



Macaronesian Maritime Spatial Planning

“1º STAKEHOLDERS ENGAGEMENT WORKSHOP”

Madeira

MarSP Deliverable:

D.2.2 Local and Regional Stakeholder Workshops

March 2018



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Summary
<p>The MarSP project intends to engage stakeholders from the beginning of the process, taking into account the various stages of the maritime spatial planning process in Macaronesian regions, and applying methodologies in line with European ethics guidelines and requirements.</p> <p>The Autonomous Region of Madeira is a pioneer in the process of maritime spatial planning in Macaronesia, and the spatial plan developed over the last three years has already been submitted. During this time, various stakeholders participated throughout the process, especially through plenary meetings and sectoral group meetings to discuss conflicts between uses and activities in the regional maritime space.</p> <p>Taking advantage of the last plenary meeting of the advisory committee of the Madeira maritime spatial plan, the 1º MarSP Stakeholders Engagement Workshop was held simultaneously with the objective of convincing these stakeholders, mandatory by law, to follow work to be developed by DROTA after the approval of the plan through the MarSP project, which will serve as a basis for a possible future review of the plan, which is now pending approval.</p>

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List of acronyms

DROTA: Direção Regional do Ordenamento do Território e Ambiente – Secretaria Regional do Ambiente e dos Recursos Naturais, Governo Regional da Madeira (Regional Directorate for the Land Planning and Environment)

GIS: Geographic Information Systems

MarSP: Macaronesian Maritime Spatial Planning

MSP: Maritime Spatial Planning

WP: Work package

Introduction

MarSP project intends to reinforce maritime spatial planning (MSP) in Macaronesian archipelagos Azores, Madeira and Canary Island. MarSP aims to assist the competent authorities of Portugal (Azores and Madeira) and Spain (Canary Islands) on promoting the development of operative mechanisms of Maritime Spatial Planning (MSP) until 2021.

Aligned with the European MSP Directive 2014/89/EU and EASME call for MSP cross-border cooperation on for outermost regions, MarSP will focus the cooperation of the three regions of Macaronesia: the Azores, Madeira and the Canary Islands and will ensure a coherent and coordinated MSP taking into account the transnational issues.

These three regions of Macaronesia have been developing their own planning processes according to the Directive 2014/89/EU, national legislation and governance frameworks, which are remarkably different. Currently, each archipelago is in distinct stages of development of MSP implementation. For this reason, a complete homogenization of the approaches for the three regions is not possible and neither desirable. On the other hand, this discrepancy may represent a strong point in this project, since facing distinct MSP processes, designed to deal with similar problems, due to the same geographic context, but at distinct stages of development, will certainly bring a testing dimension to the project that is not negligible.

Despite Madeira is already in the finalization phase of the MSP plan, the MarSP project, through the Work Package 2 (WP2), intends to map the current conditions and create a vision for the MSP in Macaronesia, taking into account for this exercise the Stakeholders Engagement (Task 2.1), where the expected Stakeholder Workshops (D.2.2.) will take place on months 3, 13 and 23, to contribute to the identification of the main challenges and recommendations of the MSP process for all Macaronesia.

Although many of the objectives and dynamics defined by the Stakeholder Engagement strategy (D.2.1) make sense for the other regions, which are at an early stage or have not yet begun their maritime spatial planning process, they hardly apply to Madeira, which has worked closely with the stakeholders over the past three years and is now in a sensitive phase of finalizing and submitting the MSP plan.

In spite of this situation, the Workshop took place and addressed issues related to the MSP process that has taken place in recent years in the region, but, was in great extent also future-oriented, pointing to a future revision of the MSP Situation Plan currently in submission and to the possible application of a framework for an even more coherent, transparent, sustainable and informed decision-making process.

Purpose

This report aims to describe the contents that were presented and discussed, and the respective results and conclusions obtained during the 1^o Stakeholders Engagement Workshop that took place on Madeira Island.

Workshop Objectives and Structure

The 1^o Stakeholders Engagement Workshop (D.2.2) that was held on Madeira Island on the 26th of March, took into consideration the current state of the region in relation to Maritime Spatial Planning (MSP) and was intended to ensure the continuity in this project of the stakeholders that are mandatory by law and that were part of the maritime spatial planning process that was developed in the region, presenting them with the added value of the MarSP project.

During this session, which was established that would be open to the public, it was intended to achieve the following objectives:

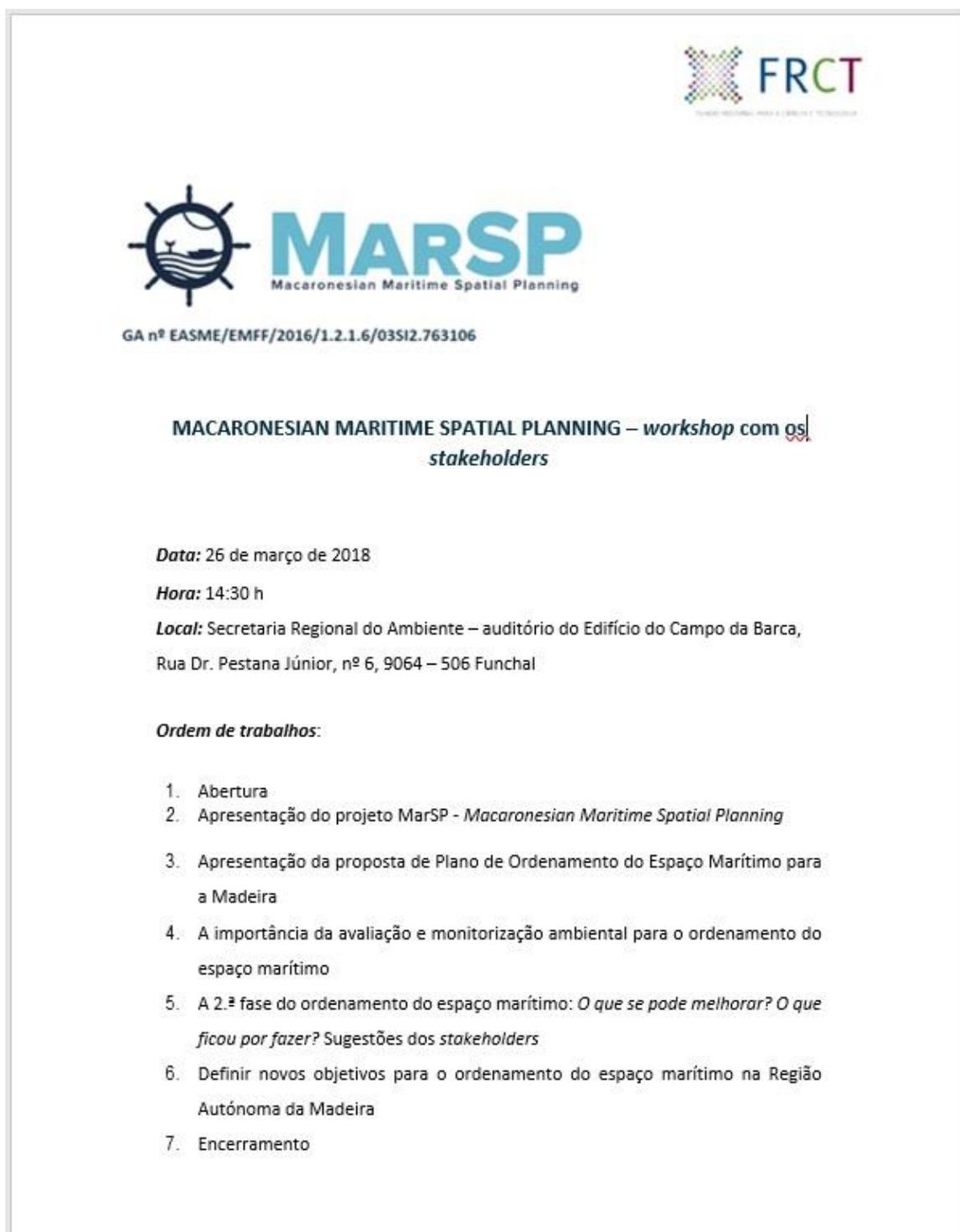
- Publicize the MarSP Project;
- Describe the concept of maritime spatial planning;
- Sensitize the guests to the importance of maritime spatial planning;
- Demonstrate how the MSP is an instrument for overcoming conflicts and achieving good environmental status;
- Presentation of practical cases of conflict resolution (PSOEM-Madeira);
- Demonstrate the added value of stakeholder participation and role in the process;
- To highlight the importance of cross-border cooperation;
- To express the relevance of Macaronesia to assume a prominent geostrategic position in the Atlantic;
- To emphasize the importance of the continuation of the Maritime Spatial Planning process (2nd phase - potential revision of the plan);
- Captivate stakeholders for the MarSP project, among them, those who have followed the process of spatial planning in recent years.



Figure 6. Workshop Advertising poster

Workshop Detailed Agenda

It was determined that the event would follow a work order present in figure 2 that would address the topics presented in table 1, and that, by doing so, there would be a coverage of the objectives listed above.



The image shows a document titled "MACARONESIAN MARITIME SPATIAL PLANNING – workshop com os stakeholders". It features logos for FRCT and MARSP (Macaronesian Maritime Spatial Planning) at the top. The document includes the GA number GA n° EASME/EMFF/2016/1.2.1.6/03SI2.763106, the date (26 de março de 2018), time (14:30 h), and location (Secretaria Regional do Ambiente – auditório do Edifício do Campo da Barca, Rua Dr. Pestana Júnior, nº 6, 9064 – 506 Funchal). The agenda consists of seven items: 1. Abertura; 2. Apresentação do projeto MarSP - Macaronesian Maritime Spatial Planning; 3. Apresentação da proposta de Plano de Ordenamento do Espaço Marítimo para a Madeira; 4. A importância da avaliação e monitorização ambiental para o ordenamento do espaço marítimo; 5. A 2.ª fase do ordenamento do espaço marítimo: O que se pode melhorar? O que ficou por fazer? Sugestões dos stakeholders; 6. Definir novos objetivos para o ordenamento do espaço marítimo na Região Autónoma da Madeira; 7. Encerramento.

Figure 7 – Workshop agenda

Table 1 - Workshop Agenda

Topics Covered
Presentation: MarSP project
Presentation: Proposed Madeira MSP Plan and the difficulties that have been overcome
Presentation: The importance of environmental assessment and monitoring for MSP & the MSP Future
Debate: The 2nd phase of maritime spatial planning: What can be improved? What's left to do? Stakeholder suggestions
Discussion and Survey: Definition of new objectives for the MSP in the Autonomous Region of Madeira

It was planned that a debate session would be held, in order to cover several topics addressing MSP future-oriented subjects and, in the end, a stakeholder discussion adjusted to the current state of the region in the MSP was promoted, in order to identify gaps and new opportunities concerning all the actors in the process.

Table 2. Speakers in Workshop Presentations

Speakers	Role	Topics Covered
Fátima Alves	Aveiro University Researcher & Professor	Environmental assessment & future of MSP
Manuel Ara Oliveira	DROTA Subdirector	Madeira MSP Plan
Paula Menezes	DROTA Director	Madeira MSP Plan
Sofia Vieira	Specialist technical at SRA	Moderator
Isabel Lopes	MarSP Advisory Board	Potential uses and Activities
Vítor Jorge	DROTA Technician & MarSP Steering Committee	Geographic Information Systems and INSIRE directive

Biographical notes

All the speakers present at the workshop had some experience in MSP process and different backgrounds, as described below:

Table 3. Biographical notes of the Speakers

	Name	Biographical Notes
	<p>Fátima Alves</p>	<p>Fátima Lopes Alves has a PhD in Sciences Applied to the Environment (University of Aveiro;Portugal). She is professor in the Department of Environment and Planning in the University of Aveiro and researcher at the Centre for Environmental and Marine Studies (CESAM). With more than 23 years of professional experience, her main fields of expertise are Integrated Coastal and Marine Planning and Management, Spatial Planning of Protected Areas, Strategic Planning, AIA/ SEA. She is participating/has participated in national (FCT; EEA Grants) and international research projects on ICZM, MSP and Environment and Socioeconomic Assessment. Some of these projects are TPEA: Transboundary Planning in the European Atlantic (DG MARE), AQUACROSS: Knowledge, Assessment, and Management for Aquatic Biodiversity and Ecosystem Services across EU policies (H2020), LAGOONS: Integrated water resources and coastal zone management in European lagoons in the context of climate change (FP7), and SPRES: Oil Spill Prevention and Response (INTERREG IV). Fatima Lopes Alves has long experience in working has a consultant for public and private organizations. She has also vast experience in the coordination of multidisciplinary teams has member of the coordination team of the Portuguese Maritime Spatial Planning and Coastal Zone Management Plans in the Portuguese mainland and of Azores islands. She is editor of 7 books, co-author of 15 books chapters and author of 28 papers in ISI journals in the area of Coastal and Maritime Management and Planning. Supervisor of 27 MSc students, 10 PhD students and 1 post-doc researcher. International evaluator of the BONNUS Programme for Baltic Sea in 2014 (thematic area: maritime spatial planning). Expert to the international enterprises: B&S Europe (Brussels) and GIZ (German) in the scope of Marine Protected Area in the Atlantic space and, in the scope of maritime Spatial Planning and ICZM for the Benguela Current Commission (Angola, Namibe and South Africa).</p>
	<p>Manuel Ara Oliveira</p>	<p>Biological engineer, with 20 years of professional activity, big part as a leader of many sectors of the public administration: environment, planning, management of the coastal coast and, most recently, affairs of the sea. Is a regional subdirector for sea affairs, and the focal point for the implementation of the</p>

		framework directive <i>marine strategy</i> , framework directive <i>maritime spatial planning</i> , and <i>Mar-Portugal plan</i> . He is vowel of the committee of the public maritime domain.
	Paula Menezes	<p>Paula Menezes holds a degree in civil engineering and currently holds the position of regional director at the Regional Directorate for the Land Planning and Environment (DROTA). Previously he held the position of senior technician in the regional subdivision of Marine Affairs in DROTA, being responsible for the area of the <i>Blue Economy</i> in the pursuit of the European guidelines for the Integrated Maritime Policy.</p> <p>Worked at the Ponta Oeste Society as responsible for the Recreation of Port of Calheta and as a member of the Technical Unit, in support of Public hiring and was an advisor in the office of the Vice President of Government, responsible for organizing and managing information on the Works Vice-Presidency in several specialized commissions. She was also part of the team responsible for the construction of infrastructures for access to the sea in the Region.</p>
	Sofia Vieira	<p>Sofia Vieira is graduated in biology from the University of Madeira. She was worked for Regional Secretariat for Agriculture and Fisheries and is currently working as a specialist technical in the office of the Regional Secretariat for the Environment and Natural Resources. She participated in several projects such as MARPROF and the publication of several scientific articles.</p>
	Isabel Lopes	<p>Isabel Lopes holds a degree in Geography and Regional Planning and a Master's in Territory Management from New University of Lisbon.</p> <p>She has carried out several works in the area of maritime spatial planning and the sea <i>cluster</i>, which resulted in the master's thesis, <i>Proposal for the constitution of a Sea Cluster in the Autonomous Region of Madeira and the role played by maritime spatial planning</i>, as well as some papers and oral communications. It was also responsible for the elaboration of the Situation Plan for maritime spatial planning (subdivision of Madeira) and is currently working on the creation of metadata for the sea area under the PLASMAR project.</p>
	Vítor Jorge	<p>Vítor Jorge is graduated in geography from the University of Porto. He worked for Directorate-Regional for Geographic Information Systems and Cadastre where has developed several works in the scope of thematic mapping and spatial analysis and in the implementation of INSPIRE directive. Through the SNIMaR - National Information System of the Sea, he was involved in the prospection and treatment of thematic data of marine</p>

		<p>environment, and in the implementation of INSPIRE specifications and guidelines.</p> <p>Subsequently, he coordinated the geospatial component of the MSP Situation plan for the Autonomous Regions of Madeira.</p> <p>He participated in several projects such as Mystic Seas and PLASMAR and currently integrates MarSP Steering Committee.</p> <p>He currently works for Regional Directorate for the Land Planning and Environment (DROTA)</p>
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Workshop Results

Targeted workshop audience

The workshop was attended by a significant number of participants, most of whom were representatives of institutions that were part of the stakeholders group who participated in the last 3 years in the process of regional maritime spatial planning through a Madeira MSP Situation Plan consultative committee.

The institutions represented in this event were the following:

Table 4. List of stakeholders who attended the workshop

Entity/Stakeholders	Description
Instituto Hidrográfico/Capitania do Porto do Funchal e do Porto do Porto Santo	The National Maritime Authority is responsible for coordinating the activities to be carried out by the Navy, the Directorate-General of the Maritime Authority (DGAM) and the General Command of the Maritime Police (CGPM), at national level, in public and maritime dominated spaces under sovereignty and national legal system, paying attention to the legal-functional regimes that regulate their respective organizational frameworks.
Secretaria Regional de Agricultura e Pescas – Direção Regional de Pescas	The Regional Secretariat for Agriculture and Fisheries (SRAP) is one of the departments of the Regional Government of Madeira, with responsibilities in the areas of agriculture, fisheries which also includes aquaculture and fish processing and management of community agricultural and fishery funds.
Vice-Presidência – Direção Regional da Economia e Transportes	The Regional Directorate for Economy and Transport (DRET) was created with the mission of ensuring the implementation of the policy defined by the Regional Government for the Trade, Industry, Energy, Quality, Transportation and Mobility sectors, with a view to being a dynamic and proactive society, ensuring an excellent level of quality in the provision of its services.
Secretaria Regional do Turismo e Cultura	The Regional Secretariat for Economy, Tourism and Culture (SRETC) is the department of the Regional Government of Madeira, which has responsibilities in the sectors of economy - commerce, industry and

	services, inspection of economic activities, transport and accessibility, energy, entrepreneurship, innovation, support tourism, and culture.
Secretaria Regional dos Assuntos Parlamentares e Europeus	The Regional Directorate for European Affairs and External Cooperation has the task of continuing to define, coordinate and implement the external action of the Regional Government in the fields of European affairs and external cooperation, in consultation with the relevant Regional Government departments, bodies of the European Union and certain European interregional organizations.
Secretaria Regional da Educação – Direção Regional da Juventude e Desporto	The Regional Secretariat for Education (SRE) is one of the departments of the Regional Government of Madeira, which is responsible for executive policies in the areas of education, special education, vocational training, sport and youth.
APRAM – Administração de Portos da Região Autónoma da Madeira	APRAM, S.A. - Administration of the Ports of the Autonomous Region of Madeira S.A., better known as <i>Portos da Madeira</i> , is the entity responsible for the administration and jurisdiction of most port areas whose capital is fully public. Its objective is to ensure "the administration of the ports, terminals, quays and marinas of the Autonomous Region of Madeira under the port jurisdiction, aiming at its economic exploitation, planning, construction, conservation and development, covering the exercise of the powers and prerogatives of port authority that you are or will be committed.
Observatório Oceânico da Madeira	The Madeira Ocean Observatory (OOM) aims to constitute itself as a pole of excellence dedicated to research and permanent monitoring of the ocean. This initiative brings together a multidisciplinary scientific community, bringing together several entities in order to promote cooperation and profitability of resources. The initiative began in January 2014 to consolidate historical data, observations and forecasts on a common platform, enabling the Madeira Autonomous Region (RAM) to respond more effectively to the requirements of assessment and management of marine resources, adequate means to promote sustainable development.
AREAM – Agência Regional da Energia e Ambiente da Região Autónoma da Madeira	The AREAM - Regional Energy and Environment Agency of the Autonomous Region of Madeira is a private, non-profit-making association with public-interest recognition, established in 1993, with the mission of promoting knowledge, innovation and cooperation in the fields of energy and the environment.
ACIF – CCIM – Associação Comercial e Indústria do Funchal – Câmara do Comércio e Indústria da Madeira	The ACIF-CCIM is the entity that, in the Autonomous Region of Madeira, represents the major sectors of Commerce, Services, Industry and Tourism, in its private sector, with the Presidents of the Sector seats in the Direction.
Secretaria Regional do Ambiente e Recursos Naturais - Direção Regional do Ordenamento do Território e Ambiente	The Regional Directorate for Spatial Planning and Environment (DROTA) mission is to implement and coordinate regional management of environmental quality management, water, the sea, the coast, land use planning, and geographic, cartographic and contributing to the sustainable development of between the various sectoral policies.
Direção – Geral dos Recursos Naturais,	The activity of the General Directorate for Natural Resources, Safety and Maritime Services (DGRM) is developed in three key areas:

Segurança e Serviços Marítimos	Maritime Administration, Fisheries, and Maritime Management and Sustainability, aiming at safeguarding human life, maritime safety, sustainability natural resources and the marine environment, as well as the protection and protection of fishing ports.
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Oral Communications

The Regional Deputy Director for Maritime Affairs, Manuel Ara Oliveira, started the workshop by thanking everyone for attending the event considered very important for Region.

He said that we were already in the final phase of the Plan and that an additional effort would be necessary in this last phase. He thanked the representatives of the Consultative Committee in particular for the collection of the contributions and the meetings that were developed throughout the plan, since they were fundamental to its development.

The Regional Director for the Land Planning and Environment, Paula Menezes, thanked all the participants for their presence, saying that maritime spatial planning is very important for the economic development of the Region.

Throughout the workshop, as planned, there were oral 3 presentations using PowerPoint slides, which addressed the following topics:

- Presentation of the Seascape Planning Plan - This presentation was intended to present the Situation Plan for the subdivision of Madeira. During the preparation of the Situation Plan, a survey was made of the main uses and activities, especially those that existed. With regard to potential activities, it was difficult to define new uses or activities since the existing studies are not yet sufficient to explain the areas.
- Presentation of the MarSP - Madeira projects the future of Maritime Spatial Planning by focusing on knowledge and cross-border cooperation. In this presentation we explained the maritime space planning project, taking into account the European directive as well as the national legislation in force. It was explained what is intended to be achieved with this project, namely, the need to caution and minimize the impacts caused by activities considered threatening, such as the case of deep sea mining for example or the need to ensure good environmental status. Stakeholders were informed that the MarSP project will last for 24 months, has 9 partners and will consist of 7 workpactages. Each of the workpactages was explained and it was mentioned that Madeira had an active participation in all, being one of them, the WP3 that would serve to constitute new uses and activities, that is to say, one of the shortcomings of the Situation Plan. Through this WP, further studies related to seabed prospecting and monitoring and species and habitat enlargement would be carried out. A proposal was made for areas that had already been discussed with stakeholders during the preparation of the Situation Plan because of their importance: because they are areas

that have a large number of uses or activities or because the existing knowledge is very scarce. He also had a very active participation in WP5, regarding the creation of a platform.

- Strategic Environmental Assessment and the Future of Maritime Spatial Planning - They said that the Situation Plan is subject to a Strategic Environmental Assessment (SEA) process. The SEA is developed by the DGRM and by the autonomous regions, DROTA and DRAM, which ensure their regional specificities. The team explained the methodological approach of the SEA report, stating that it would meet the technical and legal provisions to which the SEA is associated, based on the methodology adopted by the Portuguese Environment Agency. Also considered in the report was the analysis of current EPA practices in the context of international OEM processes.

The six critical decision support factors were presented: environmental status, development and blue growth; risks and climate change; defense and surveillance; knowledge, scientific and technical capacity, and, finally, cooperation.

For the Autonomous Region of Madeira, the trend scenario was also presented, which aims to understand the expected evolution of the use of maritime space, in the face of the challenges of development and blue growth and preservation / safeguard of the marine environment.

Lastly, he said that in recent years there has been a growth in uses and activities in the maritime space, so it is necessary and important that all these uses and activities are properly safeguarded and that they guarantee good environmental status. It is also important that all stakeholders were aware of the importance of maritime spatial planning and that they all work together for the same purpose.



Figure 8 - Speakers of Madeira 1º Stakeholders Workshop



Figure 10 - Fátima Alves presentation: The Importance of environmental assessment and monitoring for MSP & MSP Future



Figure 9 - Stakeholders and public

Dynamics

During the debate that was part of this workshop, multiple references were made regarding the importance of a bet, through the MarSP, in the knowledge and in the determination of new methodologies for definition of aptitudes in the Maritime space for the implementation of new uses and activities. It was emphasized that MarSP has the conditions to be an important basis for the future review of the MSP Plan that is currently in the approval process and could serve also to corroborate certain decisions already taken.

In the multilateral discussion, it was emphasized the complexities and difficulties faced during the MSP process, that in the future could be overcome with the following:

- Research and surveys are necessary to overcome the lack of knowledge of the seas;
- The integration of new stakeholders in MSP Process;
- The need to involve more specialists;
- The Need for further information disclosure;
- Make the population more aware of the issues related to the sea;
- Contemplate other activities mentioned in Blue Growth;
- The Need for more professional qualification and academic training courses;
- More cross-border contacts should be established between the institutions that represent the various sectors of maritime activity;
- There is an urgent need for the identification and centralization of all marine data that are currently dispersed and can be essential for the MSP;
- Some institutions lack GIS technical capacity and need training to be able to give more and better contributions to MSP;
- It is imperative and urgent to apply the INSPIRE directive in order to standardize data and make it interoperable in a cross-border context;
- The need to test new methodologies to define areas with aptitude for uses and activities, such as through the use of GIS grids in which various types of data will be weighed.

At the end of the session, a survey and consent form were distributed. Many of these representatives expressed their willingness to follow up the work to be carried out during the MarSP project, but they did not feel comfortable to fill in the surveys and sign the consent form in situ, without the authorization of their hierarchical superior.

Final considerations

The Autonomous Region of Madeira, as an insular ultraperipheral territory, with a little diversified economy, finds in marine development an opportunity to establish itself as a maritime region of excellence in the national and European context.

The maritime spatial planning emerges as a fundamental element to dynamize the economic activity related to the sea, through the delimitation of uses and activities in the maritime space. In a first phase, through the Situation Plan, it was possible to identify the uses and activities in the maritime space, in particular the existing ones. Some potential uses or activities were also identified. However, the lack of existing knowledge did not allow us to identify new uses and activities or reinforce those that have already been identified.

This workshop, through the analysis of the stakeholders who have followed the process of maritime spatial planning since the beginning, have identified the main gaps in the Situation Plan that is necessary to fill. They also mentioned the need to integrate more stakeholders. Although we have witnessed the presence of new stakeholders, it is necessary that the activity be more publicized so that more entities, from the most varied levels, can participate actively in the Plan. To this end, the MarSP project must be more widely disseminated through social networks, and there must be more training workshops and actions so that all stakeholders are informed as well as the community in general.

The workshop was a success, several entities joined the event and were interested in remaining involved in the planning process through MarSP Project. A good future is ahead!

Annex

First Presentation – Situation Plan

Ordenamento do Espaço
Marítimo Nacional
Plano de Situação



Comissão Consultiva

apresentação
plano de situação

Subdivisão Madeira



Secretaria Regional
do Ambiente e Recursos Naturais
Direção Regional do Ordenamento
do Território e Ambiente



Ordenamento do Espaço
 Marítimo Nacional
 Plano de Situação

Estrutura do Plano



Secretaria Regional
 do Ambiente e Recursos Naturais
 Direção Regional do Ordenamento
 do Território e Ambiente

Logo



 **Ordenamento do Espaço
 Marítimo Nacional**
 Plano de Situação

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Estrutura do plano



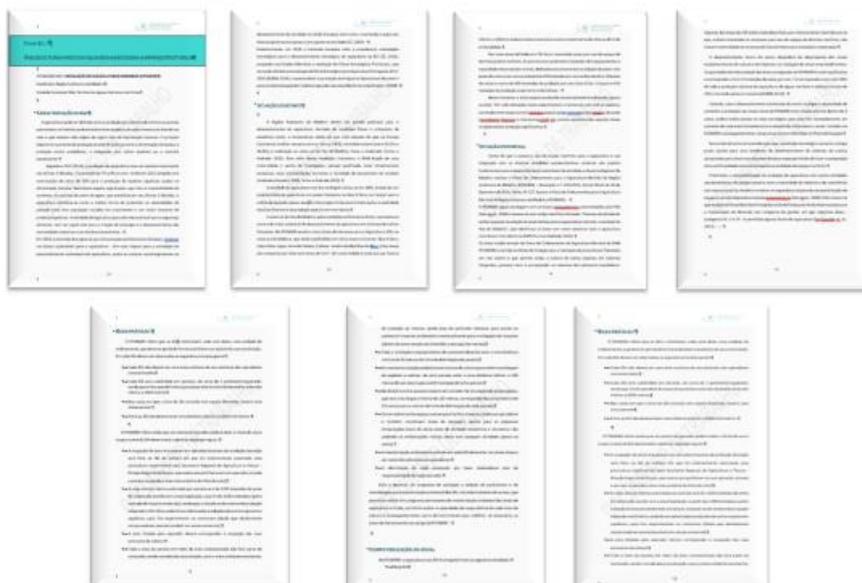
O documento do Plano de Situação está organizado em 5 volumes:

- ^ VOLUME I
ENQUADRAMENTO, ESTRUTURA E DINÂMICA
- ^ VOLUME II
METODOLOGIA GERAL DE ESPACIALIZAÇÃO DAS ATIVIDADES
- ^ VOLUME III
ORDENAMENTO DO ESPAÇO MARÍTIMO POR SUBDIVISÃO
- ^ VOLUME IV
RELATÓRIO DE CARACTERIZAÇÃO POR SUBDIVISÃO
- ^ VOLUME V
RELATÓRIO AMBIENTAL



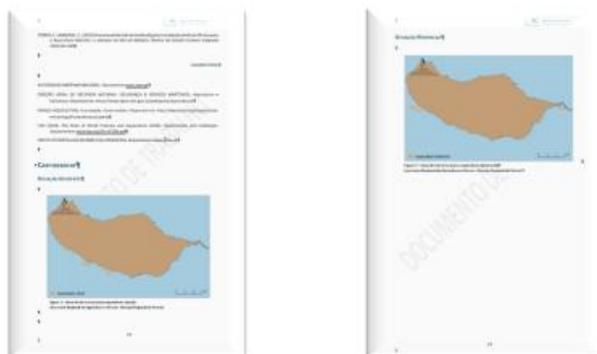
Fichas de atividades – exemplo

Ficha 1–Aquicultura e pescas quando associada a uma infraestrutura



Fichas de atividades – exemplo

Ficha 1–Aquicultura e pescas quando associada a uma infraestrutura



Atividades (Madeira)



12 fichas detalham a espacialização de usos e atividades:

- 1 – Aquicultura e Pesca quando associada a infraestruturas
- 2 – Recursos Minerais Não Metálicos
- 3 – Energias Renováveis
- 4 – Cabos, ductos e emissários submarinos
- 5 – Plataformas Multiusos e Estruturas Flutuantes
- 6 – Investigação Científica
- 7 – Recreio, Desporto e Turismo
- 8 – Património Cultural Subaquático
- 9 – Imersão De Dragados
- 10 – Afundamento de navios e outras estruturas

Fichas desenvolvidas em parceria com as restantes subdivisões:

- Recursos Minerais Metálicos
- Armazenamento de Carbono



Ordenamento do Espaço
Marítimo Nacional
Plano de Situação

Dinâmica do Plano



Secretaria Regional
do Ambiente e Recursos Naturais
Direção Regional de Ordenamento
do Território e Ambiente

Dinâmica do Plano de Situação



- Plano de Afetação
- Atribuição e cessação do Direito de Utilização Privativa do Espaço Marítimo
- Criação de novas servidões e restrições administrativas
- Alteração de Planos e Programas Territoriais
- Alteração das Condições Ambientais
- Alteração
- Revisão
- Suspensão

Dinâmica do Plano de Situação



Monitorização do Plano de Situação

- Plano Mar Portugal

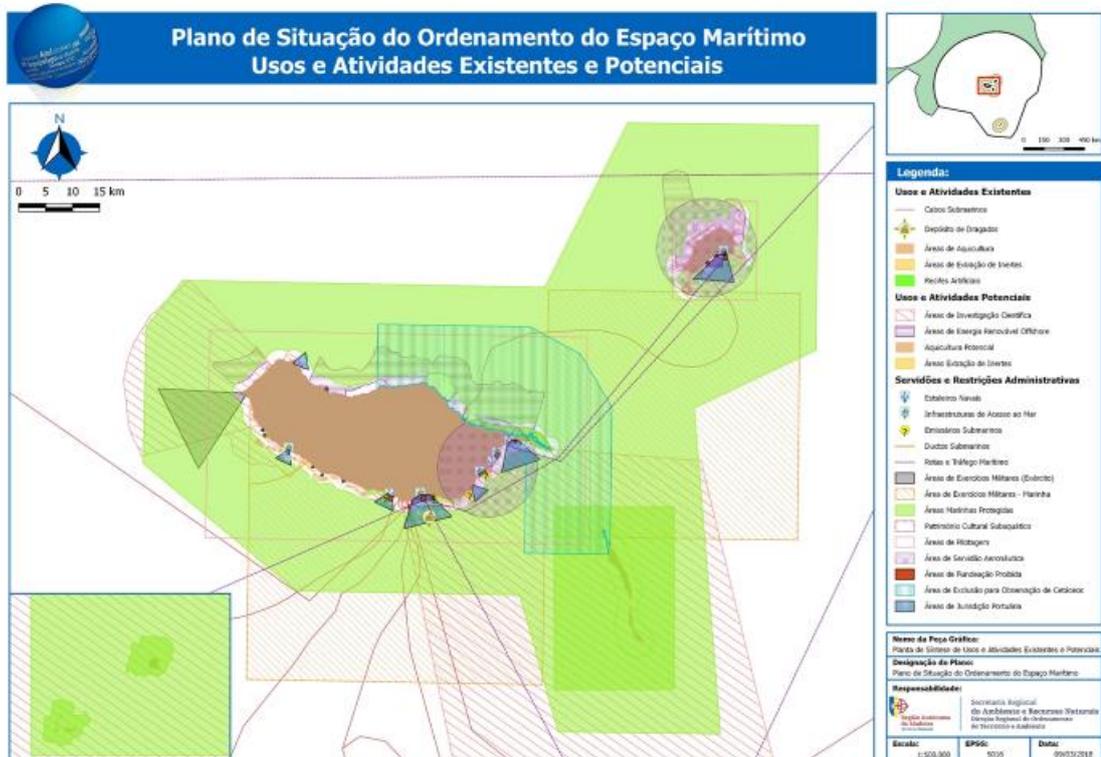
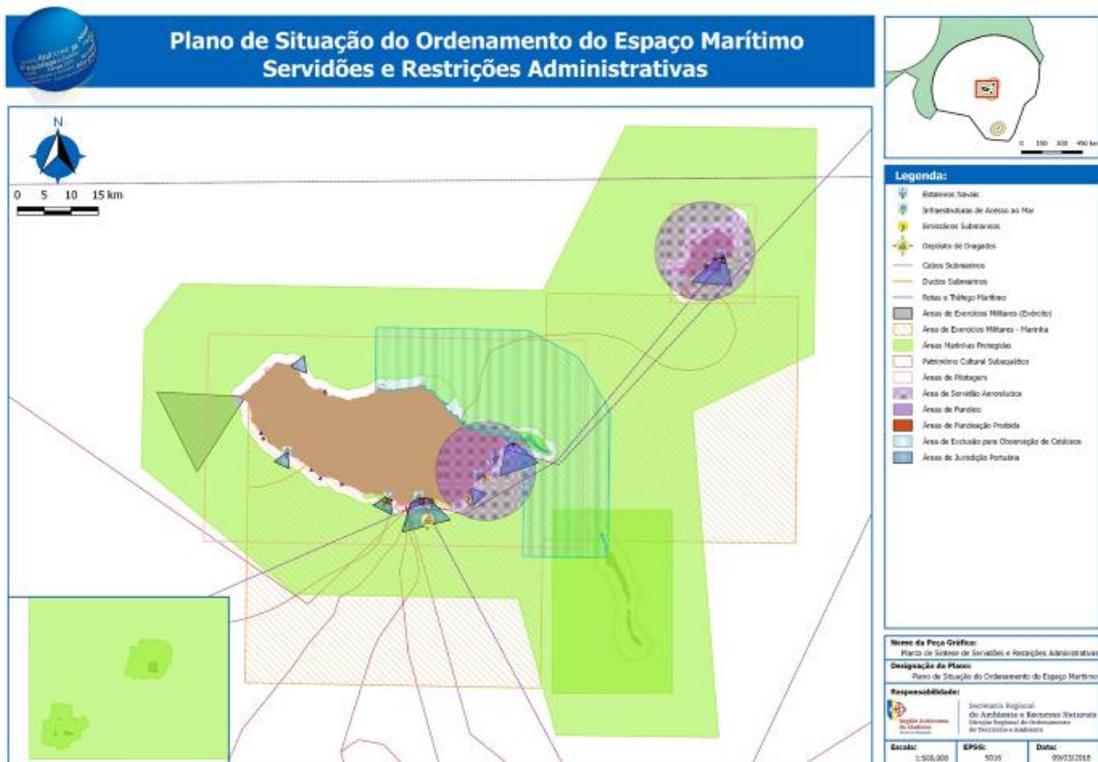


- Diretiva Quadro Estratégia-Marinha



Ordenamento do Espaço
Marítimo Nacional
Plano de Situação

Espacialização dos usos e atividades



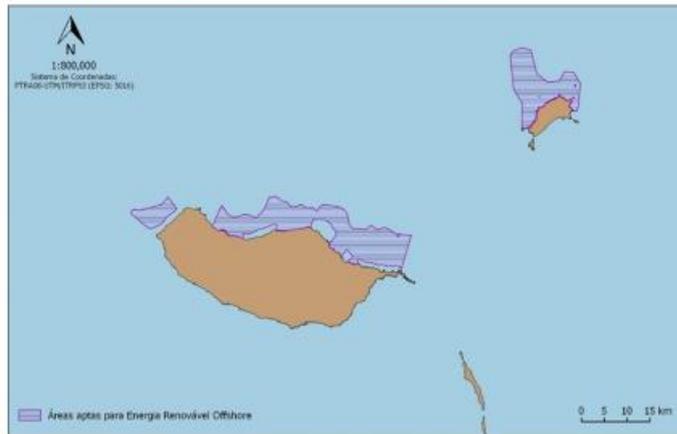
1 – Aquicultura e Pesca quando associada a infraestruturas
 Situação existente e potencial



2 – Recursos minerais não metálicos
 Situação existente



3 – Energias renováveis Situação potencial



4 – Cabos, ductos e emissários submarinos Situação existente e situação potencial

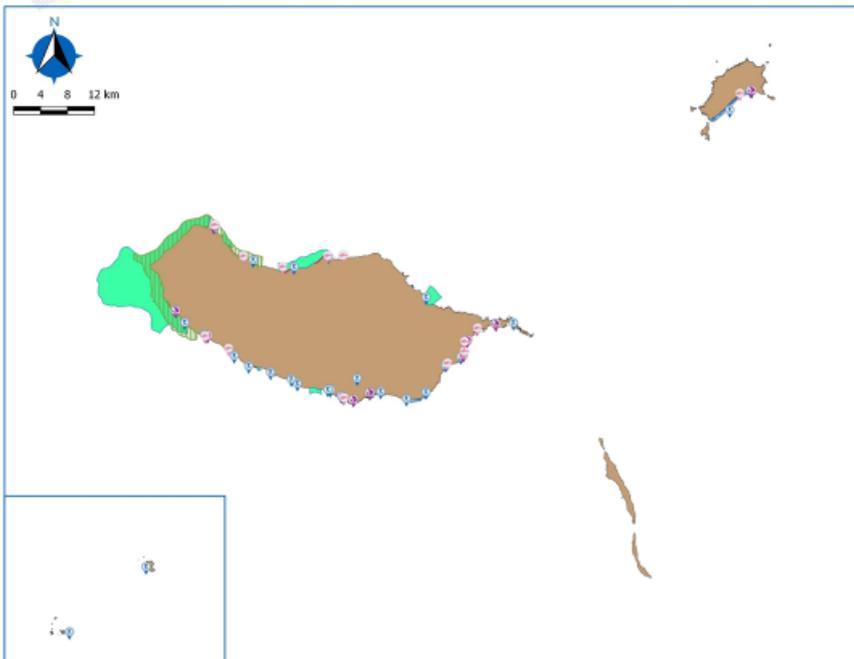


5 – Investigação científica

Situação potencial – zonas de teste e demonstração



Plano de Situação do Ordenamento do Espaço Marítimo Recreio, Desporto e Turismo



Legenda:	
Desportos Náuticos	
	Locais de Prática de Canoagem
	Locais de Prática de Pesca Desportiva
	Locais de Prática de Vela
	Áreas de Prática de Surf
	Áreas de Prática de Tiro
	Áreas de Prática de Caça Submarina
	Áreas de Prática de Pesca Desportiva
	Áreas de Prática de Natação em Águas Abertas

Nome da Peça Gráfica:		
Planta de Situação de Recreio, Desporto e Turismo		
Designação de Plano:		
Plano de Situação do Ordenamento do Espaço Marítimo		
Responsabilidade:		
	Secretaria Regional do Ambiente e Recursos Naturais Centro Regional de Ordenamento do Território e Urbanismo	
Escala:	EPSG:	Data:
1:400,000	31461	09/03/2018



Ordenamento do Espaço Marítimo Nacional
Plano de Situação

Geoportal



Geoportal de apoio aos grupos de trabalho

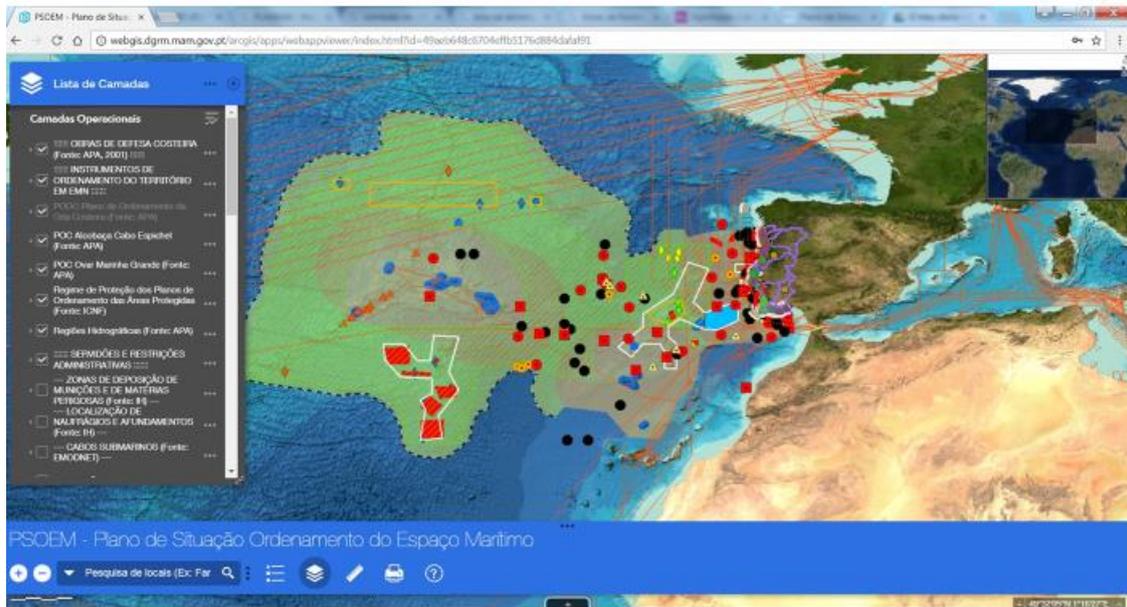



The screenshot shows a web browser window displaying the Geoportal interface. The main map area shows the island of Madeira with several colored overlays representing different maritime planning zones. A legend on the right side of the screen lists the following categories:

- Agricultura (Existentes)
- Áreas de Jurisdição Portuária
- Áreas de Serviço Aeronáutico
- Cabeços Submarinos
- Embarcões Submarinos

Below the legend, there is a text block describing the PSOEM - Madeira, followed by the logo of the Regional Secretariat for the Environment and Natural Resources of Madeira.

Geoportal do Plano de Situação



OBRIGADO

Second presentation





MARSP
Macaronesian Maritime Spatial Planning

Coordinated by

Governo das Açores | FRCT

Partners

Instituto Superior de Oceanografia | Instituto Nacional de Ambiente e Recursos Naturais | dgriem | dgpm

INSTITUTO SUPERIOR DE OCEANOGRAFIA | UTA | ICA | UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA | ECOACQUA

Funded by

 This project was co-financed by the European Maritime and Fisheries Fund Under the Grant Agreement: EASME/EMFF/2016/12.1.1/16/152/76106

I Workshop

Madeira projeta o futuro do Ordenamento do Espaço Marítimo através da aposta no conhecimento e na cooperação transfronteiriça



O que é?

O projeto MarSP pretende desenvolver ações concretas para os Estados-Membros, Portugal e Espanha, desenvolverem capacidades e ferramentas necessárias para concretizar ou aprimorar a aplicação a Diretiva Europeia para o Ordenamento do Espaço Marítimo (OEM) na região da Macaronésia, incluindo mecanismos de cooperação transfronteiriça.



I Madeira Workshop



O que se pretende?

- Fazer com que todas as Regiões da Macaronésia cumpram com a Diretiva 2014/89/EU, que estabelece um quadro para o Ordenamento do Espaço Marítimo (OEM);
- Estabelecer mecanismos de cooperação transfronteiriça garantindo que os planos de ordenamento do território marítimo sejam coerentes e coordenados;
- Aplicar a Diretiva INSPIRE que almeja promover a interoperabilidade e partilha de dados geoespaciais entre os Estados-Membros;
- Reforçar a posição geoestratégica e económica das Regiões da Macaronésia;
- Estipular mecanismos que visem o crescimento das atividades consideradas pelo *Crescimento Azul* (turismo, biotecnologia, investigação científica, entre outros)

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O que se pretende?

- Acautelar ou minimizar os impactes causados pelas atividades consideradas ameaçadoras (mineração em alto mar, perfuração, prospeção de recursos);
- Assegurar o Bom Estado Ambiental (BEA);
- Apostar no conhecimento e em novas metodologias para aferição de áreas com aptidão para usos e atividades futuras;
- **Pensar numa futura revisão do Plano de Situação do Ordenamento do Espaço Marítimo;**
- Seduzir novos intervenientes para o processo de revisão do PSOEM regional
- Aplicar um quadro para um processo de decisão ainda mais envolvente e fundamentado.

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Como será desenvolvido?

DURAÇÃO: 24 meses (01/01/2018)

ORÇAMENTO TOTAL: 2 163 880.8 €

COORDENAÇÃO: FRCT - Fundo Regional para a Ciência e Tecnologia (Açores – Portugal)

CONSORTIUM: 9 parceiros de Portugal e Espanha:

FRCT: Fundo Regional para a Ciência e Tecnologia
DRAM: Direção Regional dos Assuntos do Mar
SRA-DROTA: Direção Regional de Ordenamento do Território
DGRM: Direção Geral de Recursos Naturais
DGRP: Direção Geral de Política do Mar
IEO: Instituto Español de Oceanografía
US: University of Seville
UCA: Universidad de Cádiz
ULPGC: Universidad de Las Palmas de Gran Canaria

ATIVIDADES: 7 Workpackages

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Como será desenvolvido?

WP1. Coordenação e Gestão

WP2. Mapeamento das condições atuais e estabelecimento de uma visão conjunta para a aplicação do OEM na Macaronésia

WP3. Definição de Usos e atividades potenciais atendendo a prováveis conflitos e constrangimentos e assegurando o BEA

WP4. Desenvolvimento dos processos de OEM

WP5. Plataforma de OEM

WP6. Cooperação transfronteiriça na Macaronésia

WP7. Comunicação e Disseminação

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WP3. Definição de Usos e atividades potenciais atendendo a prováveis conflitos e constrangimentos e assegurando o BEA

Este WP pretende, identificar usos ou atividades potenciais no espaço marítimo da Macaronésia, através da aposta no conhecimento nas seguintes áreas:

1. **Características biofísicas** - A coleta de novos dados fornecerá informação sobre as áreas marinhas com importância para a conservação aprofundar o conhecimento sobre a compatibilidade dos ecossistemas com as atividades humanas.
2. **Prospecção e monitorização dos fundos marinhos** - Em áreas com pressões humanas mais elevadas, em especial onde existe extração de inertes.

Estas duas tarefas irão permitir-nos **delimitar novas áreas para atividades ou usos** e simultaneamente, **monitorizar** as que já foram selecionadas. Caso haja, neste estudo, alguma atividade que coloque em causa o **bom estado ambiental** das águas ou coloque em causa alguma **espécie ou habitat**, pode ser deslocalizada ou em último caso, eliminada.

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WP3. Definição de Usos e atividades potenciais atendendo a prováveis conflitos e constrangimentos e assegurando o BEA

No âmbito do WP3 foram delimitadas as seguintes 4 áreas de interesse:

Área A – Anjos

Área B - Ponta do Pargo

Área C – Seixal

Área D - NE do Porto Santo



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WP5. Plataforma: “Sistema Centralizado de Gestão do OEM da RAM”

Enquadramento:

- A Diretiva 2014/89/EU, transposta para a legislação nacional com a publicação da Lei 17/2014 e consequente Decreto-Lei 38/2015, veiculam a necessidade de associação com a Diretiva 2007/2/CE de forma a garantir que os planos de ordenamento são estabelecidos com base nos melhores dados e informações disponíveis;
- Necessidade de contemplação da decretada obrigação de disponibilização de dados em formatos abertos, de forma gratuita e acessível ao público através de serviços de pesquisa, visualização e descarregamento;
- A efetiva cooperação transfronteiriça requer a constituição de uma plataforma geoespacial, de abrangência Europeia e norteada pelos princípios da Diretiva INSPIRE que almeja promover a interoperabilidade e partilha de dados entre os Estados-Membros.

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WP5. Plataforma: “Sistema Centralizado de Gestão do OEM da RAM”

Contents lists available at ScienceDirect

Ocean and Coastal Management

journal homepage: www.elsevier.com/locate/oceaman

Maritime spatial planning supported by infrastructure for spatial information in Europe (INSPIRE)

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^bGeography University, Laboratory of Geographical System and Remote Sensing, Democritus University, 4, 13100 PA, Wroclaw, The Netherlands
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^dEuropean Environment Agency, Copenhagen, Denmark
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ARTICLE INFO

Keywords: Maritime spatial planning; Marine spatial planning; INSPIRE; Spatial data infrastructure; Data model; Data availability; Empowering

ABSTRACT

The implementation of Directive 2007/2/EC - INSPIRE can improve and act management and data infrastructures needed for setting up Maritime Spatial Plan for this reason from these parallel analyses: links between the MSP Framework aims and implementation; the availability of marine and maritime data through the adequacy of using an INSPIRE data model for mapping maritime spatial INSPIRE as a relevant instrument not only for data collection, but additionally a MSP processes, using already operational national and European data infrastructure availability analysis highlights a significant difference in data sharing within the INSPIRE data model is adequate for mapping maritime activities and for planning in an overview of ocean basins planning for a given sea region.

Please check Appendix 2 for definitions of the terminology used.

1. Introduction

Ancient sea maps have been traditionally populated by giant sea monsters the watery element, to sail on. Illustrations are approved on maps, but drawings of ships indicated areas of safe passage pointed to good fishing areas (mystery was now gone and the sea was by

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Marine Strategy Framework Directive (MSFD)
Common Implementation Strategy
6th meeting of the Technical Group on Marine Data (TG DATA)

1300-1730, 12 February 2018
 DG Environment, Room C, Avenue de Beaulieu 5, B-1160 Brussels

0900-1700, 13 February 2018
 Conference Centre Albert Borschette, Room 1A, Rue Froissart 36, B-1040 Brussels

Index Item: 3
 Document: DATA_6-2018-02
 Title: **DRAFT Recommendations for the publication of datasets under MSFD Article 19(1) V2**
 Prepared by: IEA, ETO/ECM, Biomática, DG ENV, IRC
 Date prepared: 11/01/2018
 Background: This document has been prepared as a request from TG-DATA to give support and guidance to Member States in the implementation of Article 19(1), in regards of the 2018 reporting obligation. The present version has been prepared with the feedback received on version 1 (DATA_5-2017-02) from Germany, Spain, France and HELCOM.

DATA is invited to:

a. Review and further develop the draft recommendations



WP5. Plataforma: “Sistema Centralizado de Gestão do OEM da RAM”

Objetivos Gerais:

- Capacitar as entidades regionais com intervenção nos oceanos de valências técnicas e tecnológicas para responder aos desafios das Diretivas 2007/2/EC, 2008/56/CE e 2014/89/EU;
- Incentivar e incrementar a utilização de sistemas informação geográfica (SIG) ao nível da administração regional interveniente no processo de OEM;
- Dotar a região de um SGBD, IDE e Geoportal colaborativos e dedicados aos oceanos que contribuirão para um alargamento do conhecimento;
- Assegurar a interação com o Geoportal Nacional do PSOEM (DGRM);
- Permitir mecanismos de interação simples entre as partes interessadas e as entidades públicas;
- Facilitar a consulta pública e incrementar a participação nos processos de OEM;
- Garantir a total interoperabilidade dos dados e dar uma valiosa colaboração para aumentar os níveis de execução regional da Diretiva INSPIRE;

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WP5. Plataforma: “Sistema Centralizado de Gestão do OEM da RAM”

Componentes Tecnológicas:

- Cliente SIG Desktop (Software de processamento análise);
- Repositório Central de Dados (SGBD);
- Ferramenta de transformação (Harmonização de CDG);
- Servidor de Mapas (Serviços);
- Sistema de Gestão de Conteúdos (Catálogo);
- WebSIG (Visualizador Geográfico).

Capacitação Técnica:

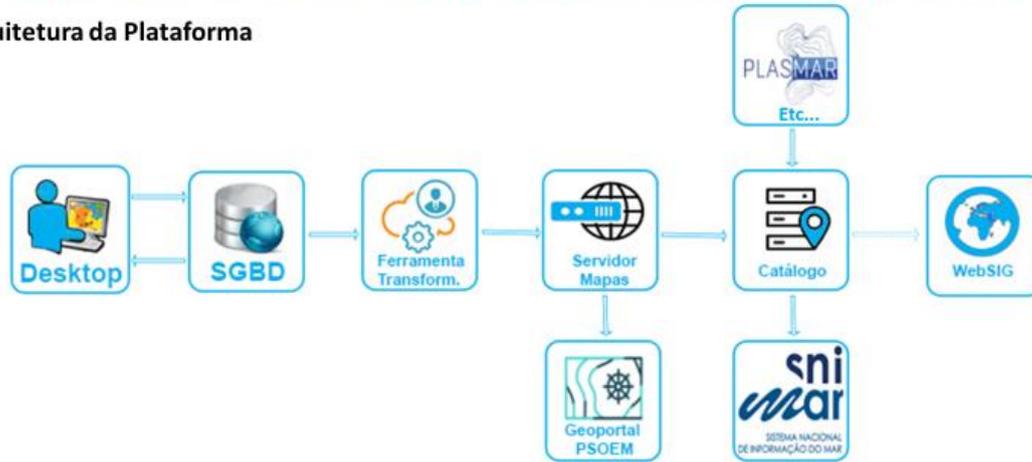
- Preenchimento de lacunas no âmbito dos SIG;
- Uniformização de fluxos de trabalho nas entidades regionais.

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WP5. Plataforma: “Sistema Centralizado de Gestão do OEM da RAM”

Arquitetura da Plataforma



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Data de lançamento: Junho de 2019



Aceitam fazer parte do desafio?

Muito Obrigado

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Third presentation



Secretaria Regional
do Ambiente e Recursos Naturais

Reunião MarSP
26 março 2018 | Funchal



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COMISSÃO REGIONAL DO AÇORES
DO AMBIENTE E RECURSOS NATURAIS

