Deliverable 5.6 – Prototype online analytical tool

Grant Agreement n° 244164

Acronym: MarineTT

Title: European Marine Research Knowledge Transfer and Uptake of Results

1. Document Information

Document information	
Document Name	Deliverable 5.6 – Prototype online analytical tool
Document ID	MarineTT_WP5_D5_6_Prototype_Online_Analytical_Tool
Revision	Final Version
Revision Date	23/09/2012
Author	Maica Garriga - EurOcean
Security	Public

History				
Revision	**Date**	**Modification**	**Author**	**Organisation**
1	28/08/2012	First draft	Maica Garriga	EurOcean
2	29/08/2012	In structure and detail	Cristina Costa	EurOcean
3	03/09/2012	In clarification of the content	Gill Marmelstein	AquaTT
4	24/09/2012	Final version	Maica Garriga	EurOcean

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4. Aim and Scope of the Prototype Online Analytical Tool

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 1.0 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), with 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"[1] (for a detailed description of the Marine Knowledge Gate 1.0 see Deliverable 2.3 "Upgraded Info-base").

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 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 coordinators[3] (for a detailed description of the collection of KOs see Deliverable 2.4 "Marine Projects Gathering Methodology").

The new tailored search system of this innovative online tool provides powerful analytical potential for different types of users. In this way, the Marine Knowledge Gate 1.0 is in line with the objectives of *Work Package 5 on Knowledge Transfer* (WP5) of 'disseminating EU marine research results', of 'customising information and knowledge so that it is ready for uptake by different target end-users' and of 'developing and make use of the latest tools, resources and communication channels resulting in cost effectiveness and maximum impact'[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 2011[5]. 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. In this regard, the analytical potential of the Marine Knowledge Gate 1.0 does not confine itself to the information gathered through the MarineTT project.

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[1] Information source: MarineTT Description of Work
[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] Standard Project Details were collected from the projects identified as marine from the ones available in the official information source of FP7 projects (EC CORDIS online database) at the time of the last update (June 30, 2011).

5. Analytical Functionalities of the Marine Knowledge Gate 1.0

The Marine Knowledge Gate 1.0 provides homepage interactive graphs with the information available at the time of accessing the infobase in terms of number of 'Projects' and 'Knowledge Outputs' (KOs) by Programme, Country and Funding. Hence providing users with a rapid analytical overview of the infobase content by the most relevant indicators.

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 of 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 place on top of a particular area of the graph.

Additionally, all these graphs are interactive and take 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).

Projects and Knowledge Outputs by Programmes

The information available in the Marine Knowledge Gate 1.0 is presented in terms of number of Projects and, when available, number of KOs by each of the existing Programmes (see *Figure 1* below).
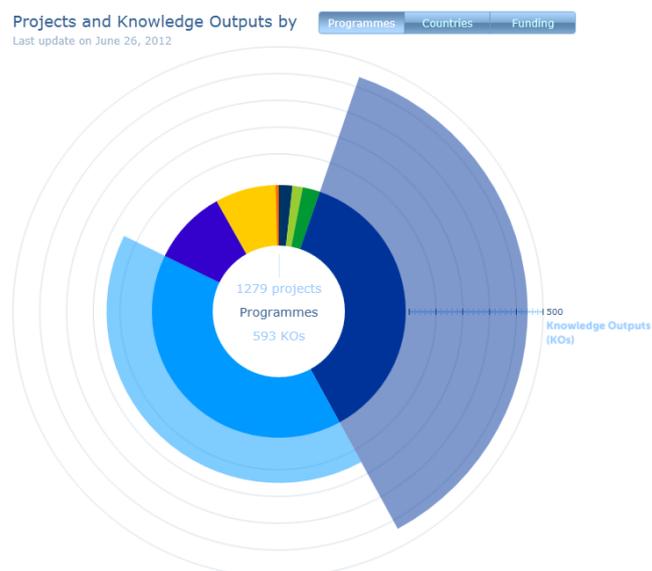
Figure 1. Homepage interactive graph on Projects and KOs by Programme

Projects and Knowledge Outputs by Countries

The information on number of projects and related KOs available in the Marine Knowledge Gate 1.0 is presented in terms of the top participating countries in research projects, either as Project Coordinator or Partner (see *Figure 2* below). Note that the KOs are assigned to the Project Consortium.

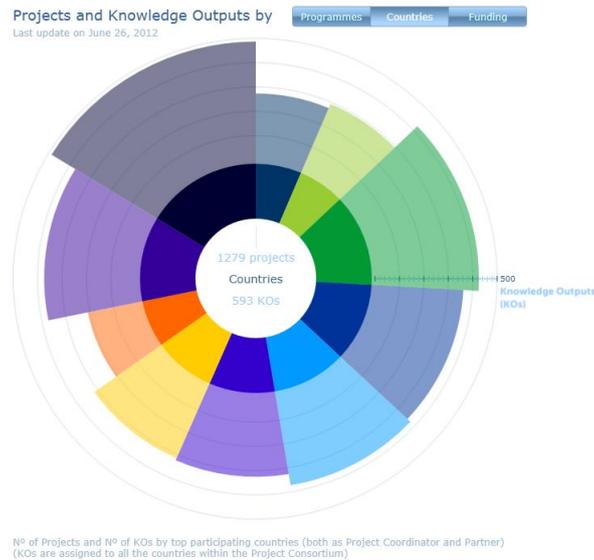**Figure 2. Homepage interactive graph on Projects and KOs by Countries**

Projects and Knowledge Outputs by Funding

The information available in the Marine Knowledge Gate 1.0 is presented in terms of the number of Projects within intervals of allocated EU Funding and associated KOs generated under those projects (see *Figure 3* below).
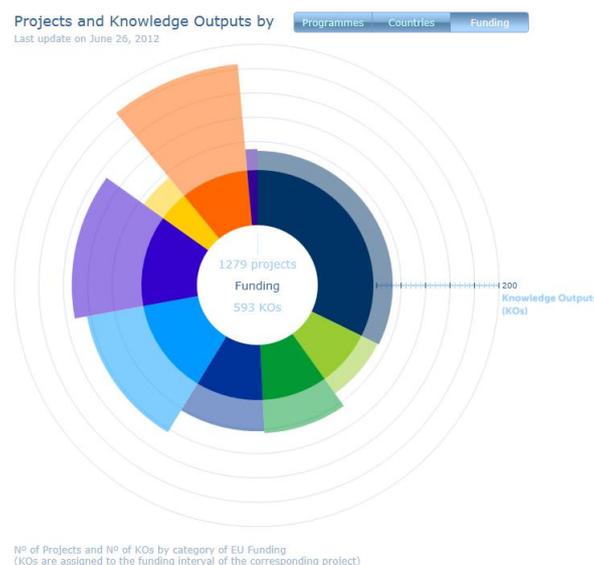

Figure 3. Homepage interactive graph on Projects and KOs by Funding

Note that the intervals of allocated EU Funding 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 less number of Projects. Note that the KOs are assigned to the funding interval of the corresponding project.

6. Analytical Potential of the Marine Knowledge Gate 1.0

The Marine Knowledge Gate 1.0 provides tailored search functionalities that allow users to extract both quantitative and qualitative information for further analysis. The search options available can be divided into the two main interlinked components of the infobase: 'Projects' and 'KOs'. The search fields for each of these two components are provided in *Table 1* below (for a detailed description of the search fields refer to Deliverable 2.3 "Upgraded Infobase").

Note that in order to access information for more detailed analysis, users may contact the administrators of the Marine Knowledge Gate 1.0.

Projects	KOs
• Free Text	• Free Text
• Programme	• KO Type
• Countries	• Potential End Users
• Countries 2[6]	• Sectors to Benefit
• FP6 / FP7 Institutions	• Publicly Available
• Duration	• KO Status
• Project Funding	• Programme
• Instruments (FP6 and FP7)	• Countries
• FP6 Activity Areas	• Countries 2[7]
• FP7 Themes	• Project Funding
• Interreg Regional Areas	
• FP6 / FP7 Knowledge Outputs	

Table 1. List of search fields for 'Projects' and 'KOs' of the Marine Knowledge Gate 1.0

The user can select an option from each of these search fields and extract the list of records – Projects or KOs – 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 Results' figures allow users to conduct quantitative analysis of the information extracted from the infobase.

The information universe of the Marine Knowledge Gate 1.0 is described in the 'Technical Note' (accessible through the banner at the bottom of the infobase), which allow users to contextualise 'Search Results' figures extracted from the infobase.

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[6] Note that the *Country 2* search field is only visible once a choice has been made in the *Country* search field.
[7] As is the case for the 'Projects' Component, the *Country 2* search field is only visible once a choice has been made in the *Country* search field.

The Analytical Potential of the Marine Knowledge Gate 1.0 is based on the different choices of searches that might be performed. Examples of indicators (with relevant combinations) that might be analysed through the information extracted from the infobase are:

- Distribution of Number of Projects and Percentages of Projects:
  - by Programmes
  - Under the FP6 or FP7 Programmes, by Instruments (FP6 or FP7)
  - Under the FP6, FP7 or INTERREG III Programmes, by areas (Activity Areas, Themes, or Regional Areas)
  - by Programme; with information on KOs
  - by Programme; by Countries
  - by Programme; by Countries; with informatio with KOs
  - by Programme; by Duration (ranges of years)
  - by Programme; by Funding intervals (in €M)
  - by Programme; by Funding Intervals (in €M); with information on KOs
  - by Programme; by Country; by Duration (ranges of years)
  - by Programme; by Country; by Funding intervals (in €M)
  - by Programme; by Country; by Funding intervals (in €M), with information on KOs
  - under the FP6 or FP7 Programmes; by Country; by Instruments (FP6 or FP7)
  - under the FP6 or FP7 Programmes; by Country; by Instruments (FP6 or FP7); with information on KOs
  - under the FP6, FP7 or INTERREG III Programmes; by Country; by areas (Activity Areas, Themes, or Regional Areas)
  - under the FP6, FP7 or INTERREG III Programmes; by Country; by areas (Activity Areas, Themes, or Regional Areas); with information on KOs
  - under the FP6 or FP7 Programmes; by Country; by Instrument; by areas (Activity Areas or Themes)
  - under the FP6 or FP7 Programmes; by Country; by Instrument; by areas (Activity Areas or Themes); witht information on KOs
  - under the FP6 or FP7 Programmes; by Instrument (FP6 or FP7); by Countries
  - under the FP6 or FP7 Programmes; by Instrument (FP6 or FP7); by Countries, with information on KOs
  - under the FP6 or FP7 Programmes; by Instrument; by area (Activity Area or Theme); by Countries
  - under the FP6 or FP7 Programmes; by Instrument; by area (Activity Area or Theme); by Countries; with information on KOs
  - under the FP6, FP7 or INTERREG III Programmes; by area (Activity Area, Theme, or Regional Area); by Countries
  - under the FP6, FP7 or INTERREG III Programmes; by area (Activity Area, Theme, or Regional Area); by Countries; with information on KOs
  - under the FP6 or FP7 Programmes; by Instrument (FP6 or FP7); by Funding intervals (in €M)
  - under the FP6 or FP7 Programmes; by Instrument (FP6 or FP7); by Funding intervals (in €M); with information on KOs
  - under the FP6 or FP7 Programmes; by Instrument; by area (Activity Area or Theme); by Funding intervals (in €M)
  - under the FP6 or FP7 Programmes; by Instrument; by area (Activity Area or Theme); by Funding intervals (in €M); with information on KOs

- o under the FP6, FP7 or INTERREG III Programmes; by area (Activity Area, Theme, or Regional Area); by Funding intervals (in €M)

- o under the FP6, FP7 or INTERREG III Programmes; by area (Activity Area, Theme, or Regional Area); by Funding intervals (in €M); with information on KOs

- o under the FP6 or FP7 Programmes; by Instrument (FP6 or FP7); by Country; by Funding intervals (in €M)

- o under the FP6 or FP7 Programmes; by Instrument (FP6 or FP7); by Country; by Funding intervals (in €M); with information on KOs

- o under the FP6 or FP7 Programmes; by Instrument; by area (Activity Area or Theme); by Country; Funding intervals (in €M)

- o under the FP6 or FP7 Programmes; by Instrument; by area (Activity Area or Theme); by Country; Funding intervals (in €M); with information on KOs

- o under the FP6, FP7 or INTERREG III Programmes; by area (Activity Area, Theme, or Regional Area); by Country; Funding intervals (in €M)

- o under the FP6, FP7 or INTERREG III Programmes; by area (Activity Area, Theme, or Regional Area); by Country; Funding intervals (in €M); with information on KOs

Additionaly, information extracted from the 'KOs' component can also be used for further analysis, although always in reference to the infobase information universe. Examples of indicators (with relevant combinations) that might be analysed through the information extracted from the infobase, are:

- Distribution of Number of KOs and Percentages of KOs:
    - o by Programmes (FP6 or FP7)
    - o under FP6 or FP7 Programmes; by Countries
    - o under FP6 or FP7 Programmes; by Funding intervals (in €M)
    - o under FP6 or FP7 Programmes; by Types of KOs
    - o under FP6 or FP7 Programmes; by Potential End-Users
    - o under FP6 or FP7 Programmes; by Sectors to Benefit
    - o by Types of KOs; by FP6 or FP7 Programmes
    - o by Potential End-User; by FP6 or FP7 Programmes
    - o by Sector to Benefit; by FP6 or FP7 Programmes
    - o under FP6 or FP7 Programmes; by Country; by Funding intervals (in €M)
    - o under FP6 or FP7 Programmes; by Country; by Types of KOs
    - o under FP6 or FP7 Programmes; by Country; by Potential End-Users
    - o under FP6 or FP7 Programmes; by Country; by Sectors to Benefit
    - o under FP6 or FP7 Programmes; by Type of KOs; by Countries
    - o under FP6 or FP7 Programmes; by Type of KOs; by Funding intervals (in €M)
    - o under FP6 or FP7 Programmes; by Type of KOs; by Potential End-Users
    - o under FP6 or FP7 Programmes; by Type of KOs; by Sectors to Benefit
    - o under FP6 or FP7 Programmes; by Potential End-User; by Countries
    - o under FP6 or FP7 Programmes; by Potential End-User; by Types of KOs
    - o under FP6 or FP7 Programmes; by Potential End-User; by Sectors to Benefit

- under FP6 or FP7 Programmes; by Sector to Benefit; by Countries
- under FP6 or FP7 Programmes; by Sector to Benefit; by Funding intervals (in €M)
- under FP6 or FP7 Programmes; by Sector to Benefit; by Potential End-Users
- under FP6 or FP7 Programmes; by Sector to Benefit; by Types of KOs
- under FP6 or FP7 Programmes; by Type of KOs; by Potential End-User; by Countries
- under FP6 or FP7 Programmes; by Type of KOs; by Potential End-User; by Funding intervals (in €M)
- under FP6 or FP7 Programmes; by Type of KOs; by Potential End-User; by Sectors to Benefit
- under FP6 or FP7 Programmes; by Potential End-User; by Sector to Benefit; by Countires
- under FP6 or FP7 Programmes; by Potential End-User; by Sector to Benefit; by Funding intervals (in €M)
- under FP6 or FP7 Programmes; by Potential End-User; by Sector to Benefit; by Types of KOs
- under FP6 or FP7 Programmes; by Potential End-User; by Sector to Benefit; by Type of KOs; by Countries
- under FP6 or FP7 Programmes; by Country; by Type of KOs; by Potential End-User; by Sectors to Benefit
- under FP6 or FP7 Programmes; by Country; by Type of KOs ; by Sector to Benefit; by Potential End-Users
- under FP6 or FP7 Programmes; by Country; by Sector to Benefit; by Potential End-Users; by Type of KOs

The types of analysis that may be performed with the information extracted through the use of different search criteria are also presented through simple practical examples. Note that the search results of the examples refer to the information available through the last update of the infobase (June 30th of 2012).

Example 1: FP7 Environment marine projects figures from Mediterranean EU Member States

The number of EU funded marine projects under FP7 (514 records) from the Enviornment Theme (59 records), in which Mediterranean EU Member States are involved, either as Coordinators or as a Partners, is presented in *Table 2* and *Figure 4* below (records extracted from the Marine Knowledge Gate 1.0 using the aforementioned search criteria).

Mediterranean EU Member States	Nº marine projects from FP7	Nº marine projects from FP7 ENVIRONMENT Theme	Nº marine projects from FP7 ENVIRONMENT Theme – Coordinator Country
Cyprus	26	1	0
France	206	42	3
Greece	91	19	0
Italy	175	34	6
Malta	11	2	0
Monaco	2	2	0
Slovenia	30	3	0
Spain	472	34	4

Table 2. Figures for Mediterranean EU MS involved in FP7 Environment Theme marine projects.
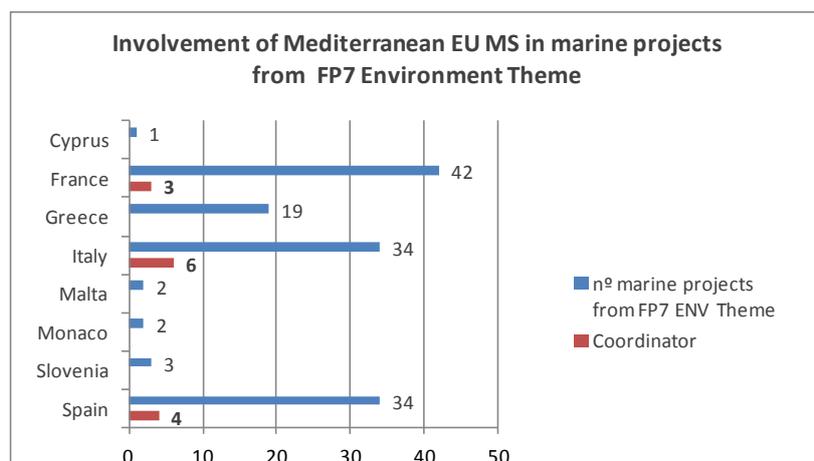**(Source: Marine Knowledge Gate 1.0)**

**Figure 4. Involvement of Mediterranean EU MS involved in FP7 Environment Theme marine projects
(Source: Marine Knowledge Gate 1.0)**

From these figures, certain information may be already extracted on the EU Member States with Mediterranean shores that are invoved in marine projects from the FP7 Environment Theme, with France being the country with the highest number of projects, followed by Italy and Spain, and to a lesser extend by Greece. Nevertheless, Italy is the one that coordinates the highest number of such projects, followed by Spain and finally by France.

The number of FP7 Envrironment marine projects in which Mediterranean EU Member States are involved (as Coordinators or as Partners) has been also extracted by interval of EU Allocated Funding (see *Table 3* and *Figure 5* below).

Mediterranean EU Member States	< 300k	300k - 600k	600k - 900k	900k - 1.2m	1.2m - 2.2m	2.2m - 3.2m	3.2m - 4.2m	4.2m - 14m	> 14m
Cyprus							1		
France			1	5	6	2	9	19	
Greece			1	2	2	1	4	9	
Italy			2	3	5	2	7	15	
Malta					1			1	
Monaco				1				1	
Slovenia						1	1	1	
Spain			1	4	4	3	7	15	

**Table 3. EU Allocated Funding figures for FP7 Environment Theme marine projects from Mediterranean EU MS
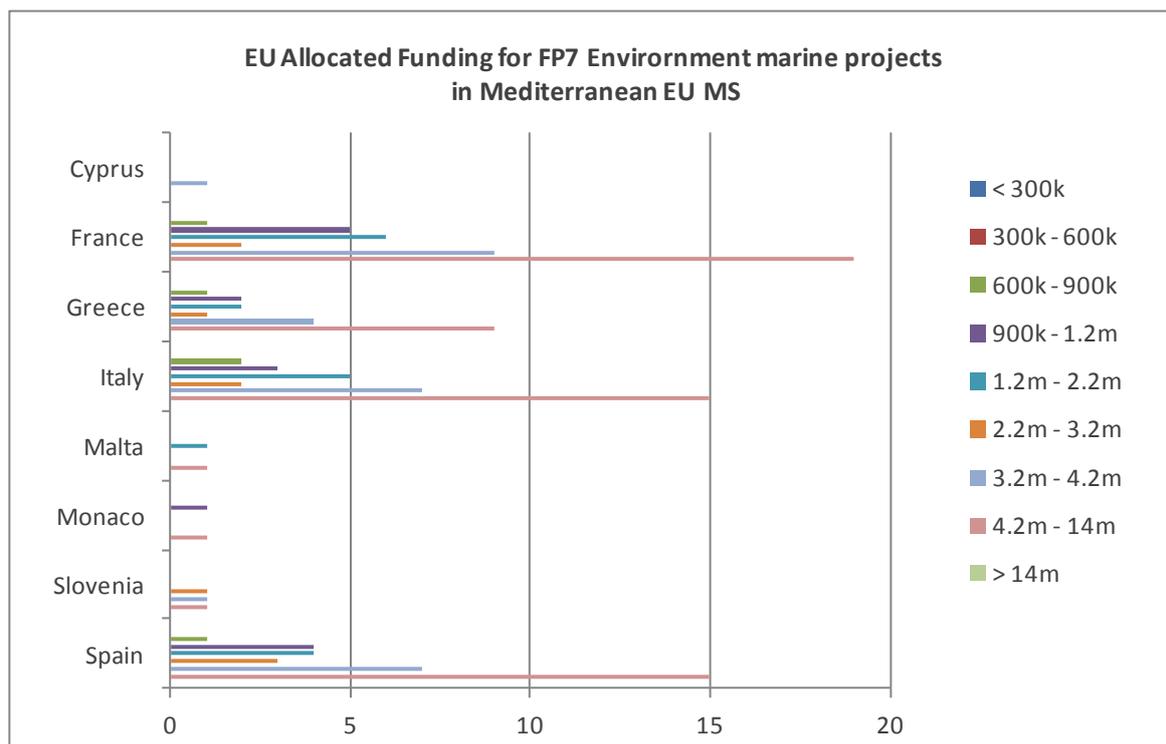(Source: Marine Knowledge Gate 1.0)**

Figure 5. EU Allocated Funding figures for FP7 Environment Theme marine projects from Mediterranean EU MS
(Source: Marine Knowledge Gate 1.0)

According to the above figures, all these projects have an allocated budget above 600 thousand Euros and under 14 million Euros. Most of the projects have an allocated budget between 4.2 and 14 million Euros, in which all the countries from the list are involved except for Cyprus.

Example 2: KOs from FP7 projects from Mediterranean EU Member States

The number of EU funded marine projects under FP7 (514 records), in which Mediterranean EU Member States are involved, either as Coordinators or as a Partners, is presented together with the number of KOs available in the Marine Knowledge Gate 1.0 (see *Table 4* and *Figure 6* below).

Mediterranean EU Member States	Nº marine projects from FP7	Nº FP7 marine projects with KOs	Number of KOs from FP7 marine projects
Cyprus	12	1	2
France	206	26	93
Greece	91	20	72
Italy	175	31	108
Malta	11	4	12
Monaco	2	0	0
Slovenia	16	2	5
Spain	181	24	91

Table 4. KOs figures for FP7 marine projects from Mediterranean EU MS in the Marine Knowledge Gate 1.0
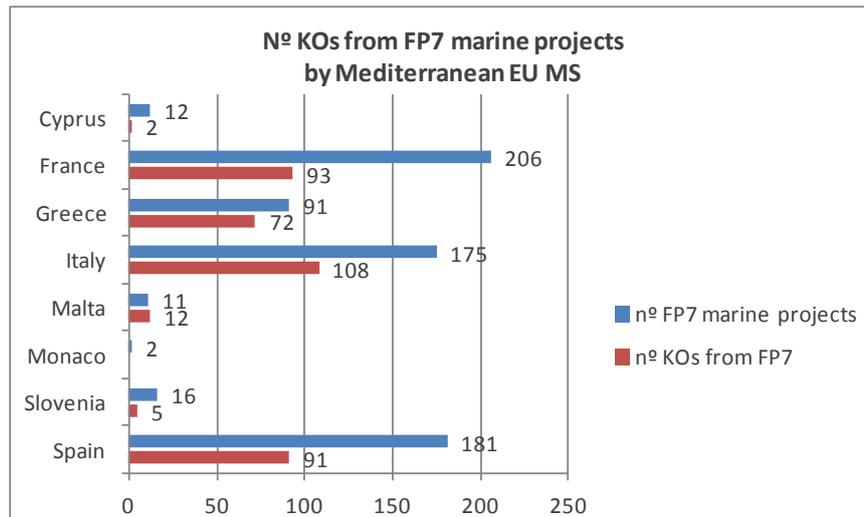**(Source: Marine Knowledge Gate 1.0)**

Figure 6. Nº KOs from FP7 marine projects in which Mediterranean EU MS are involved in the Marine Knowledge Gate 1.0 (Source: Marine Knowledge Gate 1.0)

From these figures, it may be said that while France, followed by Spain, are involved in a higher number of FP7 marine projects, the number of KOs provided by projects in which Italy or Greece are involved is significantly higher.

From the 108 KOs from the 175 FP7 marine projects in which Italy is or has been involved (either as Coordinator or as Partner), the number of KOs per Type are provided in *Figure 7* below[8].
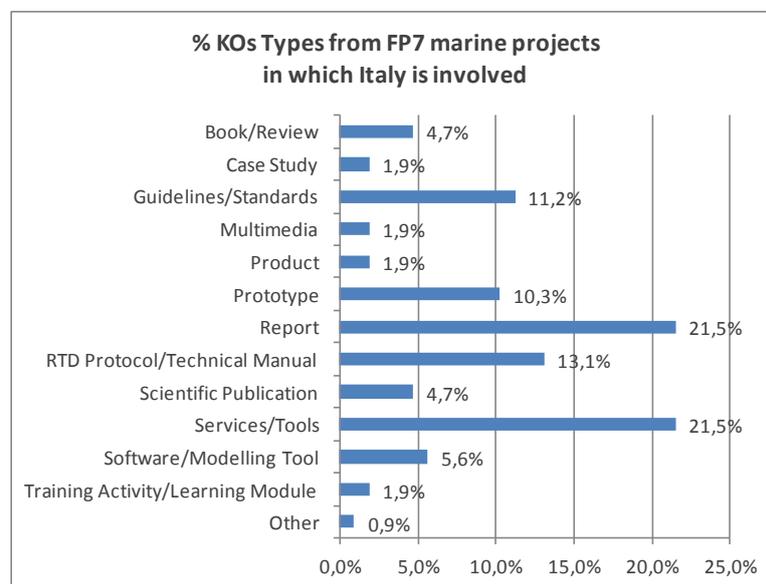

Figure 7. KO Types from FP7 marine projects in which Italy is involved, included the Marine Knowledge Gate 1.0

From the graphic above, it can be seen that Reports and Services/Tools are the most common Types of KOs that can be extracted from the Marine Knowledge Gate 1.0 generated by FP7 marine projects in which Italy is or has been involved.

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[8] Note that the number of KOs correspond to the information provided by project coordinators through a MarineTT online survey.

From the 23 records under the category Services/Tools (21.5% of KO Types from FP7 marine projects in which Italy is/has been involved), *Figure 8* below provides the Type of End User that Services/Tools are meant for, as well as the sectors that might benefit from these Services/Tools. Note that each KO might be of use to one or more Types of End Users and might be of benefit for more than one sector.

Nº Services/Tools by Potential End User from FP7 marine projects in which Italy is involved

End User	Value
Education & Training	2
Environmental Managers & Monitoring	13
Industry	12
Policy Makers / Decision Makers	13
Scientific Community	22
Others	1

Nº Services/Tools from FP7 marine projects in which Italy is involved by Sector to potentially benefit

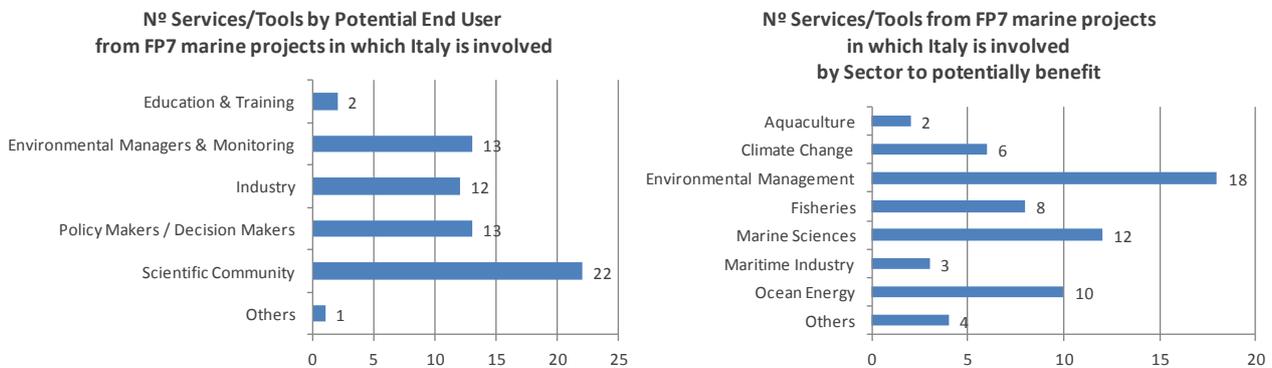| Sector	Value
Aquaculture	2
Climate Change	6
Environmental Management	18
Fisheries	8
Marine Sciences	12
Maritime Industry	3
Ocean Energy	10
Others	4

Figure 8. Potential End Users & Sectors to potentially benefit from the Services/Tools from FP7 marine projects in which Italy is involved, included the Marine Knowledge Gate 1.0

7. Impact of the Marine Knowledge Gate 1.0

The impact of the Marine Knowledge Gate 1.0 has been measured through the web traffic analysis from Google analytics, which provides an overall notion on the usage of the web based application according to the visits overview and the traffic sources.

The statistics provided correspond to the period from the launch of the Marine Knowledge Gate 1.0 (5th of March 2012) up to the end of the MarineTT project (31st of July 2012).

Visits overview

Visits represent the number of individual sessions initiated by all the visitors of the Marine Knowledge Gate 1.0. Note that if a user is inactive on the website for 30 minutes or more any future activity is attributed to a new session; users that leave the website and return within 30 minutes are counted as part of the original session.

During the period being analysed, the Marine Knowledge Gate 1.0 has registered a total of 2.651 **visits**. The distribution of number of visits by month is shown in the chart bellow.
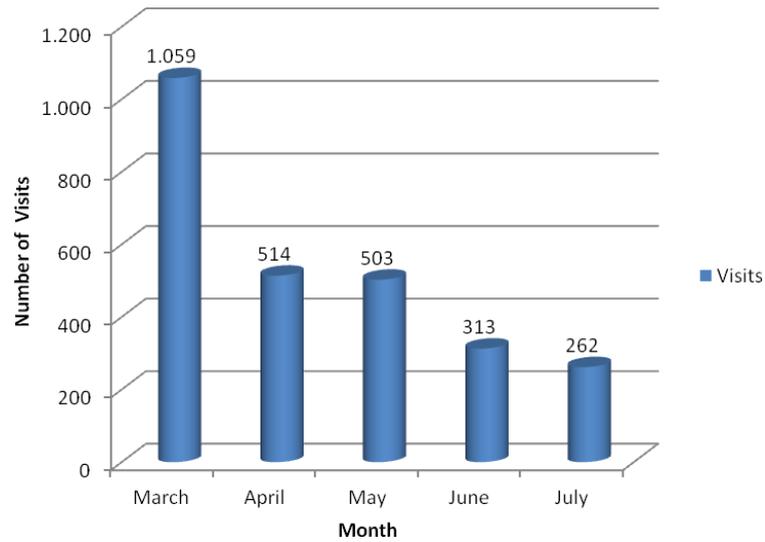
Figure 9. Number of visits per month to the Marine Knowledge Gate 1.0

According to the distribution of visits by month, there is some substantial variation between the working and vacations periods, with the working one being more active (March to May). There is a peak in the month of March corresponding to the launch of the web based application.

During this period, the Marine Knowledge Gate 1.0 also recorded a total of 1.307 **unique visitors** – different people who have seen the Marine Knowledge Gate 1.0 in the given time period. The distribution of number of unique visitors by month is represented in the chart below.
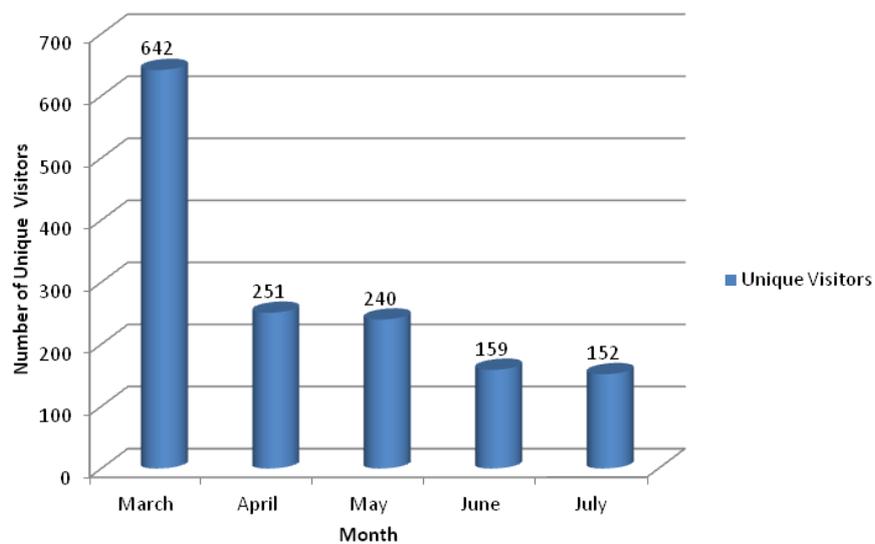

Figure 10. Chart representing the number of unique visitors per month to the Marine Knowledge Gate 1.0

As was the case for the number of visits, the working period (from March to May) is more active, with a peak in the month of March corresponding to the launch of the web based application.

The **average number of pages per visit**, in this period, is of 7,84, with 5:57 minutes being the **average time on site**.

The **bounce rate** – or percentage of visitors who enter the site and "bounce" (leave the site) rather than continue viewing other pages within the same site – is 35,79%.

The **percentage of returning visitors** is 50,81%, meaning that the Marine Knowledge Gate 1.0 is able to "keep" half of the visitors that look for a web based tool and to regularly attract a significant percentage of new visitors.

In this regard, the **growth perspective** (if we bring back the non returning visitors together with the percentage of new visitors) is significant.
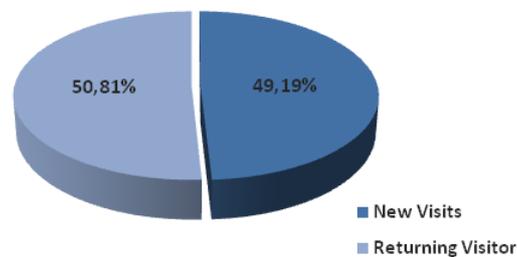

Figure 11. Percentage of new visits and returning visitors of the Marine Knowledge Gate 1.0

As for the **geographical distribution of the visits**, the 2.651 visits came from 63 countries/territories from all over the world (see map below), with the highest numbers of visits registered in Portugal, Spain, Ireland, United Kingdom, France and Belgium.

Figure 12. Geographical distribution of visitors of the Marine Knowledge Gate 1.0

Traffic Sources

Traffic sources show the way people locate the Marine Knowledge Gate 1.0. There are three traffic sources:

- Direct traffic   – refers to the people who typed the address of the site manually, or clicked a link in their browser favourites;
- Referral traffic – when someone clicks the link to your site from another site or 'referral' site;
- Search engines – when someone clicks the link of the site that comes up in the results from searching a particular type of content.

As may be seen in *Figure 13* below, the major source of traffic to the Marine Knowledge Gate 1.0 is referral (50,81%). This is expectable when a web based application is young, with direct traffic and referral sites will account for the larger percentages of traffic sources.
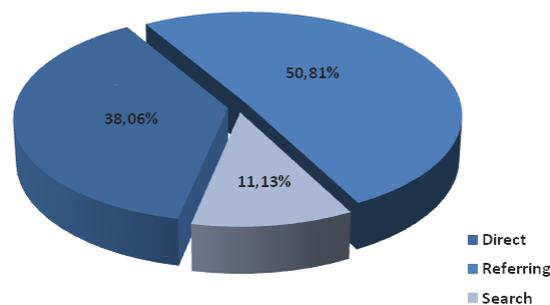

Figure 13. Percentages of traffic sources to the Marine Knowledge Gate 1.0

Remarks

In sum, the impact of the Marine Knowledge Gate 1.0 in terms of the level of usage might be considered as acceptable as it responds to the typical behaviour of a young webpage with variation in the number of visits, with a higher traffic from referral sources, and with a significant growth perspective. As may be expected, visitors of the Marine Knowledge Gate 1.0 are mainly from Europe as the information provided is from EC funded projects. The bounce rate might be explained by the specificity of the target audience of the web based application.

8. Marine Knowledge Gate 1.0 and Multipliers

MarineTT is based on the premise that there are a variety of reasons for the lack of transnational knowledge transfer by multipliers, being the lack of awareness of transitional knowledge and on the potential of this knowledge among them[9].

By providing free and easy access to the exploitable results of EU funded marine and technology projects, the Marine Knowledge Gate 1.0 provides a central repository of information for potential multipliers and end-users of the knowledge generated by marine research in Europe. Contact details of the knowledge producer are always provided facilitating the interaction with potential users of the knowledge and hence acting as a passive knowledge transfer tool.

The updating functionality of the Marine Knowledge Gate 1.0 allows users to update existing information and add existing one to the infobase. In this way, the Marine Knowledge Gate 1.0 can become a powerful tool to disseminate information on the projects and corresponding KOs to a wide range of stakeholders among the marine community. In fact, a great effort is made to synthesise the information on KOs in a non-expert language and potential end-users of the KOs are also provided.

Additionally, negotiations are open to share the Marine Knowledge Gate 1.0 as a common repository of the information gathered/produced by similar projects dealing with knowledge transfer issues (e.g. MG4U).

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[9] Information source: MarineTT Description of Work.