



# MERMAID

mermaidproject.eu

## Seventh Framework Programme

Theme [OCEAN.2011-1]

"Innovative Multi-purpose off-shore platforms: planning, design and operation"

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## 1.0 Introduction

WP 9 of MERMAID aims to disseminate project knowledge and procedures into the community of users. In this context the “users” are essentially the professionals involved in the planning, installation, operation, maintenance, monitoring and decommissioning of off-shore platforms, the preparation and implementation of policies and strategies for sustainable use of sea resources, low carbon economy and eco-friendly transportation. Specific activities are also planned for the “users” as the ultimate beneficiaries of the research, i.e. the public and businesses which receive benefits from a sustainable development of the use of marine resources, both energy and food.

The overall objectives of the project dissemination task are to:

- to establish an efficacious collaboration and exchange of knowledge, information and experiences between the scientific community, coastal and marine authorities, the industry and potential end users
- to disseminate to the scientific community, authorities and potential end users the results of the project
- To inform the public at large and relevant end users and stakeholders about the concept of multi-use offshore platforms and to create awareness among the public

The main dissemination activities include:

- the participation in international exhibitions: production of materials e.g. posters, leaflets, etc.
- the establishment and updating of the project home page on the World Wide Web;
- the publication of peer-reviewed scientific papers;
- the active participation of partners in international conferences and publications in the proceedings of these conferences;
- the publication of guidelines, based upon the project findings, that present performance and design of innovative multi-purpose platforms;
- the results of MERMAID are expected to be used in teaching assignments, lectures and exercises at European universities so that the latest state-of-the-art is given to European students;
- the utilization of results in PhD studies in scientific publications and thesis

## 1.1 Objectives

The mid-term dissemination report gives a comprehensive overview of the activities and results performed between Month 1 and 24 of the project. The results will be discussed per worktask. For each worktask, we will provide an overview and assessment of the task performed and will discuss planned actions or strategy.

The different work task of WP dissemination are:

- Task 9.1. Website
- Task 9.2. Publications
- Task 9.3. Production of a dissemination movie
- Task 9.4. Translation project outcomes into Coastal and Marine Wiki articles
- Task 9.5. Networking, and knowledge management
- Task 9.6. End user conference

## 2.0 Description of the performed activities between M1 and M24

### 2.1. Website

A Project Internet website was set up at month 4 of the project (MS 38). The website is available at <http://www.mermaidproject.eu>. During the project, the website will be continuously updated with new material. The web-site hosts a free access area containing project official deliverables, leaflets, research news, discussions, abstracts, papers (also the papers published in international conferences and journals, in respect of the Special Clause 39 to be included). The web site also includes videos and selected pictures showcasing to the public at large the activities performed within MERMAID.

The Website contains: the project "Description of Work", updates, news and project reports, issues regarding dissemination of results, reports and publications, Document management system, A picture and movie gallery, Contact information on the project consortium, Links to the publications (WT9.2) end-user conference (WT9.6), DVD(WP9.3), Coastal and Marine Wiki information pages (WT9.4).

The Project web-site became an important tool for information management of the project. The www server contains a password protected areas accessible to partners for data exchanging. The website was developed as a Content Management System (CMS) allowing remote information entry by different project partners. All partners can also upload important dissemination activities (press releases, presentations, publications and conferences).

Currently, the website receives about 3000 unique visitors a month. The table below shows the number of unique visitors, number of visits, pages and hits per month since the launch of the website.

Month	Unique visitors	Number of visits	Pages	Hits
Jan-12	0	0	0	0
Feb-12	22	28	62	136
Mar-12	53	75	164	374
Apr-12	5	8	9	33
May-12	105	167	1688	8038
Jun-12	361	596	6515	33261
Jul-12	420	643	2945	13949
Aug-12	552	1109	6807	18324
Sep-12	794	1302	13147	29370
Oct-12	1383	2048	11810	33963
Nov-12	1692	2374	11824	22428
Dec-12	2328	3426	10755	19190
Jan-13	1371	1848	6620	20329
Feb-13	2957	4476	21570	32626
Mar-13	2319	3496	13451	41683
Apr-13	1427	2215	29602	79480
Jun-13	5449	7617	42791	72405
Jul-13	4405	6449	62513	88161
Aug-13	4405	6688	62808	80379
Sep-13	6329	9376	128643	177314
Oct-13	7090	10916	58109	86890
Nov-13	7486	10581	58649	115032
Dec-13	2367	4611	20475	42534
Jan-14	3205	5349	39488	84069
Feb-14	2322	4244	39805	85511

Table I: Webstatistics of <http://www.mermaidproject.eu>

## 2.2. Publications

- A project leaflet was produced at the first phase of the project. This project leaflet gives a general introduction and outline of the project, project objectives and partners involved. It also refers to the other projects funded under the same call. The leaflet has been printed on 3000 copies, and almost half of them are currently been distributed. They were distributed to all project partners and disseminated during several local, national and international for a and conferences. The leaflet is also available in digital format form the website.
- A poster presentation has been created and is available in digital format form the website.
- A coastal booklet is under construction, and almost finalized. It gives provides detailed information about the project objectives and the challenges being faced at the different studysites. Input from all the site managers was compiled to provide an accessible information booklet, targeting professional end users and policy makers. The booklet will be printed on 5000 copies and will be launched, together with the dissemination DVD.
- Scientific publications produced by the project partners are progressively posted on the project web-site. So far 9 A1 publications have been published or submitted. For a complete overview of the publications, poster and oral presentations, see Annex I.



Figure I: Project leaflet

## 2.3. Production of a dissemination movie

An important activity of WP9 during M1-M24 was the creation of a promotional DVD “Innovative Multi-use Offshore Platforms: planning, design & operation”. The short dissemination film of 10 minutes on multi-use offshore platforms for Europe will include facts (from project partners) and interviews with science, industry and different stakeholders.

Five different shootings have been realized:

- an interview with all WP leaders in Delft during a general meeting
- filming of Salmon aquaculture and interviewing local stakeholders at Bergen,
- filming facilities at Statoil in Bergen
- filming if the project coordinator in Copenhagen, and filming the Danish coast.
- on June 20th 2013, the European Commissioner for Research and Innovation, Máire Geoghegan-Quinn, was interviewed. The Commissioner highlighted the contribution of the MERMAID project to the development of a thriving maritime economy, in an environmentally sustainable manner. Furthermore, Commissioner Geoghegan-Quinn stressed the importance of the smart use of marine space and making offshore

platforms economically viable. The Commissioner highly appreciated the multidisciplinary approach of the MERMAID project, as well as the interaction with partners from industry and stakeholders.

- the DVD includes also a conceptual design and animation of MUP at different study sites

All the interviews are now, incorporated in the MERMAID dissemination movie and will undoubtedly add to the strategic importance of the MERMAID concept. There will be a press release when the DVD will be released. We explore the possibilities to release the DVD during a high level event, linked to MUPs.



Fig 2: Interview with European Commissioner for Research and Innovation, Máire Geoghegan-Quinn, about MUP

## 2.4. Translation project outcomes into Coastal and Marine Wiki articles

Project results will be translated for a large public into accessible quality controlled information pages on the Coastal and Marine Wiki. By using the Coastal and marine Wiki, the project results will be exploited through the web as much as possible. The Coastal and Marine Wiki is an Internet encyclopaedia of almost 1500 information pages for and by coastal professionals providing up-to-date high quality Coastal and Marine information.

So far one deliverable has been translated in a Wiki Article: "The Legal and Policy context of Multi-use Offshore Platforms". It has been accessed 1646 times.

## 2.5. Networking, and knowledge management

Different MERMAID related networking activities have been performed. The annex I gives an overview of all paper, poster or oral presentations that have been performed at different national and international conferences. For a complete overview see Annex.

## 2.6. End user conference

Within this work task, an high-level international end-conference on Multi Use Offshore Platforms will be organized. It was decided to held the conference in Brussels at the end of the project (month 48). The conference will build upon the European expertise and results obtained within the framework of the project MERMAID. It will mainly target project partners, other scientists, SME's, the industry and

policy-makers. It aims to increase public awareness of the possibilities and challenges of constructing Multi Use platforms and to disseminate the project results as widely as possible.

Furthermore, press-actions will be set up in order to promote the conference as widely as possible. The conference will be organized with support from the Marine Board of the European Science Foundation and other relevant institutions, assuring the participation of as many European policymakers as possible. An active link with and the involvement of MERMAID end-users within the process will seek to maximally exploit the project results.

The organization of the end-conference includes the following steps (with indicative timing, based on an end-conference being organized in month 36):

- Decision was made that we could not organize the end conferences of MERMAID, H2OCEAN and TROPOS jointly, because the projects do not end at the same time (MERMAID is a four year project, TROPOS and H2OCEAN in a three year project).

Planned in the near future:

- Installation of an organizing & scientific committee (January-March 2014)
- We now start the exploration of suitable conference venues in Brussels (Sept-Dec 2013)
- Decision on conference venue & date (April 2014)
- First announcement (May 2014)
- Working out the program of the conference & exhibition (May-September 2014)
- Second announcement (September 2014)
- Preparation of the book of abstracts (September-December 2014)
- End-conference & media-actions (March 2015)

## 2.7. Outputs deliverables and deviation

D9.1: Inception report with a exploitation plan: A detailed inception report and dissemination plan  
This deliverable was delivered in time at month 8

MS38: Project web site M4 The project web-site exists and informs on project objectives and advances  
This milestone was delivered in time at month 4

MS39 Distribution of leaflet M 6 Project leaflet distributed to all identified potential end-users  
This deliverable was delivered in time at month 6

D9.4) Website and booklet: MERMAID online information articles in the Coastal and Marine Wiki  
The website was delivered in time, the booklet will have a small delay (one month), due to some late contributions from studysite champions.

D9.2 DVD: MERMAID dissemination DVD  
The DVD has a delay of three months, due to some delay for the conceptual design animation of the MUP, that will be included in the movie.

D9.3 Mid-term dissemination report  
This deliverable was delivered in time at month 26.

## 2.8. Deviations

There are no major deviations at this moment.





## Annex: Dissemination products and activities per category (A1 publications, papers, posters, oral presentations, press releases)

### A1 – Publications

Journal	Title	Date	Responsible partner
Reviews in Environmental Science and Bio/Technology (submitted)	Methodology for Integrated Socio-Economic Assessment of Offshore Platforms: Towards Facilitation of the Implementation of the Marine Strategy Framework Directive	2013-02-19	AUEB, partners WP8
Journal of Waterway, Port, Coastal, and Ocean Engineering, ASCE	Residual Liquefaction of Seabed Under Standing Waves	2013-05	DTU
Coastal Engineering, Elsevier	Sinking of irregular shape blocks into marine seabed under wave-induced liquefaction	2013-05	DTU, ITU
Coastal Engineering, Elsevier	Transmission of wave energy through an offshore wind turbine farm	2013-08-10	DTU
Advances in Oceanography and Limnology	Conservation and restoration of marine forests in the Mediterranean Sea and the potential role of Marine Protected Areas	2013-11-20	UniBo
Renewable Energy	Wave-power absorption from a finite array of Oscillating Wave Surge Converter	2014-03	UR3
Springer	Innovative Multi-Purpose Offshore Platforms: Economic Engineering and Ecological Perspectives” to be published by Springer, Series: "Studies in Ecological Economics	2014-12	AUEB
Springer	A socio-economic framework for assessing off-shore platforms investments	2014-12	AUEB
Sustainability — Open Access Journal	Sustainable Management of Marine Resources under Uncertainty: Economic, Environmental, and Social Aspects	2014-12	AUEB

## Papers

Event	Title	People reached	Date	Responsible partner
8th International Conference on Coastal and Port Engineering in Developing Countries (PIANC-COPEDEC VIII), IIT Madras, Chennai, India	Wave liquefaction in soils with clay content.	More than 300 people reached	2012-02-20	DTU, ITU
6th International Conference on Scour and Erosion, August 27-31, 2012, Paris, France	Edge scour in current adjacent to stone covers.	More than 100 people reached	2012-08-27	DTU
Aquaculture Europe Conference, Trondheim, Norway	Economic feasibility of offshore seaweed production in the north sea		2013-08-09	WuR-DLO
10th European Wave and Tidal Energy Conference (EWTEC2013), Aalborg, Denmark	Recent Advances in the Development of Wave Energy Converters	More than 400 participants	2013-09-02	LWI, UniBo, ENEL
4th SAR oceanography workshop - "Advances in SAR Oceanography" (SeaSAR 2012), Tromso (Norway)	Seafloor topography modelling in Northern Adriatic Sea using Synthetic Aperture Radar	About 10 people reached	2012-06-20	ISPRA
9th FZK Colloquium - "Modelling of marine construction and coastal engineering" Hannover, Germany			2013-02-26	LWI

## Posters

Event	Title	People reached	Date	Responsible partner
4th SAR oceanography workshop - "Advances in SAR Oceanography" (SeaSAR 2012), Tromso (Norway)	Seafloor topography modelling in Northern Adriatic Sea using Synthetic Aperture Radar	About 10 people reached	2012-06-20	ISPRA
4th International Conference on Ocean Energy 2012 Convention (ICOE) Dublin, Ireland	Numerical modelling of the hydrodynamics around the farm of Wave Activated Bodies (WAB)	Over 750 international experts and world-leading companies in ocean energy	2012-10-17	UniBo
LITTORAL 2012: Coasts of tomorrow Ostend, Belgium	MERMAID	200 coastal professionals;	2012-11	VLIZ
EWACC 2012 - "Building Bridges", Nicosia, Cyprus	Marine Research: MERMAID and PERSEUS projects	Participants from the Mediterranean, Europe, North Africa and Middle East	2012-12-10	EEWRC
European Wind Energy Association Event (EWEA 2013), Vienna, Austria	A CASE STUDY OF MULTI-USE OFFSHORE PLATFORMS	More than 8500 participants from over 60 countries	2013-02-04	Statoil
9th FZK Colloquium - "Modelling of marine construction and coastal engineering" Hannover, Germany			2013-02-26	LWI
10th European Wave and Tidal Energy Conference (EWTEC2013), Aalborg, Denmark	Wave disturbance induced by a one-line array of floating Wave Energy Converters	Around 400 international experts and world-leading companies in ocean energy	2013-09-02	UniBo

Researcher's night, Science Rocks, Lemesos, Cyprus	Marine Environment Research	Present at event to educate the public on current projects	2013-09-27	EEWRC
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ECSA 53: Estuaries and coastal areas in times of intense change Shanghai (China) Mainstreaming of Copernicus earth observation value added products for 1000 people coastal ecosystem analysis 2013-10-15 ISPRA

#### Presentations

Event / Location	Title	People reached	Date	Responsible partner
H2OCEAN kick-off meeting Barcelona, Spain	MERMAID	H2OCEAN and TROPOS partners	2012-01-19	DTU
TROPOS kick-off meeting Telde, Gran Canaria	MERMAID	H2OCEAN and TROPOS partners	2012-02-09	DTU
Presentation for a group of hydraulic, coastal and offshore engineering companies	MERMAID	11 companies	2012-02-23	DTU
Alger 2012 Bodo, Norway	Agronomy of Seaweed cultivation	100 people: Norwegian authorities, stakeholders, investors,...	2012-05-23	HORT
22nd Annual Conference of ISOPE (International Society of Offshore and Polar Engineers), Rhodes, Greece	Residual Liquefaction under Standing Waves	Over 1000 participants	2012-06-21	DTU, ITU
International workshop - "Euro-Mediterranean Energy cooperation: working together for a better policy and sustainable energy" Sliema, Malta	Innovative multi-purpose offshore platforms - The EU-MERMAID project	About 100 participants	2012-09-11	EEWRC

1st International Seagrass Sea (Weed) Farming Commodities Conference 2012, Zeeland The Netherlands	Agronomy of Seaweed cultivation	50 people: Dutch R&D's and international seaweed researchers	2012-09-18	HORT
Elected council of the European Association of Environmental and resources economics (EAERE)	The MERMAID project: investigation the potential of an EAERE workshop on the economics of marine waters.		2012-10	AUEB
School of Biological, Earth and Environmental Sciences & Evolution and Ecology Research Centre University of New South Wales, Sydney, Australia	Conservation challenges in marine urban seascapes: combining ecological principles to the design of marine urban infrastructures	50 people	2012-11-16	UniBo
Invited seminar at the University of Padova, Padova, Italy	Evoluzione e conservazione marina - l'urbanizzazione degli ambienti costieri.	100 people	2013-03-20	UniBo
9° incontro dottorandi in Ecologia e Scienze Ambientali AIOL-SITE. Milan, Italy	The quality of marine infrastructures as habitats for epibiota: Grazing pressure on canopy forming algae in artificial structures vs. natural reefs.	50 people	2013-04-15	UniBo
Phd thesis defence. University of Bologna, Italy	Analysis and development of ecologically based approaches to coastal defence		2013-04-29	UniBo
16th International Conference on Economics of Infrastructures, Delft University of Technology, the Netherlands	MERMAID		2013-05	DELTARES
Invited seminar at Geological Survey Pacific Coastal and Marine Science Center, Santa Cruz, USA	The effects of altered sedimentation regimes on coastal benthic communities	40 people	2013-05-22	UniBo

ENERMAR 2013, Cádiz, Spain	Innovative multi-purpose offshore platforms: planning, Design and operation	60 people	2013-06-27	UC
26th International Congress for Conservation Biology, Baltimore, Maryland USA	Combining ecological principles to the design of marine infrastructures to preserve native biodiversity in marine urban seascapes	> 1000 people	2013-07-21	UniBo
Msc Thesis defence. Technical University of Denmark, Denmark	Edge scour at scour protections around offshore wind turbine foundations in waves	Participants from Rambøll, DNV, DTU and DHI.	2013-08-02	DTU
10th European Wave and Tidal Energy Conference (EWTEC2013), Aalborg, Denmark	Experimental assessment of the mooring influence on the power output of floating Wave Activated Body WECs	Around 400 international experts and world-leading companies in ocean energy	2013-09-02	UniBo
Invited seminar at Moss Landing Marine Laboratories, USA	The loss and recovery potential of Mediterranean forests of fucoid algae	40 people	2013-09-05	UniBo
La noche de los investigadores (Researchers night) , Cantabria, Spain	Presente y futuro de las energías renovables marinas (Present and future of marine renewable energies)	100 people	2013-09-27	UC
Invited seminar at University of Hawaii at Manoa, USA	Anthropogenic marine ecosystems: preserving native biodiversity in increasingly urbanised seascapes	40 people	2013-09-27	UniBo
4th CoastDoc Workshop 2013, Hannover, Germany	Wave Energy Converter Technology: Current Status, Challenges and Future Directions	50 to 100 people	2013-09-30	LWI

Workshop "Identification of research needs with regard to socio-economic analysis under the Marine Strategy Framework Directive (MSFD)" Joint Research Centre Project. (JRC), European Commission in Ispra (Italy)

Socio-Economic Analysis in MERMAID FP7 Project.

2013-10-10 AUEB

3rd International Marine Protected Areas Congress, Marseille & Corsica, France	The potential role of Marine Protected Areas in the conservation and restoration of Mediterranean marine forests	Expected >200 people	2013-10-21	UniBo
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40th CIESM Congress in Marseille, France	Conservation and restoration of Cystoseira forests in the Mediterranean sea: The role of marine protected areas	Expected >300 people	2013-10-28	UniBo
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Storm Surge Network Event Venice (Italy)	Multitemporal observations of extreme met-ocean conditions from Envisat ASAR and Copernicus Optical parameters	100 people	2013-11-19	ISPRA
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#### Press releases

Event	Title	People reached	Date	Responsible partner
Article about MERMAID – FP7 project, Denmark	The Ocean – "Industrial district" of the future	Published in 1000 copies also on the internet	2012-06	DTU
News article in Europapress.es	La UC participa en un proyecto para desarrollar energía eólica marina	Over 10.000 people	2012-07-24	UC
TUBITAK web page and e-mail news feed database	Success story of MERMAID (in Turkish)		2012-09-20	ITU

Media call and press release for the 2nd project meeting of MERMAID, Turkey		Almost 40% of the Turkish population	2012-09-21	ITU
Article in Newsletter of AUEB Energy and Sustainability Club	Research on Innovative Multi - purpose Offshore Platforms in Greece		2012-10	AUEB
Article about 2nd MERMAID meeting in Istanbul	Avrupa Denizlerinde Yenilikçi Platformlar Proje Toplantısı İTÜ'de Düzenlendi	ITU alumni, ITU related personnel, ITU universities and governmental organisations in Turkey	2013-01	ITU
Article about MERMAID on e-kefalonia.net, inkefalonia.gr, kefaloniapress.gr, ithacanews.gr, kefaloniaphotonews.gr, anexartitios.gr, mykefalonia.com, kefalonizw.com, ionianpress.gr	Δελτίο τύπου «Project MERMAID» (Press Release "MERMAID project")		2013-01-08	KF