Integrated Marine and Coastal Management – PT02

Outcome#4 - Increased awareness of and education in integrated marine water management

2nd Call Title: Small Grant Scheme - Public Awareness

Final Result

<table>
<thead>
<tr>
<th>Project Code</th>
<th>Title</th>
<th>Project Promoter</th>
<th>Partners</th>
<th>Donor partner</th>
<th>Total cost</th>
<th>3º EEA Grant Cost</th>
<th>EEA Grant</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT02_2ºRPS_0024</td>
<td>My Observatory from Rivers to Ocean – MyO_R2O</td>
<td>APAPEL – ASSOCIAÇÃO PORTUGUESA DE EDUCAÇÃO AMBIENTAL</td>
<td>Laboratório Nacional de Engenharia Civil</td>
<td></td>
<td>17.932 €</td>
<td>15.243 €</td>
<td>My Observatory from Rivers to Ocean is a project aimed at the promotion of ocean literacy and environmental education, involving the educational community in the promotion of knowledge about the oceans. Through a set of ocean literacy promotion activities, we will connect schools from the interior of the country with schools from the coast, which are unable by a river, motivating the exchange of knowledge and insights into the marine environment. Although predominantly aimed at students of the 3rd cycle and secondary school age group (12 to 17), it is integrated with the general population, aiming to promote awareness and education of the principles of ocean literacy and the guidelines of the National Ocean Strategy 2030. It is intended that the young people involved use HELGE applications, in and out of the school environment, to develop monitoring activities, perception and reflection on the marine environment, enabling their communities to marine environment preservation, and encouraging them at the same time to seek new and innovative solutions to the identified problems.</td>
<td></td>
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<tr>
<td>PT02_2ºRPS_0019</td>
<td>&quot;Cabeços Trofaicos: Marinhos – Conheça a Comunidade&quot;</td>
<td>CMIMAR – Centro Interdisciplinar de Investigação Marinha e Ambiental</td>
<td>Câmara Municipal do Porto, Agua da Porto</td>
<td></td>
<td>16.990 €</td>
<td>14.442 €</td>
<td>Use of the HELGE (Marine Strategy Framework Directive) GES (Good Environmental Status) descriptors states that the balance of marine and coastal ecosystems is directly linked to the maintenance of their food webs. Therefore, this application identifies a number of concepts and processes inherent to the subject of trophic relationships that are important to disclose in order to implement Ocean Literacy, for its recovery and consequent sustainability of its resources, crucial for the maintenance of marine waters’ GES. This project aims to attain 2000 new views of the Ocean literacy site and realize six awareness initiatives for students of different levels of education and the general public, including guided construction of original science communication products and statements, leading to the implementation of preservation and maintenance of marine food chains ecosystems best practices.</td>
<td></td>
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<tr>
<td>PT02_2ºRPS_0017</td>
<td>Beleza dos Descobrimentos</td>
<td>Instituto de Educação da Universidade de Lisboa</td>
<td>Faculdade de Ciências da Universidade de Lisboa, Câmara Municipal do Porto</td>
<td></td>
<td>18.580 €</td>
<td>15.783 €</td>
<td>With this project we intend to set in terms of identity resources, heritage and cultural education related to marine-exploration from the city of Lisbon, with the maritime exploration explorations associated with the &quot;Portuguese Discoveries&quot;. It is proposed the creation of a Discovery guide, involving a set of &quot;exploration stations&quot; throughout the city of Lisbon, related to the city in the discoveries epoch, with boats, navigation instruments, culture crossovers and leadership of the oceans navigated (principle 5 and 6 of the ocean literacy). This itinerary includes different spaces within the city: monuments and places associated with the discoveries and meeting of cultures (Trindade House Foundation); institutions of maritime science (Navy Museum, Vasco da Gama Aquarium, Planetarium). This guide will be created in digital format for mobile technologies and is designed for the school community.</td>
<td></td>
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<tr>
<td>PT02_2ºRPS_0046</td>
<td>Mar de Plástico</td>
<td>CMIMAR – Centro Interdisciplinar de Investigação Marinha e Ambiental</td>
<td></td>
<td></td>
<td>18.405 €</td>
<td>15.444 €</td>
<td>Marine litter is one of the Good Environmental Status descriptors (GES) recommended in the HELGE, being a problem of large proportion and little known by society. This project intends to carry out 8 initiatives aimed at involving students and populations to the problem of plastic and microplastic in the ocean, and to promote critical thinking and responsible citizenship on the importance of maintaining GES through different educational approaches, combining the exploration of science and art as tools to approach environmental issues. Different initiatives include scientific lectures and experimental activities, field trips, production of artistic objects with plastic collected on the beach and its display on the school commune, the development and presentation of a show, the production of large size sculptures of recycled plastic for display of public art, the translation of two animated videos and the creation of a life size game. This project has the participation of Basic and Secondary Education schools of the Porto Metropolitan Area and plans to develop about 50 awareness initiatives, involving more than 1,000 young people and encouraging about 3000 visits to the Ocean literacy website.</td>
<td></td>
</tr>
<tr>
<td>PT02_2ºRPS_0008</td>
<td>A onda da Nazaré: Descobrimentos Ocean - MyO_R2O</td>
<td>Faculdade de Ciências da Universidade de Lisboa</td>
<td></td>
<td></td>
<td>18.461 €</td>
<td>15.304 €</td>
<td>The Oceans are a European goal that can only be reached with the involvement of the whole society, and, in particular, young people. The purpose of this project is to promote Ocean Literacy, using media that captures the attention of school-age audiences for the importance of marine resources and ecosystems sustainable management. This project will promote scientific curiosity about issues related to the oceans through the use of a media subject - the Wave of Nazareth - to address woa’s physical processes. These processes will be illustrated using the scientific production of animated short film which will be supported by a film narrative and participated by the students. The main project beneficiaries are schoolchildren, particularly secondary school students. Communication via animated short films will also be disseminated to society as a whole.</td>
<td></td>
</tr>
</tbody>
</table>
The protection of the Ocean is a global and essential priority especially for Portugal, a country with a long coastline and a significant Exclusive Economic Zone. This protection can only be achieved by the increase of scientific knowledge about the Ocean and through the integrated discussion of its influence on Man, the influence of Man in the Ocean, and through initiatives with the Marine Strategy Framework Directive and in Good Environmental Status descriptors (GES). The project proposes the creation of a specific laboratory (the OceanLab) to receive young people, their teachers and families in CIIMAR, leading them on a holistic approach to Ocean Literacy through a program dedicated to carrying out a series of hands-on scientific experiments. These young people can put into practice, in a laboratory setting, experiences about the principles related to Ocean literacy, its integrated management and maintenance of GES. Access to the OceanLab by the children will be done by visiting their schools, through holiday activities for young and / or Open Days organized for the general public. The support for OceanLab shall be the “The CIIMAR in School” (http://www.ciimar.up.pt/oCIIMARnaEscola/) and the Science Blog (https://lemicrossecos.wordpress.com/) respectively associated this program. It will thus benefit from the implementation this program already has in the school community, and it will promote the students contribution for CIIMAR Science Blog articles, by using experiences that take place in the OceanLab.

The “MIA - revealing the Water Invisible World” project proposes to increase ocean literacy, addressing the ecology of phytoplankton (key of the aquatic food chain) and their vulnerability to climate change and pollution on marine / coastal systems. The microalgae being are easily forgotten in awareness raising, although essential for understanding the ecological dynamics of aquatic systems. The main target audience includes children from pre-primary, primary and secondary in the region, although actions to society in general are also provided. A fitting community for the Murtosa municipality will serve as a case study, replicable to other municipalities with similar characteristics. The intention of this project is to integrate arts in environmental education activities, while exploring the senses as a stimulus to emotional intelligence and thus attempt the emotional assimilation of the scientific / environmental message by the citizens, ensuring a more effective awareness of the active population now and in the future (through children). Various promotional activities will take place in the OceanLab.

The intention of this project is to integrate arts in environmental education activities, while exploring the senses as a stimulus to emotional intelligence and thus attempt the emotional assimilation of the scientific / environmental message by the citizens, ensuring a more effective awareness of the active population now and in the future (through children). Various promotional activities will take place in the OceanLab.

The “Skeleton Sea Seedlings” aims to turn trash into art! and with this promote the message “Keep the Oceans Clean!”, through interactive activities that will change daily habits and inspire communities, schools and families to take pride in their natural resource. In partnership with a local group of schools related to the sea and coastline, the project will develop art-based environmental education activities with children aged 7-10, turning future citizens into skilled social scientists by teaching them to message the need for change in a way that appeals to hearts and minds. Developing artists are creating the "Mothers of the Sea" by helping save Ocean awareness and build community support for the adoption of more sustainable behavior. The artist reminds us of what happens to waste, in a exercise of citizenship that takes awareness of environmental issues and enables participants to find suitable materials for recycled art creation. VIDEO LINK: https://www.youtube.com/watch?v=bbH4hCRQ8WY

**Skeleton Sea Seedlings**

Alexander Michael Alexandre

Agrupamento de Escolas - António Benevides Branco

18.256 € 18.256 € 15.517 €

10º 8º 21-08-2015

The “Concurso Chef Fish” aims to promote the consumption of fish through the development of an educational project that takes place in collaboration with a local fishery community. The intention of this project is to integrate arts in environmental education activities, while exploring the senses as a stimulus to emotional intelligence and thus attempt the emotional assimilation of the scientific / environmental message by the citizens, ensuring a more effective awareness of the active population now and in the future (through children). Various promotional activities will result from the project: site + book + CD + animation.

**Concurso Chef Fish**

ASPA - Associação Portuguesa da Água (Mundo Invisível - saving the invisible Water World)

11.063 € 11.063 € 9.404 €

10.155 €

DECO, with the implementation of ChefFish Contest aims to overcome the barriers to Good Environmental Status (GES) of the Marine and Coastal Waters, namely the lack of ocean literacy and sustainable fish consumption associated information. ChefFish Contest is open to schoolchildren, from schools across the country, from the 1st cycle to the secondary / vocational education. The competition encourages students to develop original recipes from a sustainable source and respecting marine resources (strategy used to teach students to collect and acquire skills, attitudes and Ocean Literacy knowledge). The production of at least 50 recipes is expected, by teams of three students, accompanied by their teachers (50 students and 50 teachers) and involving their families (2 elements per household x 150 students = 300 adults). To participate in the contest, students will have to consult the Regulation and the Event (with information about Ocean Literacy), available in a specific area in the DECO's website. More than 20,000 views of this area are expected.

**Concurso Chef Fish**

Cocinero - Sócios Infocam, Lda

Monitor de Educação Ambiental, Lda

12.614 € 11.947 € 10.155 €

The connection to the sea has always been present in Portugal but some activities are losing space, often to make room for others that are not sustainable for the environment and for local communities. Ocean literacy awareness in the young population is critical and the aim of the project and goes towards what is expected in the National Ocean Strategy 2015-2020 and the Strategic Plan for Education (2011-2020). This awareness promotion will be done through the making of an ebook that tells the story of an animated character who will save the oceans. The target set is to response to the program’s objectives will be possible to achieve through the innovative nature of the project, its high reach nationwide and its high penetration capacity. The partnerships is essential for greater scientific rigor of content, created for students from the 1st to the 3rd extracurricular cycle.

**Cozinha ao Ar Livre**

MIA - Revealing the Water Invisible World

18.412 € 18.412 € 15.650 €

The “MIA - revealing the Water Invisible World” project proposes to increase ocean literacy, addressing the ecology of phytoplankton (key of the aquatic food chain) and their vulnerability to climate change and pollution on marine / coastal systems. The microalgae being are easily forgotten in awareness raising, although essential for understanding the ecological dynamics of aquatic systems. The main target audience includes children from pre-primary, primary and secondary in the region, although actions to society in general are also provided. A fitting community for the Murtosa municipality will serve as a case study, replicable to other municipalities with similar characteristics. The intention of this project is to integrate arts in environmental education activities, while exploring the senses as a stimulus to emotional intelligence and thus attempt the emotional assimilation of the scientific / environmental message by the citizens, ensuring a more effective awareness of the active population now and in the future (through children). Various promotional materials will result from the project: site + book + CD + animation.

**Electric Fish**

ÁGORA - Associação Portuguesa de Educação Ambiental

18.176 € 18.176 € 15.650 €
**PT02_2ºRPS_0030**

**Bando desmentido, salvado os Oceanos**

Formulário Verde - Comunicação, Formação e Gestão de Contenidos, Lda.

19.034€ | 19.034€ | 15.792€

This project aims to develop a comic book based on the seven principles considering the knowledge of the Oceans and defined by the United States of America scientific community. In this context there will be a contest with the selected school groups to choose the argument that will support the comic. This project will be attended by Portuguese artists and an international artist, contributing to the strengthening of bilateral relations. Thus, the project aims to raise awareness on the importance of the oceans at various levels, encouraging its presentation through an artistic and creative concept. The target audience of this initiative will be inclusive, from the younger ones, especially school community, to which it is directed, to the general population. So as a result of the project it is expected the publication of a book in English, Graphical, and if possible in Iberian, available in print and digital version.

4.153 | 11º | Selected | 11-09-2015

**PT02_2ºRPS_0046**

**Peixe à Peixe – Repastes pela Literaciao do MAR**

Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa

16.134€ | 15.982€ | 12.584€

Studies in the Setubal region identified a low literacy level from the local community who have been aware from the fishing and seafood knowledge traditions. This project aims to fill this gap by promoting multigenerational activities involving young reporters for the sea literacy. The target is to use young people (students of 3rd cycle of basic education and secondary education) as a communication vehicle for sea literacy, empowering them through networking with the fishing community and media, in order to reach the general public increasing their awareness and knowledge on fishing and the sea. Additionally, it is planned to consolidate this project with continuity purpose. This project aims to project itself on a wider audience by building knowledge conveyed in the forms of journalistic news, in particular Fishing Gear Sustainability, Biodiversity Assessment, Marine litter; Arts as a cultural value, The future of Fishing.

4.153 | 12º | Selected | 11-09-2015

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**PT02_2ºRPS_0034**

**Que peixe comer?**

Liga para a Protecção da Natureza

18.409€ | 18.409€ | 15.648€

This project aims to contribute to the increase of Ocean literacy. It is intended to instil in the school public awareness of the importance of implementing sustainable fish consumption choices in order to contribute to the reduction of human impacts on marine ecosystems, and encourage the school community to promote environmental awareness-rising in the local community. To strengthen the effectiveness of the actions envisaged for this project, we established a collaboration with the project team "Miu do Mar", with extensive experience in Ocean literacy. The project will be directed to the 3rd cycle of Basic Education and secondary schools (Grouping Michel Gemmeaux) (Quinta do Conde, Setubal).

Among the actions planned are: field trips to the fish market and fishing port, fish recipes contest, page creation on landscape and creating environmental awareness activities. The developed content will be published on the LPPS "What to Do To Eat."

4.130 | 10º | Not selected for funding (financial allocation not available) | Not selected for funding (financial allocation not available) | Not selected for funding (financial allocation not available)

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**PT02_2ºRPS_0006**

**A nota da Cagoleira**

NAPA - Observatório do Mar dos Açores, Direção Regional de Recursos do Mar, Direção Regional do Açores, ESCOLA SECUNDÁRIA HIGIENE E SAÚDE, ART - Associação Regional de Turismo Turismo dos Açores

19.620€ | 19.620€ | 15.792€

The project “Note da Cagoleira” intends to ensure sustainable development of the practice of bird watching and contribute considerably to a better understanding of the marine ornithological world of the Azores through concrete tools and actions. The project covers three main areas: i) Educational Resources and Recreational Pedagogical activities, ii) interpretative itineraries for the development of ornithological knowledge. By doing it, the aim is to develop a non-formal educational tool to train students in the field of ornithological knowledge. The project aims to reach a large number of local and regional partners, the project aims to reach as many interested people and get to know as much about the species represented in the Azores, especially Cory’s Shearwater (Stel. Calaneus bournelli). The project specific activities will be carried out closely to the public, especially youth. In order to inform, sensitize and educate on marine biodiversity.

3.940 | 14º | Not selected for funding (financial allocation not available) | Not selected for funding (financial allocation not available) | Not selected for funding (financial allocation not available)

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**PT02_2ºRPS_0009**

**Oceano com tessou a preservar**

Formulário Verde - Comunicação, Formação e Gestão de Contenidos, Lda.

21.672€ | 21.672€ | 15.792€

This project aims to promote the production of a documentary on sustainable fisheries, giving emphasis to the role of consumers, politicians and fishing communities makers, and the importations of fish stocks in Portugal and extending, displaying some of the good practices adopted in Iceland. This subject arises from global fish consumption statistics: - Portugal being the 3rd largest consumer, and Iceland the 1st, and thus the need to raise awareness for sustainable fisheries, while respecting the renewal of the species and prevent their extinction. Focusing on the search for increased ocean literacy. The documentary will serve as a basis for the development of awareness and knowledge on fishing and the sea. Additionally, it is planned to consolidate this project with continuity purpose. This project aims to project itself on a wider audience by building knowledge conveyed in the forms of journalistic news, in particular Fishing Gear Sustainability, Biodiversity Assessment, Marine litter; Arts as a cultural value, The future of Fishing.

3.880 | 15º | Not selected for funding (financial allocation not available) | Not selected for funding (financial allocation not available) | Not selected for funding (financial allocation not available)

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**PT02_2ºRPS_0041**

**Que peixe comer?**

Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa

18.500€ | 18.500€ | 15.725€

**De Novos 7 trabalhos de versículos**

AMH - Associação Portuguesa de Lice do Norte

Staring from the intention to sensitize and raise social awareness about the marine environment and its resources and integrated marine management, expressed in different strategies, action plans and national programs, this project aims to involve more young people in creating a recreational tool to reach Ocean literacy that can be used to make aware various audiences. The subjects will be approached from a global perspective, always illustrating the Portuguese context and focusing on the sharing of good practice in order to promote Good Environmental Status of Marine and Costal Conservation of Europe. The actions involved will develop seven short videos on topics selected from the seven principles of the oceans and, with the support of the Portuguese association of Marine Litter (APLM) and e.learning Laboratory of the Faculty of Science and Technology of the Universidade Nova de Lisboa (FCTUNL), will explain the theme, write scripts and participate in its making. Its dissemination will be made at local, national and international level, using the contact networks of AMH and project partners FCTUNL and EuroMarine.
Among the actions planned are: beach exploration visit; environmental citizenship action (beach cleaning in order to enhance the cultural aspects and the production of an exhibition dedicated to the "Kit do Mar" website and the realization of a training course at the Gil Vicente training center).

The main objective of this project is to strengthen the link between research and the school community, stimulating knowledge on marine ecosystems, their relevance to society and threats they face, taking into account the objectives of the National Ocean Strategy and MARE. “O Clube do Mar” offers schools periodic and regular short duration sessions in which scientists do lectures, develop hands-on activities, organize guided tours or discuss scientific careers with students. The project will focus on the best practices applicable to exploitation and conservation of living marine resources and sustainable management, thereby making communication more effective, as well as not only cognitive aspects but also the emotional aspects of the ocean and the related economic activities, both fundamental to society.

The project aims to create an active involvement of the target audiences, the school community, with Sea and Environment conservation. Research projects developed in IPMA, and different communication science, as best suited to the characteristics of the research project in question, will be used as tools for young people “involvement”. Another of the project’s objectives is to give IPMA’s scientific community involved in the project, the “Know How” to enable it to create in the future other dissemination projects within this theme. Although young people are the preferred target audience of the project, there will also be an active involvement of their families and teachers, as well as the community, since the events are open to the general public.

The project aims to raise awareness of the need to know the interactions between marine resources and the economy and to consolidate this knowledge with fisheries management, while respecting cultural aspects. The project focuses on Santa Luzia’s octopus and its fisheries, which is of the utmost economic importance in this town to Algés. It promotes a set of initiatives whose mission is to promote scientific culture, involving the collaboration of the Low Science Centre and Tavira, with groups of schools, university, a local group involved in the increasing of octopus economic value and the local administration. In addition to teachers training, lectures will be produced for schools, aimed at various levels of education; contents in other areas of octopus knowledge will also be promoted. Santa Luzia being an important tourist centre, the project also includes the development of a guide with points of interest to understand the importance of octopus and its local fishing activity. The fishermen and another families will be involved, in order to enrich the cultural aspects and the production of an exhibition dedicated to the octopus.

The project aims to contribute to the improvement and acquisition of new knowledge of the octopus and coastal ecosystems for professionals in the field of natural sciences.

The project “The Sea Near You” is an awareness and environmental information tool promoted by the municipality to be used in the Monitoring and Environmental Interpretation Centres (MAH) and the Sao Goncalo Interpretation Centre. The project includes three activities, namely:

- Action 1 – Guide for teacher support and activities book "The Sea Near You"; has as objective to make known marine ecosystems and natural values of the region, as well as the main threats and conservation needs.
- Action 2 – environmental awareness actions all directed to inform students and mobilise the school community to the importance of the sea.
- Action 3 – Promotion of accredited training, contribute to the improvement and acquisition of new knowledge of the octopus and coastal ecosystems for professionals in the field of natural sciences.

The project aims to strengthen the link between research and the school community, stimulating knowledge on marine ecosystems, their relevance to society and threats they face, taking into account the objectives of the National Ocean Strategy and MARE. "O Clube do Mar" offers schools periodic and regular short duration sessions in which scientists do lectures, develop hands-on activities, organize guided tours or discuss scientific careers with students. The project will focus on the best practices applicable to exploitation and conservation of living marine resources and sustainable management, thereby making communication more effective, as well as not only cognitive aspects but also the emotional aspects of the ocean and the related economic activities, both fundamental to society.
The project "Coastal Erosion in Portugal: communicate to engage and educate" explores a topic of high relevance to Portugal and the region of Aveiro in particular. This project aims to implement awareness campaigns, with the general public, particularly younger audiences. In order to contribute to the training of awareness and knowledge about marine issues related to coast erosion and sea level rise and their involvement with the Coastal Zone, an awareness and education program of "Mar dos pequeninos" will be developed involving two school groups, the University of Aveiro, the Living Science Center Factory of Aveiro, Aveiro’s Municipal Libraries, Praia da Barra and the Dunes of San Vicente. This program will engage students of all ages and school levels in educational and social activities such as laboratory workshops, lectures, science cafés, science stories, field trips and Science Fair competitions or Challenges. In order to involve teachers and contribute to their training in this area, a Training Course will be held in the Training Workshop mode, involving attendance week-end and to work in the classroom.

**Budget**

<table>
<thead>
<tr>
<th>Project</th>
<th>Funding (Financial allocation not available)</th>
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</thead>
<tbody>
<tr>
<td>Mar dos pequeninos</td>
<td>Not selected for funding (Financial allocation not available)</td>
</tr>
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</table>

**Selected Projects**

- **Mar dos pequeninos** Project: "Mar dos pequeninos" is designed for the younger segments of the population, reaching about 1000 students of the first cycle, with the aim of awakening them to the importance of marine and coastal waters of European good environmental status, through teaching the research carried out on the sea. Two types of activities will be held: interactive games and experiments based on ocean types of initiatives run on 2013-2016 sites and disseminate information in order to increase the ocean literacy, which will travel though schools. The initiative will travel through 15 schools, and will also be present at Quinta do Gruta in the town of Vila do Conde, for about two weeks.

- **Eu e o Mar** Project: "Eu e o Mar" ("Me and the sea") includes the promotion of recreational and educational activities about the oceans, including a theoretical workshop, a participatory session and a recreational and pedagogical game. The workshop is aimed at providing knowledge so as to promote ocean literacy as well as increased awareness of the importance of the ocean and its resources for the Planet, promoting behaviors and good conservation practices habits for a good environmental status of the oceans. The participatory session will promote the conclusion of electrons-reference sites dedicated to Ocean Literacy, including the "10 de Mar" and "Conhecendo o Oceano" sites. The "Debaixo do mar" ("Under the Sea") Game is a large recreational and educational game, allowing the consolidation of important knowledge on the oceans in a playful way and using different activities (trivia, drawing, questions and puzzles). An entertaining and informative presentation will be included with a multimedia book, which will promote access to the Ocean Literacy 2013-2016 sites and disseminate information in order to increase the ocean literacy, which will travel through schools. The initiative will travel through 15 schools, and will also be present at Quinta do Gruta in the town of Vila do Conde, for about two weeks.

- **Formação e Cooperação** Project: "Formação e Cooperação" is an educational game, allowing the consolidation of important knowledge on the oceans in a playful way and using different activities (trivia, drawing, questions and puzzles). An entertaining and informative presentation will be included with a multimedia book, which will promote access to the Ocean Literacy 2013-2016 sites and disseminate information in order to increase the ocean literacy, which will travel through schools. The initiative will travel through 15 schools, and will also be present at the Environmental Education Centre of Albufeira, for about two weeks. In addition, the initiative will take the game and its information resources to the beaches of Algarve. The use of Algarve’s famous beaches, in an additional tour of two weeks, will be the ideal time and place to reach both families and young people, and inform them on the theme.
<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Title</th>
<th>Association/Institution</th>
<th>Initial Funding (€)</th>
<th>Final Funding (€)</th>
<th>Final Allocation (€)</th>
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<td>PT02_2PBI_0012</td>
<td>Triangular</td>
<td>APAHBA- Associação Portuguesa de Treino de Vela</td>
<td>15,743</td>
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<td>13,382</td>
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<td>PT02_2PBI_0020</td>
<td>PEQUINHO CIENTISTAS DO MAR</td>
<td>MUNICÍPIO DE VILA NOVA DE CERVEIRA</td>
<td>14,100</td>
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<td>&quot;Educação pela arte: Oceanos Vivos&quot;</td>
<td>Escola de Vila Verde, Comunicação e Gestão de Contornos, Lda.</td>
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<td>15,793</td>
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<td>PT02_2PBI_0029</td>
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<td>ECOGE - Educação para o Conhecimento do Oceano e da Atmosfera</td>
<td>Agência Regional para o Desenvolvimento da Investigação e Inovação</td>
<td>18,187</td>
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<td>PT02_2PBI_0030</td>
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<td>11,532</td>
<td>9,480</td>
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The project "Triangular" aims to improve the Ocean Literacy of the young Portuguese population using artistic expression as a communication tool of marine sciences. We propose the participation of secondary school students in three oceanographic campaigns, bringing together sciences and arts students who, aboard a ship, learn navigation techniques, collect and take samples for later laboratory analysis and will also make the expeditions artistic register. Workshops will be held in advance, in order to prepare the correct scientific procedures and the rule on board the ship. The final products will be an exhibition based on the three sea campaigns and the presentation of a communication at a scientific congress in the marine sciences field.

The overall objective of the project is to provide the students of the 1st education cycle with marine physical and biological knowledge through experimental activities. It is also intended to include 1st cycle teachers in training sessions aimed at increasing their level of ocean literacy. Promoting the involvement of the educational community in local and global environmental issues, as well as for scientific practice, promote still to the interstitial zone; promote contact with the local community, particularly the artisanal fishing community, for the purpose of gathering information about the practice of fishing as an operating activity on a biological resource, recognizing less correct practices that harm resources and the environment as poaching, pollution, habitat artificialization and encourage the importance of cultural identity preservation of the region associated with sea-river identity.

"Educação pela arte: Oceanos Vivos" is an innovative project to raise awareness and civic education as an informal context, aimed at teachers and students from 1st to 3rd cycle of basic education, which aims to introduce art in inter and multidisciplinary perspective, developing imagination and creativity, combined with environmental awareness of the Oceans. This project includes the implementation of a series of workshops in the school environment culminating in setting up and conducting a final show on the theme of the oceans. These workshops are based on a dynamic multidisciplinary, with theoretical workshops on ocean's environmental education, which will be complemented with artistic workshops of educational dance, visual arts, drama and musical expression.

The connection to the sea has always been present in Portugal but there are activities that are being lost often to make room for others that are not sustainable for the environment and local communities. There is much about this connection that the Portuguese children are unaware of and it is fundamental for ocean literacy that this link is valued. This is the project objective and goes towards what is expected in the National Ocean Strategy and the Strategic Plan for Biodiversity 2011-2020. This promotion will be done with the use of "Ocean in a box", a box with materials and guidelines for activities used to train young students Extracurricular activities at the 1st cycle. The set begins which meet the project's objectives will be possible to achieve through the innovative nature of the project, its high nationwide reach and its high penetration capacity.

Education as a social and cultural process should be the responsibility not only of the school but to a wide range of entities. In this context, the Madeira Ocean Observatory (MOO) aims to support schools in the development of educational sea-related activities, promoting students increased scientific literacy. Therefore Education and Training emerge as major strategic cores to develop within the Observatory. This is born the ECOGE project, aimed at the demonstration of concepts and knowledge dissemination, exemplarly in a mobile laboratory.

We intend to design and develop a consciousness program for a real awareness of the marine environment, particularly the "Portuguese sea" and its natural resources, "fishing and sustainable fish consumption" and their economic and social potential as well as the direct benefits these resources have for our country. This set of awareness raising actions, will be promoted during a dedicated week to take place in four school clusters in the region of Lisbon, Leiria and Middle Tagus, for students of 2nd and 3rd cycles and secondary education, adapting the sessions to the specific needs and requirements of each grade. Sciencia has collaborated in the areas of the sciences and conservation of natural resources and experience in the area to develop environmental awareness sessions in schools. Through these sessions, we want young people to acquire a set of rules of behavior and citizenship to help in the conservation of the oceans and themselves to be vectors of transmission of these behavioral labels. This project aims to promote the Ocean literacy 2013-2016 website and the preparation and distribution of informational materials on ocean conservation.
O Super Herói: Zói, O Super Herói

Associação dos Açores - Oceano Mar dos Açores - Unipessoal, lda

O projecto visa contribuir para o desenvolvimento de conteúdos e ações de natureza ambiental e científica em nível de educação básica que fiquem focadas no mar e em questões relacionadas ao mar. O projecto, que fará parte do Programa das Atividades Integradas da Horta; (DOP); Escola Básica de Estarreja Agrupamento de Escolas de Estarreja, incumbirá-se das seguintes etapas:

1. A transcrição do musical de videogame.
2. A distribuição do filme-
3. A edição em DVD
4. A apresentação pública do filme

O projecto consiste em realização de atividades com crianças de 4 a 10 anos, em 10 escolas, que terão como objetivo sensibilizar o público em geral sobre as questões relacionadas ao meio ambiente marinho, particularmente, questões relacionadas ao mar e ao ambiente marinho.

Através deste projecto, será realizado o desenvolvimento de conhecimentos sobre o meio ambiente marinho e questões relacionadas ao meio ambiente marinho, com o intuito de promover eco-responsabilização nas crianças e jovens.

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### Ciência nas Férias - Aprender o Mar

**OMA - Observatório do Mar dos Açores**

**IMAR-Instituto do Mar; ESCOLA SECUNDÁRIA MANUEL DE ARRIAGA; Direção Regional do Ambiente; Direção Regional dos Assuntos do Mar; Festival de Cinema Ambiental Cine'Eco Seia; Flying Sharks**

- **Budget:** 16,393 €

The ultimate goal of this project is the development of theme weeks, adapted to each of the different levels of education, to take place during school holidays, complementing the curricula with knowledge about the sea and enabling young people to make contact and approach the various sea-linked professions in a more practical and relaxed way, thus promoting Ocean Literacy. It also aims to emphasize the importance of understanding local maritime heritage, in particular the Whaler Heritage and Underwater Archaeological Heritage in order to make a connection to the importance of marine ecosystems conservation. This project will also have a small component directed towards the general public, through the organization of small film cycles screenings on the Environmental Thematic, linked to the oceans.

### Aquapolis - tomadas de decisão em urbanismo, planeamento e gestão de áreas marinhas

**APORVELA - Associação Portuguesa de Treino de Vela; Junta de Freguesia de Alcântara; Agrupamento de Escolas Francisco de Arruda**

- **Budget:** 6,052 €

We want to actively contribute to the improvement of the Ocean Literacy of Portuguese youth through the conception of a game about decision making in urban design, planning and management of marine areas. We estimate at about 75 the number of students directly involved in this project and over 2000 those who will receive the final product. Ocean Literacy is still at an early stage of implementation with the school community although it is considered and discussed in the National Ocean Strategy 2013-2020. It is essential that in Portugal education about the sea gets special attention, especially to produce more aware, informed citizens empowered in their ocean related decision-making, future actors of smart, sustainable and inclusive blue growth. This project is based on the design and development of a board game whose aim is to promote sustainable management of oceans, marine ecosystems and urbanism through which we consider that young people will understand better the sea-land interdependence and the challenges facing blue growth and sustainability.

### Project Baseline Matosinhos

**Atlantic Thunder Associação**

- **Budget:** 15,545 €

This project has as its main guideline the contribution to increase Ocean Literacy in Portugal. This awareness will be built on the example of an emblematic place of our coast, the wreck of a World War 2 submarine. In all the initiatives and activities planned, we will use the U-1277 submarine and the oceanographic and biological data collected during our dives to make a "bridge" between all the puzzles that the sea and oceans still hold, as well as current threats to its balance and health, and the real benefits of small contributions for its maintenance that we may have. Starting with local activities, targeted to the young, our aim will be to consolidate not only the ideas relating to the importance of the oceans, but also the dependency we all have in it, and thus establish habits and ecological routines in those that will form tomorrow’s society.
**PT02_2ºRPS_0032**

ARGASSO - Algas da basaltífrica

Universidade do Minho

IPMA - Instituto Português do Mar e da Atmosfera, I.P. (IPMA)

15.556 € 15.556 € 13.223 €

Seaweed contributes a high potential economic resource and it is an element key in marine conservation both as primary producers and as habitats foundation. In the Portuguese coast, the importance of the algae as a natural element is evidenced by large seasonal occurrence of brown algae, which result in dense formations of high productivity and an important habitat for many organisms. Despite its importance, its role is not recognized by the public, who see them more as a visual degradation factor of beaches or as nuisance in bathing areas. With this project, we intend to demonstrate to the school and the public the importance, wealth and economic potential associated with the diversity of coastal algae. The production of electronic resources, linked to a travelling exhibition and the direct contact with these organisms in their natural environment will support a theme approach that will exceed the duration of the project.

Not eligible for funding (the applicant didn’t demonstrate all the requirements of administrative and eligibility criteria)

**PT02_2ºRPS_0043**

Escolas do Monte da Lua

Agrupamento de Escolas do Monte da Lua

C.I.P.A.I. Colégio Minerva; Associação Portuguesa de Vela e do Mar e da Atmosfera, I.P. (IPMA)

17.822 € 15.149 €

The project aims to train a group of young students from two schools, one in the interior and the other in the coast, as promoters of Green LLETory, creating raising awareness and spreading the "sea potentiality" in an extended school public, in collaboration with IPMA. The combination of the various initiatives to be undertaken by the young people plan to contribute to the development of responsible citizens for the preservation of the Good Environmental Status of marine waters (GEOMAR) and to raising awareness of marine resources usability and profitability, which have socio-economic impact at national and global scale. The activities to be undertaken by young people comprise, among others, seminars, workshops, thematic exhibitions, building a blog, reading, and participation in laboratory work and research material collection at IPMA.

Not eligible for funding (the applicant didn’t demonstrate all the requirements of administrative and eligibility criteria)

**PT02_2ºRPS_0047**

Limpar a vela

Clube de Vela do Barreiro

Associação Portuguesa de Classe Optimist; C.P.A.A. Colégio Minerva; Associação Regional de Vela do Centro (do not participate in the budget)

19.541 € 15.792 € 13.423 €

The project “Limpar a vela” (“Cleaning while sailing”) is an awareness and promotion of good environmental practices campaign, which aims to raise awareness and knowledge about marine issues, in oceans and rivers. This campaign was designed to have an higher incidence with the youth, particularly aged to 18 years, through actions in schools, but also through actions and campaigns in the field, such as direct cleaning of the rivers and seas beaches.

The pursuit of the objective of the project will be based on a sport and outdoor-related activities with direct contact with the sea, promoting good environment practices through theoretical actions, but also by acting directly, cleaning the environment where participants sail.

The activities in classroom context and with associations aim to provide participants with knowledge about the impact that different human activities produce in the marine environment and educate participants on good environmental practices. Learning best practices will then be demonstrated with outdoor activities - “Cleaning while sailing”, enjoining a sport while helping in natural resources preservation.

Under the project, we tried to establish partnerships with entities with different action spheres, in order to extend the range of participants, approaching the target audience (children in primary and secondary education), but also sailing clubs and people and children whose favorite sport is SAILING.

Apart from the contribution to be obtained in terms of the civic conscience of each participant as well as the direct impact on the intervened areas cleanliness, the aim is, together with partners, to create an exhibition at the end of the project, using some of the materials collected in the extended actions.

Not eligible for funding (the applicant didn’t demonstrate all the requirements of administrative and eligibility criteria)

**PT02_2ºRPS_0049**

Entre marés - unidade de informação, gestão de conhecimento, formação em acto de agentes educacionais em Oceanografia (do not participate in the budget)

Lançada Associação Cultural de Apoio ao Estudar Mar e Aquecimento do Clima (do not participate in the budget)

12.272 € 11.201 € 9.589 €

The Association aims at the support in the areas of environmental preservation activities promotion, deemed necessary for the achievement of its purposes. The project objectives fall totally within those of the Association. The Association's ship and its Scientific Committee, grouping scientists in all areas of marine sciences, placed at the service of its partners, two Cooperatives entities for the Education of Citizens with Disabilities, CIRC and CIRC, are a holder of excellence for partners to be able to develop awareness actions and thus forming a sense of environmental responsibility in different youth groups. The CIRC and CRIC have in the project and the support holdies provided a great opportunity to create marine environmental awareness synergies with about 400 students / classes which will be truly an important enriching and unique experience, and a motor for new initiatives.

Not eligible for funding (the applicant didn’t demonstrate all the requirements of administrative and eligibility criteria)