

MISTIC'SEAS MACARONESIA ISLANDS STANDARD INDICATORS AND CRITERIA: REACHING COMMON GROUNDS ON MONITORING MARINE BIODIVERSITY IN MACARONESIA

www.mistic-seas.com

Mistic Seas Consortium

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Coordinated by:

Partners:















Supported by the:

European Commission

Grant Agreement No. 11.0661/2015/712629/SUB/ENVC.2





Directive 2008/56/EC - MSFD

Relevant Art.

- Art. 4 Macaronesia: Azores (PT), Madeira (PT), Canaries (ES);
 - Art. 5 Neighbouring Member States need to cooperate to ensure coherence and coordination between Marine Strategies at sub regional and regional level;
- Art. 6 Regional cooperation;

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- Art. 8 Environmental evaluation;
- Art. 9 Definition of Good Environmental Status (GES);
- Art. 10 Environmental targets;
- Art. 11 Monitoring programs;
 - Art. 12 Evaluation by the Commission the EC Art. 12 report did not examine the adequacy, coherence and consistency of the Canary Islands, Madeira and Azores reports, due to the mismatch in delivery among countries.

GRANT APPLICATION FORM FOR 'DG ENV/MSFD Action Plans/2014'

(Multibeneficiary)

"BEST PRACTICES FOR ACTION PLANS TO DEVELOP INTEGRATED, REGIONAL MONITORING PROGRAMMES, COORDINATED PROGRAMMES OF MEASURES AND ADDRESSING DATA AND KNOWLEDGE GAPS IN COASTAL AND MARINE WATERS"

<u>Original</u>

Acronym: MISTIC´SEAS Macaronesia Islands Standard Indicators and Criteria: Reaching Common Grounds on Monitoring Marine Biodiversity in Macaronesia



CHARACTERISTICS OF MACARONESIA AND THE THREE ARCHIPELAGOS

MISTIC SEAS

MACARONESIA

The Macaronesian sub-region is one of the four sub-regions included in the marine region of the North East Atlantic Ocean, as referred to in the Article 4 of the Directive 2008/56/EC of the European Parliament and of the Council of 17 June 2008, establishing a framework for community action in the field of marine environmental policy (Marine Strategy Framework Directive, MSFD).

Macaronesia consists on the waters surrounding the Azores, Madeira, the Canary Islands and Cape Verde. This subregion is one of the most extensive biogeographical regions of the European seas however it is one of the least studied. The project is developed in the Macaronesian waters under the jurisdiction of Portugal and Spain.



AIM OF THE PROJECT

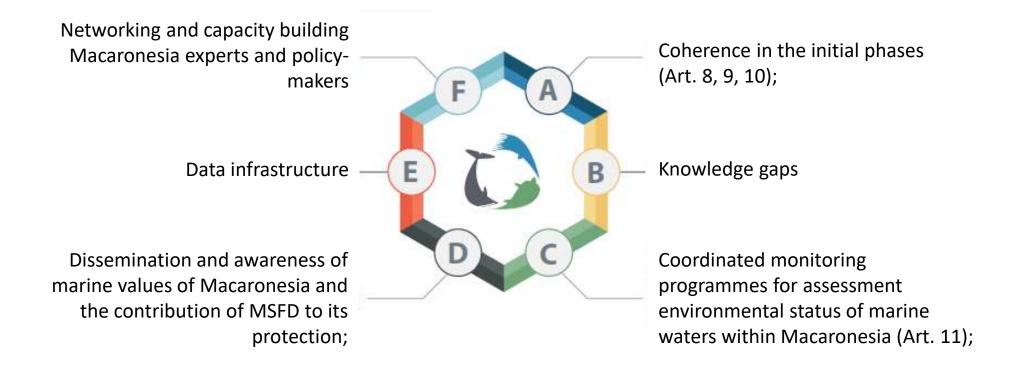
The purpose of the MISTIC SEAS project is designing a common methodology for monitoring the marine biodiversity in the Macaronesian region, one of the territories with the greatest biodiversity in Europe. The project focuses on the populations of marine cetaceans, turtles and seabirds. Its aim is to establish a common roadmap to improve coordination in the implementation of the Marine Strategy Framework Directive in Portugal and Spain (the Azores, Madeira and the Canary Islands).



To establish a common **roadmap** for ensuring the **coordination for MSFD implementation** by Spain and Portugal, through the Governments of Spain, for Canaries, and the Governments of the Azores and Madeira **in the Macaronesia sub-region**



Specific objectives



Initial assessments; comparisons; methods to define GES; ES assessment; standardized GES criteria; environmental targets; common measures; common monitoring programs; knowledge gaps; public awareness; sharing and reporting data; networking and capacity building



Kick-off Meeting

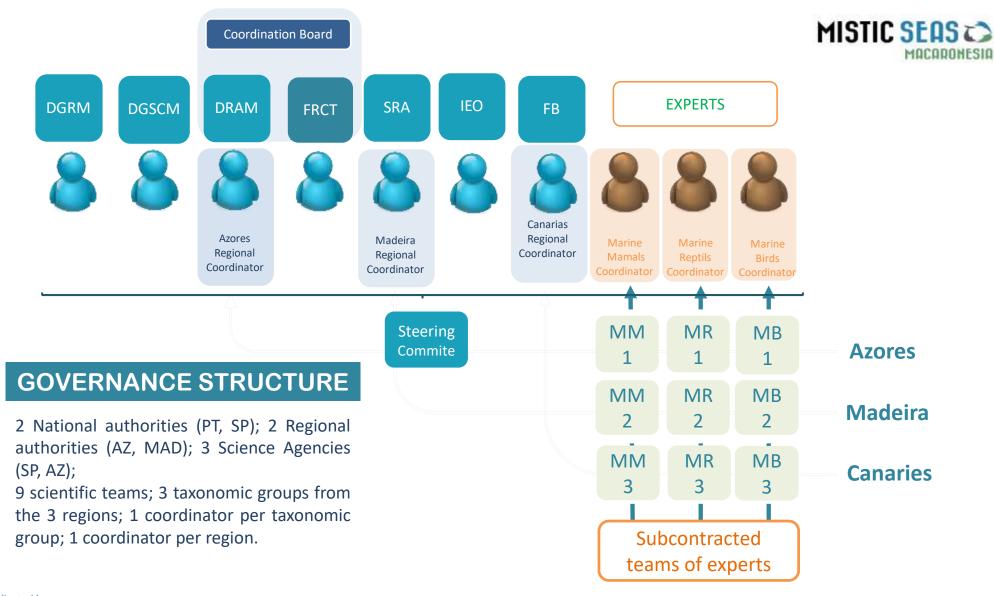
Lisbon 14-15 December

MISTIC'SEAS structure

- WP 1 Review of initial assessment, including knowledge gaps, GES definition and environmental targets of the Macaronesia Archipelagos initial reports
- WP 2 Common MSFD monitoring strategy to cetaceans, turtles and birds, applied to the MSFD D 1 throughout Macaronesia
- **WP 3** Testing common monitoring methodologies
- WP 4 Towards a common infrastructure on Data Management & Sharing
- WP 5 Action Plan
- WP 6 Dissemination & Networking
- WP 7 Coordination & Management



• Third Technical Workshop of the MISTIC SEAS Project at 21 of June, Museu da Baleia, Machico (Madeira).



Coordinated by:

Partners:

Região Autónoma

da Madeira

Courses Region.



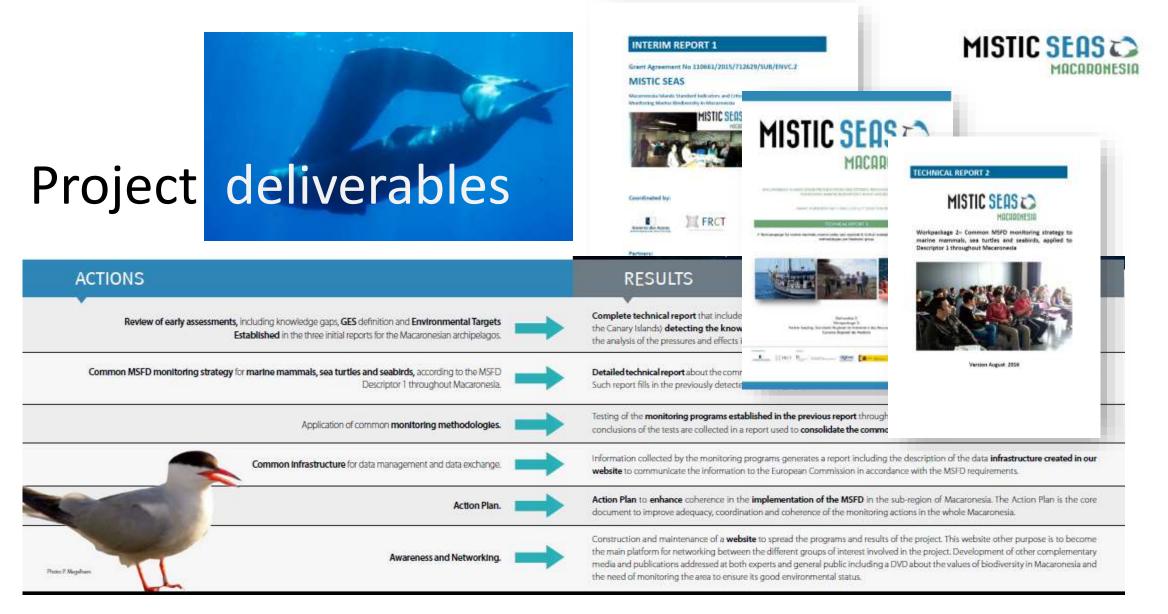


Secretaria Regional do Ambiente e Recursos Naturais





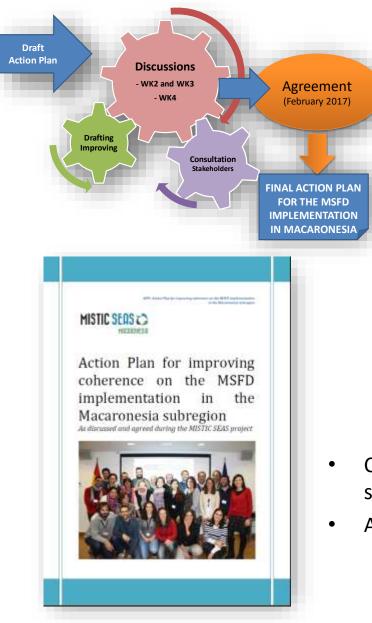




2 Meetings; 4 workshops; 1 Field Trip; 3 Communication events;

5 Technical Reports; 2 Interim Reports; 1 Action Plan; 1 Dissemination Publication; 1 Promotional Video; 1 Final Report





THE ACTION PLAN



- Commitment among authorities, to further work on improving coherence and strengthen coordination on the MSFD implementation in Macaronesia.
- A policy document designed with scientific and technical knowledge.

SMART: Specific, Measurable, Attainable, Realistic, Time-based

MISTIC SEAS MACARONESIA MISTIC SEASED HOCODOHESIO HISTIC SERSED QUE BENEFÍCIO E QUE VAI TER O PROJETO A LONGO PI GUIA DE BOAS PRÁTICAS EM CIÊNCIA CIDADA CARACTERÍSTICAS DA MACARONESIA E DOS TRES Todas as ações malitadas durante o projeto e as conchaños obtição delas, resultam na elaboração ARCHIPELAGOS de Ação, no qual são estabelecidos os passos e indicações pora a methoria na implementação da D aplicação, podem ser previstos o enumerados claros bieneficios: A subregilo macannelsica é uma das quarto subregiles inclusion na miglio maricha da Adlantico Nordente, de actorido toom o artigo 4 de Direttiva 2008/36/CE do Parlamentos l'unopou e do Conselho de 17 de junho de 3009, pela qual se. antabefece un quadro de ação comunitária para a política do moto marinho (Otentiva Quadro odere a Totoatigia Marinha, MISTIC SEAS DMINE. A Macaronésia é competite pelas águas que indetam os Acores, a Madeira, as Ehas Canárias o Cobo Vindel Trata-se de una das regiões biogeográficas mais estemas dos mares europeus, e também uma sobre as que menos informação restate. O projeto é desenvolvido nas tiguas macaronésicas sob COR MACARONESIA juristiple de Portugal e Ligarita. "INDICADORES E CRITÉRIOS STANDARO PARA AS ILHAS DA MACARONÉSIA: PARA O ESTABLIECIMENTO DE MOTIVAÇÃO DO PROJETO UWAS BASES COMUNS HARA O ACOMPANIHAMENTO DA BIODIVERSIDADE MARINHA NA MACARONESIA" O projeto MISTIC SEAS tem per objetivo deumhar uma metodologia com marinha na regilio da Macaronésia, uma das áries com maior biodiversi espécies de cetáceos, tartanugas e aves marinhas, e estabelecer una folh na aplicação da Diretiva Quadro da Estratégia Marinha em Portugal e Es O projeto, cofinanciado pela Comisião Europeia, e que está a ser exercat 2017, está coordinado pelo Fundo Regional para a Olincia e a Tecnolog parcilitos com a Directio Regional dos Assuntos do Mar (Soverno Regional o Recursos Naturais (Governo Regional da Madeira), a Direção Geral de Recur MACARONES Governo de Portugal, o Ministerio da Agricultura y Pesca, Alimentación y M General de Sustersabilidad de la Costa y del Mar, a Fundación Biodiversidad INCOMPANY. CANGEREAS SPECIM srijstico C KINT CHARTEN Name Carller's State

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Citizens' involvement is essential for a project as MISTIC SEAS to be carried out and for the Good Environmental Status of different spaces to be kept in the future.

Research and actions undertaken in the framework of the project have drawn positive results and conclusions, showing its efficiency and utility in the preservation of the Macaronesian biodiversity and especially the native marine mammals, sea turtles and seabirds.

According to such conclusions, here it is the GUIDE TO GOOD PRACTICE IN CITIZEN SCIENCE whose purpose is to share publicly simple and practical measures that everyone can adopt to improve and learn how to do their best facing the different environmental situations.

Read the further information for each species and archipelago as follows:







 The Action Plan itself, as a core document, to enhance the adequacy, coordination and coherence of the monitoring actions in the whole Macaronesia.

 The founding of common methodologies for monitoring the marine biodiversity in the Macaronesia, which will increase the vigilance of shared populations of marine cetaceans, turtles and seabirds in the archipelagos.

 The improvement on the coordination and application of the Marine Strategy Framework Directive in Portugal and Spain (the Azores, Madeira and the Canary Islands).

 The refinement of the information about the target species collected that will relieve the pressures and effects in all the region and will adjust both the defined environmental targets and the measures taken to reach or keep the Good Environmental Status (GES).

• The creation of networks between associates and other groups interested in the implementation of the MSFD.

 The increase of public knowledge and awareness of the natural value of biodiversity of the Macaronesian region, having the MISTIC SEAS project website as a reference point.

MISTIC SEAS

WHICH ARE THE LONG-TERM **BENEFITS** OF THE PROJECT?

The actions developed during the project and the conclusions obtained make up an Action Plan. This **Action Plan** establishes the standards and guidelines to improve the implementation of the MSFD. The application of the Plan brings along several clear benefits.

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"STANGARD INDICATORS AND CRITERIA FOR THE ISLANDS OF WACARONESIA: ELACHING COMMON RASIS FOR MUNITURING WARINE REDOVERSITY IN MACARONESIA"







RISSO'S DOLPHIN ______ Grampus Griseus Azores "Macaronesia Islands Standard Indicators and Criteria: Reaching Common Grounds on Monitoring Marine biodiversity in Macaronesia"





 Programme:
 Best Practices for Action Plans to develop integrated Regional

 Monitoring Programmes, coordinate programmes of measures, and

 addressing data, and Knowledge gaps in coastal and marine waters

 Instrument:
 DG ENV/MSFD Action Plans/2014

 Action:
 Agreement No. 11.0661/2015/712629/SUB/ENVC.2

 Budget:
 € 649.750

 Duration:
 December 2015 - 2016

 Coordinator:
 FRCT

 Consortium:
 DGRM, DRAM, FRCT, SRA
 DGSCM-MAGRAMA, FBIO, IEO













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