiffbau-Gesellschaft mbH & Co. KG - TKB Basic Design	Germany	2005 to 2008
ADRI.FISH - Promotion of sustainable fishery in Northern Adriatic sea	Italy	2002 to 2005

See full results

1 2 3 4 5 6 7 8 9 10 - > >>

Help us improve this database by submitting new records

Add new Project

Sources of Information











Search tips | Technical Note | Disclaimer | Last update on June 26, 2012 | 1279 projects | 593 KOs

Figure 7. Snapshot of the list of records for Projects sorted by the Project Acronym under the ‘See paged results’ option



The list of records can be extracted as a printable PDF through the 'Printable tabular PDF' button.

Individual Records



The information of a certain record (Project or KO) can be also extracted in a printable format through the 'Printable PDF' button.

5.4. Navigations Tools

The Marine Knowledge Gate 1.0 has been developed with two main separate but interlinked components for easy navigation between the information on 'Projects' and the information on 'KOs'. Additionally, there are different levels of information: the list of records resulting from a certain search and the information from a specific record, Project or KO. Additionally, the homepage is the first access level to the information available in the infobase.

Due to the complexity entailed by these different layers of information, navigation tools are provided for the user to search easily and access the information required.

- ✓ The top banner of the Marine Knowledge Gate 1.0 is always available and clickable in any of the infobase layers and brings the user back to the homepage at once.



Figure 8. Snapshot of the Marine Knowledge Gate top banner

The banner also provides a hyperlinked MarineTT logo redirecting the users to the MarineTT website¹¹, in which information on the project is available.

The EurOcean logo is provided as the developer and host of the Marine Knowledge Gate 1.0. This logo is hyperlinked and brings the user to the EurOcean portal¹².

¹¹ MarineTT Project website: <http://www.marinett.eu/>

¹² EurOcean Portal: <http://www.eurocean.org/>

- ✓ In the 'Individual Records' page, the list of 'Related KOs' is provided, when available (see Figure 9 below). Each KO is clickable and brings the user to the corresponding 'Description of the KO' page.



MARINE KNOWLEDGE GATE 1.0
The Marine Knowledge Gate is an innovative tool which provides an inventory of European funded Marine Science and Technology Projects and their Knowledge Outputs. The inventory possesses an advanced search functionality, is regularly updated and is free to use. Please refer to the Search Tips, Technical Note and Disclaimer for further information.



[↑ Update Project](#)

[↑ Add KO](#)

[← Back to list](#)

[Printable PDF](#)

DESCRIPTION OF THE PROJECT

Acronym	ACOBAR
Title	Acoustic technology for observing the interior of the Arctic Ocean
Programme	FP7
Theme	ENVIRONMENT – Environment (including Climate change)
Instrument/Contract Type	FP7 - Small or medium-scale focused research project
Start Year	2008
End Year	2012
Funding	3,000,000.00€
Project Coordinator	Stein Sandven
Coordinator Country	Norway
Other Countries Involved	France; Germany; United Kingdom; United States of America
Coordinator Institution	NERSC - Nansen Environmental and Remote Sensing Center Foundation (Norway)
Other Institutions Involved	ACSA - Architecture et Conception de Systèmes Avancés (France) AWI - Alfred Wegener Institute for Polar and Marine Research (Germany) Aquatec Telemetry Ltd. (United Kingdom) Ecole Nationale Supérieure des Ingénieurs des Etudes et Techniques d'Armement (France) Optimare Sensorsysteme AG (Germany) UCSD - University of California, San Diego (United States of America) UPMC - Pierre and Marie Curie University (France) WHOI - Woods Hole Oceanographic Institution (United States of America)
Project Summary	ACOBAR will develop an observing system for the interior of the Arctic Ocean based on underwater acoustic methods including tomography, data transmission and communication to/from underwater platforms, and navigation of gliders. ACOBAR offers alternative methods to the ARGO system, which cannot be used in ice-covered seas, based on platforms located under the sea ice. Data collection and transmission from the water column, the seafloor and the subseafloor will be possible in ice-covered seas.
Project Website	http://acobar.nersc.no/
Final Report	Not available

RELATED KNOWLEDGE OUTPUTS

Acoustic Tomography Experiment in the Fram Strait for Design and Test of Arctic Ocean Observing System Components

Glider Experiments in the Fram Strait for Design and Test of Arctic Ocean Observing System Components


Acoustic Ice-Tethered Profilers (AITP) Tests for Design and Test of Arctic Ocean Observing System Components

Fram Strait Ocean Observatory

High Resolution Oceanographic Fram Strait Model

Help us improve this database by submitting new records
[↑ Add new Project](#)

Sources of Information







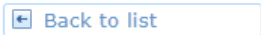






Figure 9. Snapshot of the 'Description of the Project' page for the ACOBAR in Marine Knowledge Gate 1.0

- ✓ In the 'Description of the KOs' page, the information on the 'Related Project' is provided. The Project Acronym is clickable and brings the user to the 'Description of the Project' page. The list of 'Other Knowledge Outputs from the Project' is also provided, when available (see *Figure 10* below). Each KOs is clickable and brings the user to the corresponding 'Description of the KO' page of the related KO.

DESCRIPTION OF THE KNOWLEDGE OUTPUT

KO Title	Fram Strait Ocean Observatory
KO Description	Integrated data and model system combining acoustic tomography, gliders, point measurements and ice-ocean modelling with data assimilation techniques, to improve the accuracy of the heat, mass and freshwater transport estimates through the Fram Strait.
KO Type	Services/Tools
Potential End Users & Applications	<p>Environmental Managers & Monitoring Government Agencies - data from the Arctic Ocean can have impact on decision making regarding human activities in the Arctic</p> <p>Industry Underwater Technology Companies & Ocean Observing Systems Developer</p> <p>Policy Makers / Decision Makers Provides data that can have impact on decision making regarding human activities in the Arctic</p> <p>Scientific Community Climate Change Researchers</p>
Sectors & Subsectors to potentially benefit	<p>Climate Change (Climate Change General)</p> <p>Maritime Industry (Engineering)</p> <p>Others (Modelling & Prediction, Socio-Economics)</p>
Publicly Available	Yes
KO Source of Information	Available on project website from the presentations at conferences and in draft papers.
Link to KO Source of Information	http://acobar.nersc.no
IP/Confidentiality	Yes
KO Status	In progress
Date of Collection of Information	2011/11/30


RELATED PROJECT

Project Acronym	ACOBAR
Programme	FP7
Project End Year	2012
Project Coordinator	Stein Sandven
Project Funding	3,000,000.00€










OTHER KNOWLEDGE OUTPUTS FROM THE PROJECT

- Acoustic Tomography Experiment in the Fram Strait for Design and Test of Arctic Ocean Observing System Components
- Glider Experiments in the Fram Strait for Design and Test of Arctic Ocean Observing System Components
- Acoustic Ice-Tethered Profilers (AITP) Tests for Design and Test of Arctic Ocean Observing System Components
- High Resolution Oceanographic Fram Strait Model

Help us improve this database by submitting new records

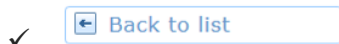


Sources of Information

Search tips | Technical Note | Disclaimer | Last update on June 26, 2012 | 1279 projects | 593 KOs

Figure 10. Snapshot of the 'Description of the Project' page for ACOBAR in Marine Knowledge Gate 1.0



From the page in which a specific record is described (Description of the Project or Description of the Knowledge Output), the 'Back to list' button allows the user to come back to the original 'List of Records' page in which the search was performed.

The 'Back to list' button will always bring the user back to the original 'List of Records' page in which the search was performed, regardless of the pages visited by the user either in the Projects component or in the KOs one.



The Reset button allows users to start a new search.

Note that a Search Query is only deleted when clicking the 'Reset' button; otherwise, the Search Query remains despite the user navigating from one component to another ('Projects' and 'KOs') or across the different infobase layers ('Homepage', 'Search Records' page, 'Individual Records' page), no matter how many clicks are made. The Search Query also remains when clicking the banner from any of the infobase layers to go directly to the homepage.

5.5. Update Functionalities

This functionality allows the user to Add new/Update existing Projects and KOs¹³. For each of these options, an online form is provided that is automatically delivered to the EurOcean Team upon submission (snapshots of the online forms to fill in information on 'Projects' and 'KOs' are provided in *Annex 1*). The information submitted is then validated by the EurOcean Team (MarineTT partner and developer and host of the Marine Knowledge Gate 1.0) before being displayed.

The form contains mandatory fields, including key contact details of the person submitting and basic details of the project, which allow the EurOcean Team to validate the source of the information. Non-mandatory fields include all the information fields for 'Projects' or 'KOs' (refer to *Information Fields* section above or see Deliverable 2.2 "Research Project Profile Template"). Additionally, an 'Observations' field provides users with a space to include any additional explanations, issues or feedback. Although drop-down menus are provided for some of the fields to help users to fill in the forms, the 'Observations' box also allows users to propose new categories that are not yet offered. CAPTCHA is also included to avoid spam.

As for including information on institutions in the 'Projects' forms, an auto-complete functionality is available that allows users to easily select an option from the list of available institutions. Nevertheless, the system also allows users to write down the name of an institution that has not yet been included in the system following a provided format for harmonisation purposes.

¹³ Note that new KOs can only be added to existing Projects. After submitting the information on a new Project the user is provided with a link to insert a new KO to the Project proposal.

Update functionalities for Projects

✓

The 'Add new Project' button is always available in the left-hand side of the banner at the bottom of any of the infobase layers, as shown in *Figure 11* below.



Figure 11. Snapshot of the banner at the bottom of the Marine Knowledge Gate 1.0.

✓

The 'Update Project' button is available in the left-hand side of the 'Individual Record' page of the 'Projects' Component. The 'Update Project' form is the same as the 'Add new Project' one in *Annex 1*, although the information on the project is provided under the corresponding fields, when available. This information can be rewritten in free text format fields, or replaced by other categories in the list of drop-down menus fields. As mentioned above, the 'Observations' box also allows users to include new categories that are not yet offered in the drop-down menus.

Update functionalities for KOs

✓

The 'Add KO' button is available in the left-hand side of the 'Individual Record' page of the 'Projects' Component, as KOs can only be added to existing projects. The form to fill in information on a new project is provided in *Annex 1*. CAPTCHA is included to avoid spam.

✓

The 'Update KO' button is available in the left-hand side of the 'Individual Record' page of the 'KOs' Component. The 'Update KO' form is the same as the 'Add KO' one in *Annex 1*, although the information on the KO is provided under the corresponding fields, when available. As was the case for the 'Update Project' form, this information can be rewritten in free text format fields, or replaced by other categories in the list of drop-down menus fields. As mentioned above, the 'Observations' box also allows users to include new categories that are not yet offered in the drop-down menus.

6. Contents of the Marine Knowledge Gate 1.0

A general overview of the contents of the Marine Knowledge Gate 1.0 is provided below as key figures of the two interlinked components – ‘Projects’ and ‘Knowledge Outputs’ (KOs) – by the different Programmes available in the infobase. The total number of institutions available in the infobase is also provided¹⁴.

Programme	Projects	KOs	Institutions
COST	22	--	--
EUREKA	17	--	--
EUROCORES	28	--	--
FP6	471	432	
FP7	514	161	
INTERREG III	123	--	--
LIFE	99	--	--
SMAP	5	--	--
TOTAL	1279	593	3897

Table 1. Key figures on the contents of the Marine Knowledge Gate 1.0 (Last update on June 30, 2012)

The Marine Knowledge Gate 1.0 provides a ‘Technical Note’ in the bottom banner of any of the infobase layers, in which a brief description of the information sources and the population process is provided. This allows users to describe the information universe when conducting analysis out of search results extracted from the infobase (for more detailed information on the analytical potential of the Marine Knowledge Gate 1.0, refer to Deliverable 6.5 “Prototype online analytical tool”). The ‘Disclaimer’, also available at the bottom banner of any of the infobase layers, provides further guidelines for users that want to use the information extracted from the infobase.

7. Maintenance of the Marine Knowledge Gate 1.0



The Marine Knowledge Gate 1.0 has been continuously updated with FP7 marine related projects during the lifetime of MarineTT, with the last update corresponding to the 30th of June 2011¹⁵. Additionally, the Marine Knowledge Gate 1.0 will be in place after the end of the MarineTT project as it is based on the EurOcean_MaP Infobase and will be maintained and hosted by EurOcean (MarineTT partner in charge of WP2 on *Information Management* and of the development of the Marine Knowledge Gate 1.0).

Different Funding Programmes will be further updated on a regular basis and also at particular times when relevant events take place (i.e. specific European calls). Potential improvements based on future requirements or on users’ feedback may take place if required (e.g. including national level projects).

¹⁴ Note that, at the moment, institutions are only available in the Marine Knowledge Gate 1.0 for FP6 and FP7 projects.

¹⁵ Note that the information collection process for KOs was based on the FP6 and FP7 marine related projects available at the EC CORDIS online database as of the 31st of May 2010 (see Deliverable 2.4 “Marine Projects Gathering Methodology”). Nevertheless, the collection of information from FP7 projects has continued during the lifetime of MarineTT, although without gathering information on KOs.

Annex 1. Online forms to fill information on 'Projects' and 'KOs'


MARINE KNOWLEDGE GATE 1.0


The Marine Knowledge Gate is an innovative tool which provides an inventory of European funded Marine Science and Technology Projects and their Knowledge Outputs. The inventory possesses an advanced search functionality, is regularly updated and is free to use. Please refer to the Search Tips, Technical Note and Disclaimer for further information.

PERSONAL DATA

Name

Email

Phone number

Organisation

Your relation with the project (e.g. coordinator, WP leader, etc)

Observations

When the category you want to add is not included in the drop-down menus, please select the 'Other' category in the corresponding drop-down menu and write your new option down in the 'Observations' field above.

Please also include the name of the field your new category belongs to in the following format: field name - new category (e.g. FP7 Theme - Health)

Note that the category 'Not Available' means that the information is actually unknown, whereas the category 'Other' means that the category you want to add is missing from the drop-down menu.

NEW PROJECT

Acronym

Title

Programme

Start Year

Year of Conclusion

Funding

Project Coordinator


Coordinator Email

Coordinator Country

Other Countries Involved


Project Summary

Project Website

Please insert the word you see in the image 

Help us improve this database by submitting new records

Sources of Information



Search tips | Technical Note | Disclaimer | Last update on June 26, 2012 | 1279 projects | 593 KOs

Figure 12. Snapshot of 'Add new Project' form of the Marine Knowledge Gate 1.0.

MARINE KNOWLEDGE GATE 1.0
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PERSONAL DATA

Name

Email

Phone number

Organisation

Your relation with the project (e.g. coordinator, WP leader, etc)

Observations

NEW KO

Project

Coordination of European Research for Advanced Transport Noise Mitigation

KO Title

KO Description

KO Type

--

If the KO you want to add does not belong to any of the KO Types in the drop-down menu, please select the category Other, and write your new option down in the 'Observations' field (right after your contact details), with the following format:
KO Type – your new option

Potential End Users & Applications

Education & Training	<input type="checkbox"/> Yes
Environmental Managers & Monitoring	<input type="checkbox"/> Yes
Industry	<input type="checkbox"/> Yes
Policy Makers / Decision Makers	<input type="checkbox"/> Yes
Research Community	<input type="checkbox"/> Yes
Other	<input type="checkbox"/> Yes

Sectors & Subsectors to potentially benefit

--

add

If the KO you want to add does not belong to any of the Sectors & Subsectors in the drop-down menu, please write it down in the 'Observations' field (right after your contact details), with the following format:
Sector – Subsector; e.g. Ocean Energy – Thermal Energy

Publicly Available

☐ Yes

KO Source of Information

Link to KO Source of Information

IP/Confidentiality

☐ Yes

KO Status

☐ Completed

Please insert the word you see in the image

Help us improve this database by submitting new records

Sources of Information

[Search tips](#) | [Technical Note](#) | [Disclaimer](#) | Last update on June 26, 2012 | 1279 projects | 593 KOs

Figure 13. Snapshot of 'Add new KO' form of the Marine Knowledge Gate 1.0.