Portugal Report of activities under the Programme ‘Man and Biosphere’ (MaB) - UNESCO

2013 – 2014
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INRODUCTORY NOTE

Portugal is associated with the Man and Biosphere Programme (MaB) since late 1981. Presently there are seven Biosphere Reserves, an important number in a country with the geographic dimension of Portugal, whose designation was based on the presence of natural values of special relevance for its rarity and value in scientific, ecological, social or scenic terms. Biosphere Reserves of Portugal cover different types of ecosystems, such as islands in the regions of Macaronesia and in the Atlantic sea, marshes of the Tagus and mountainous areas in the north of mainland Portugal. Two new areas are now being assessed. Both proposals are transboundary in nature which demonstrates very clearly the geographical continuity of natural values in the Iberian Peninsula and a strong element of cooperation between Portugal and Spain with regard to policy of biodiversity conservation and its sustainable development/green growth potential. In the present report the activities carried out between May 2013 and April 2014 are presented.
1. MaB National Committee

Portugal reiterates the national interest in the Man & Biosphere Programme of UNESCO and it is in this context that MAB National Committee is being reactivated, with a new model in terms of composition, functions and rules of operation. For internal political reasons several ministries were restructured and the proposed model is waiting approval from the Ministry of Agriculture and Sea and the Ministry of Environment, Spatial Planning and Energy. We believe that the new model allows greater involvement of managing bodies of Biosphere Reserves in the exchange of experiences, in creating synergies and in presenting information on the activities developed. Close work with UNESCOs National Commission has allowed to overcome the lack of a fully functional MaB National Committee. In this context, some of the activities developed are presented:

i) UNESCO Awards

Portugal submitted Ms. Luisa Teixeira application to the UNESCO MAB YOUNG SCIENTISTS AWARDS, after a careful analysis of the proposal - “Protecting Marine Ecosystem Services in the new Protected Area of the “Primeiras and Segundas Archipelago, Mozambique” - which was endorsed by the MAB National Committee with official support of Portuguese UNESCO National Commission.

ii) Updated maps of biosphere reserves in Portugal

New updated maps of the seven Biosphere Reserves of Portugal were sent to UNESCO (Paris) together with the corresponding shape files and respective links to access each internet websites.

iii) New proposals

Iberian Meseta (transboundary biosphere reserve)

An application for an Iberian Meseta (table-land) transboundary biosphere reserve is proposed by ZASNET.

ZASNET is an European Grouping of Territorial Cooperation (EGTC) which aims to articulate a common area and to promote transboundary relations
as well as to implement transboundary territorial cooperation on local and sub-regional policies in the territories of the associated members.

EGTC ZASNET includes the following members: Association of Municipalities of Terra Fria Transmontana, the Assembly of Salamanca, the Association of Municipalities of Terra Quente Transmontana, the Association of Municipalities of the Upper Douro, the Municipality of Zamora and the Assembly of Zamora.

Within its scope of action, the EGTC ZASNET presented a project to SPOPTC (Spain-Portugal Operational Programme for Territorial Cooperation) named "Transboundary Biosphere".

This project aims to present an application to the MaB Program to propose the territorial area of ZASNET as a Biosphere Reserve.

Accordingly a company was hired by international tender (Spanish and Portuguese consortium ERENA.SA Fundación Naturaleza y Hombre) for the preparation of the application.

In parallel, the EGTC ZASNET set up a Joint Commission to support the Transboundary Biosphere project consisting of members of the ICNF, the Regional Development Coordination Commission of the North, the Junta of Castilla y León and members of ZASNET (environment experts).

The proposal aims to establish a large Transboundary Biosphere Reserve (about 29,907 km2 and a population of 681,153 inhabitants) and requires
the involvement of many municipalities, stakeholders and local population, both from Spain and Portugal.

Several meetings took place with the promoter, in which the work developed by the consortium was analyzed namely its management plan, financing, the involvement of local communities and municipalities and zoning and limits of the Biosphere Reserve. A new proposal application is currently under examination.

**International Tejo/Tajo (transboundary Biosphere Reserve)**

In 2009, during the Spanish-Portuguese Summit of Zamora (22nd of January), in the framework of Spanish-Portuguese bilateral relations, a Memorandum of Understanding was signed on transboundary cooperation in the international Tejo/Tajo area. According to this document, beyond the establishment of an International Park (already in place) Spain and Portugal agreed to work towards a proposal for an application of a Biosphere Reserve of the UNESCOs MaB Programme.

This proposal arose in the context of the recognition of the biodiversity importance of this area in terms of potential economic valorization of the region, as well as of the good working relationship and technical cooperation between the respective teams of the two contiguous national parks (International Tejo Natural Park and International Tajo Natural Park), particularly with regard to monitoring threatened and priority species, which runs since the 90's.

In order to prepare the technical elements required to fulfill UNESCOs application forms, several working sessions have been held both with Spanish colleagues involved in this task and with local National Park stakeholders in the Portuguese side. 25 partner organizations are now involved.

The territory to be covered by each class of zoning (core areas, buffer and transition) in order to fulfill the functions of a Biosphere Reserve in accordance with the formal requirements and the involvement of local communities, municipalities and development agents, are the areas where we have concentrated our work lately. Still there is no formal proposal yet.
iv) Show and Conference "UNESCO Biosphere Reserves: Sustainable Development Laboratories"

In order to promote and disseminate the Portuguese Biosphere Reserves as sustainable development labs and to explain its importance in terms of socio-economic development of the its territories, an exhibition was promoted from 2 to 4 July 2013, at the premises of the national Parliament, informing on its characteristics, the activities undertaken and the goods and services available in each of them. During the show, the activities of Biosphere Reserves in the areas of science, education, culture and economy were promoted with a special focus on tourism. One day was dedicated to each Biosphere Reserve, where specific cultural moments and tasting sessions were promoted.

This event was inaugurated by the President of the Parliamentary Committee for Education, Science and Culture, the parliamentarian Mr. José Ribeiro e Castro.

On July 3\textsuperscript{rd} a conference took place with presentation of papers by several managers/coordinators of each of the Portuguese Biosphere Reserves highlighting the activities developed, innovative practices, the ongoing actions and its impact on the sustainable development of the territories as well as the involvement of local communities in harmony with biodiversity. Given the dynamics, created in the meantime, both in terms of cooperation established with the Community of
Portuguese Speaking Countries (CPLP) and with Spain, representatives of REDBIOS and a Spanish representative of the Transboundary Reserve Gerês/Xurés also attended the conference. The conference was broadcast by the Parliament TV Channel which is open to the entire national population.

In terms of balance, this initiative (Show and Conference) was very important as it allowed to promote and strengthen the cohesion and dynamics among the seven reserves, thus creating positive synergies and team spirit which is necessary for networking. Furthermore, there was an evident interest regarding the work of the various Portuguese Biosphere Reserves which, for many participants, represented a first contact with Biosphere Reserves, which is why this action was extremely useful to publicize and promote the territories of the national Biosphere Reserves to citizens and political representatives (Members of Parliament and Parliamentary Groups).

Lots of messages with positive feedback were received from various sectors.

Both events were held under the responsibility of the UNESCO National Commission (coordination), the Parliamentary Commission on Education, Science and Culture of Parliament and the Institute for Nature Conservation and Forestry. The Parliamentary Commission of Economy and Public Works and the Commission on Environment, Planning and Local Government also supported the event.

The invitation/program and the press release can be found in annex 1.

v) Report of the Periodic Review of the Biosphere Reserve of Paul do Boquilobo

In order to answer the request of UNESCO MaB Program, the MaB national committee was deeply involved in the process of elaboration of the Report of the Periodic Review for biosphere reserve of Paul do Boquilobo. It required a lot of work and contributions from all stakeholders and even an extraordinary meeting with 21 local actors, where the MaB national committee and the Portuguese National Commission for UNESCO were present to discuss the necessary improvements on management of this biosphere reserve.

At last we sent the electronic version to the Secretariat of the MaB Program by e-mail and an hard copy to the Portuguese National Commission for UNESCO to be sent, by diplomatic channels, to the Portuguese Permanent Delegation at UNESCO.
We would like to enhance the importance of this Biosphere Reserve, the first ever in the country (classified in 1981) and are willing to proceed with the necessary improvements in the near future, so that Boquilobo fulfills all important objectives of the Man and Biosphere Program.
2. Biosphere Reserves

A. Mainland Portugal


Following a request of the UNESCO MaB Program, the Report of the Periodic Review of the Biosphere Reserve of Paul do Boquilobo was sent on the 4th of February of 2014. The report, the first ever, evaluates the significant changes and progress in the three functions of a Biosphere Reserve and was elaborated with the support of all stakeholders involved, as expressed in the document. A lot of work was required involving contributions from all stakeholders and even an extraordinary meeting to have the report done. All efforts were done to fulfill MAB’s request.
ICNF stresses the importance of this Biosphere Reserve, the first ever in Portugal (classified in 1981) and the willingness to proceed with the necessary improvements in the near future, so that Boquilobo fulfills all important objectives of the Man and Biosphere program.

The management of this Reserve is intended to be a development model focused on the conservation of environment and cultural heritage, where management objectives are developed around three complementary axis/functions:

- **Conservation** - contributing to the conservation of landscapes, ecosystems, species and genetic variability;
- **Development** - contributing to an economic and human development which is social-cultural and environmentally sustainable;
- **Logistic** - Laying the bases for research, monitoring, education and information exchange on issues of conservation and local, national and global development.

The most relevant actions carried out in 2013/2014, within each of these areas are the following:

**CONSERVATION**

The continuation of conservation and monitoring actions regarding species of flora, fauna and natural habitats:

- Some actions initiated in previous years have continued, such as the conservation and increasing area of *Narcissus fernandesii* population, which is an Iberian endemism considered very threatened and endangered. In fact the protected population of Boquilobo Marsh is the second largest population known in Portugal and the largest one within a protected area;

- Monthly census of birds occurring in the reserve with special emphasis to the wildfowl species and the species breeding in the heron’s colony. Some of these censuses are made in an European framework, such as the January count of wildfowl;

- Concerning the Cork oak forest (*Quercus suber*) actions have been conducted to maintain and improve two different examples of habitats with ecological interested and didactic value, identified in the CCE Directive nº 97/62/EC from 27 October (habitats number 6310 and 9330).
The monitoring, mapping and georeferencing of natural habitats within the natural reserve, was completed with a study performed jointly between ICNF and the Tomar Polytechnic Institute;

Particularly in 2014, special emphasis was put on the European census of white stork (*Ciconia ciconia*) made on a ten years basis.

The census of red legged partridge (*Alectoris rufa*) inside the natural reserve as well as an inventory of the diversity of insects (orders *hymenoptera* and *diptera*) were also performed by two notorious British entomologists (Martin Jenner e Peter Hodge).

In February regular ringing station, under the terms of the EURING, was performed.

**DEVELOPMENT**

In the axis of sustainability, it’s important to highlight the actions carried out to see the possibility of enlargement of the Biosphere Reserve area, promoting also a more participative management. A large meeting with different stakeholders was held in January 2014, and there was an unanimous decision to mandate a local Non-Governmental Association, to lead the process. The Biosphere reserve has increased contacts with the main farms within the surrounding area.

**In 2013 the following events are worth mentioning:**

- Participation at the Show and Conference “UNESCO Biosphere Reserves: Sustainable Development Laboratories;
- In the fight against cancer international day, a visit was organized in collaboration with Environmental non-governmental;
Participation in local important events such as the Feast of S. Martin, National Horse Fair, International Fair of Lusitano Horse in Golegã and the traditional pilgrimage to the reserve by the people of the parish council of Azinhaga, continued as in previous years;

In September, in response of a demand from the municipality, the I triathlon of the Golegã, was realized inside on the reserve.

In 2014 the work within the neighboring continued and other activities started:

- The Nature Sport Rules within the nature reserve were applied;
- Participation in the workshop about Social Diagnosis in Golegã municipality and in the I Socio Cultural and Local Development International Congress, conducted at Quinta dos Álamos;
- The certification of the ash population (*Fraxinus angustifolia*) according to the ordinance of the Portuguese law nº 205/2003, resulting from an European directive on Reproduction Forest Material classification;
- Concerning the importance of species of agricultural interest, the transplantation of five different rare varieties of olive trees (*Olea europaea*), from an olive plantation converted to agriculture land in the surroundings of the natural reserve to the land belonging to the state was accomplished;
- Collaboration in the Land consolidation study regarding the agriculture areas surrounding the protected area;
- Torres Novas Municipality started a program on water quality of the Almonda river.

**LOGISTICS**

- Special reference to a protocol with Maria Lamas local secondary school and Calouste Gulbenkien Foundation regarding visits to the reserve, lectures to students in the classroom context and the use of ringing birds activities to raise awareness to birth preservation. In that context the reserve has received two trainees of Maria Lamas School;
- The protocol with Polytechnic Institute of Tomar on monitoring water quality from the Almonda River continues, with samples being collected in a new place inside the restricted area (analysis of
physical-chemical parameters and monitoring of key environmental parameters for the knowledge and management of this ecosystem);

- Volunteer actions have been conducted with local schools and scouts such as regarding the pruning of young oak trees;

- Participation in the European Day for Bird Watching in a altogether with of two non-governmental associations;

- Visitation to the biosphere reserve with special reference to the elderly and the childish population;

- Implementation of the Instuitional mail of the reserve (rnpb@icnf.pt) and information update on the web page of ICNF,IP;

- Improvement and updating of the communication panels in the natural trail and improvement of the access;

- Building of a protection fence allowing pedestrians and cycling visitors but preventing motorized vehicles to enter in the state owned area.
2. Berlengas Biosphere Reserve - part of the World Network of Biosphere Reserves since 2011 and managed by the Municipality of Peniche and Institute for Nature Conservation and Forests (ICNF, IP)

CONSERVATION

In the context of conservation, some major projects are underway:

1. LIFE + Nature project LIFE13 NAT/PT/000458 “Conserving threatened habitats and species in Berlengas SPA through sustainable management” (LIFE Berlengas), approved on 30 April 2014, will be implemented from 01/06/2014 until 30/09/2018. Partnership: SPEA (coordinating partner), ICNF, Faculdade de Ciências Sociais e Humanas of the Universidade Nova de Lisboa, Centro de Estudos de Geografia e Planeamento Regional and Peniche Municipality.

The main objectives of this new project are to:

i) Understand the main threats affecting seabird populations and endemic plant species on land and at sea (for seabirds) and define actions to minimise/eradicate them, including a long-term monitoring scheme

ii) Promote a sustainable use of the recently created Berlengas Special Protected Area (Birds SPA), focusing on its main three economic activities: Fisheries, Recreational activities and Tourism

iii) Define the necessary monitoring framework for the completion and approval of the management plan of Berlengas SPA.

2. Monitorization of Percebe (Pollicipes pollicipes) continues under the project “PERCEBE - Gestão, Ecologia e Conservação do Percebe em Portugal” (operação 31-03-05-FEP-11) which studies the abundancy and the catch of the species in the biosphere reserve and Portuguese coast. Exploration of the specie in the Biosphere Reserve is regulated. Laboratório de Ciências do Mar da Universidade de Évora leads the project.

3. LIFE+ MarPro Project- Conservation of marine protected species in Mainland Portugal (LIFE09 NAT /PT/00038; Duration: 2011-2015; aims: reduce the conflicts between fisheries and cetacean and seabird species by implementing solutions
concerning by-catch and fish depredation; understanding the complex relations between the exploitation of pelagic fishes and the conservation of protected species; ensure the long-term socio-economic viability of the management, surveillance and monitoring activities of the target species and their habitats, together with the promotion of a sustainable exploitation of marine fishery resources of Mainland Portugal). Partnership: University of Aveiro (coordinating partner), IPIMAR (Portuguese fisheries institute), University of Minho, SPEA and ICNF, I.P.

It gives continuity to the project “Spatio-temporal dynamics of seabird-marine prey interactions in the Portuguese coast”. Aiming to understand the complex interactions between four trophic levels of the Portuguese pelagic ecosystem: primary production, secondary production, distribution of pelagic fish and seabirds along the Portuguese continental shelf. MarPro website: 

Other Actions underway in Berlengas and Peniche coast:

- Census of cetaceans in the marine area of the Reserve - 2,800 Nautical Miles = 5 Km;
- Seabirds monthly counts from Cabo Carvoeiro;
- Observation of Seabirds behaviour from Cabo Carvoeiro;
- Coastal Inspections from April to October for the detection of marine mammals and birds strandings.

DEVELOPMENT

1. In the summer of 2013, the School of Tourism and Maritime Technology (Polytechnic Institute of Leiria/IPL), the Research Group on Marine Resources (GIRM - IPL), the Natural Reserve of Berlengas (ICNF) and the Municipality of Peniche, fostered a volunteer program in the Biosphere Reserve of Berlengas, involving the provision of information to visitors, the disclosure of natural values of the Biosphere Reserve and conducting visitor surveys.

2. In June 2013 IPL presented and launched the first stone of the new scientific and technological infrastructure, named CETEMARES, which will be based in the fishing harbor of Peniche and will be the headquarters of the Marine resources research group, a biotechnology, fishing, marine ecology, training facility among
other. The investment amounts to about 3 million euros and is supported by European funds.

3. The working group for the biosphere reserve management, with all partners ICNF, CMP, OPCENTRO, AMB, ESTM-IPL, held an ordinary meeting in June 2013 which approved the activity plan for 2013 and 2014.

LOGISTICS

Regarding logistics, the Biosphere Reserve of Berlenga performed the census of reproductive populations of seabirds in the Berlengas Archipelago - Yellow-legged Gull *Larus michahellis*, Shag *Phalacrocorax aristotelis* and 2 major initiatives as follow:

1. “Tanto Mar” 2013 Week - cultural and adventure week on the valorisation of the strategic role of the sea which involved 50 pre-university young individuals. It was an initiative of the Forum Estudante (Student Forum), in partnership with the Municipality of Peniche and the School of Tourism and Maritime Technology (ESTM-IPL), sponsored by Caixa Geral de Depósitos (Bank) and with the support of the Ministry of Defense, EMAM, Naval School and ICNF. The event will be organized again in 2014.
A report from 2013 can be found at the following address: [http://tantomar.forum.pt/home/46-geral/162-o-mergulho-na-berlenga](http://tantomar.forum.pt/home/46-geral/162-o-mergulho-na-berlenga)

2. “Be@Berlenga” Initiative (7-9 June), organized by the nucleus of students of marine biology and biotechnology, the research group on marine resources and the risk group of the Polytechnic Institute of Leiria and with the support of the Municipality of Peniche, the ICNF, the Port Authority of Peniche, HALIOTIS, AQUASUBOESTE, VIAMAR and Volunteer Firefighters of Peniche. During the three days the participants had the opportunity to attend lectures, participate in scientific workshops, and contribute to the conservation of the biosphere Reserve and to get in contact with the underwater world.
Various activities were held during 2013/2014 in the context of the Action Plan of the Transboundary Biosphere Reserve of Gerês-Xurés (RBTGX). These activities are hereby presented in accordance with each of the main axis and lines of action of the Action Plan.

**Axis 1 – Image and Identity of the Biosphere Reserve**

**1.1 Comunication and image of the Biosphere Reserve**

Updating of the zoning map of the Biosphere Reserve was accomplished in accordance with the new Planning Scheme (PO) of the Peneda-Gerês National Park (PNPG) in the Portuguese area of the RBTGX. PO PNPG was published on February 4th 2011, two years after the establishment of the RBTGX. Since there was a significant change in the zoning of the PNPG it was also necessary to update the zoning of the RBTGX.


**Axis 2 – Socio-economic development**

**2.1 Training and awareness-raising**

RBTGX participated at the Show and Conference “UNESCO Biosphere Reserves: Sustainable Development Laboratories, at the national Parliament. This participation consisted in the presentation of a poster, a movie, an oral communication and in local products and publications shows. Participation also included designing and printing two panels on the Portuguese RBTGX for exhibition.

An initiative named “Open Day PNPG/RBTGX” was organized on the 29th of June. The program of this day consisted in a visit to the eastern part of the Biosphere Reserve in the municipality of Montalegre and was held in the parishes of Covelaes and Pitões das Jírias. A brief presentation of the history of the population of Cabra-montesa was included, with a visit for the observation of this species, a visit to the Interpretation Centre of Planalto da Mourela, with the presentation of a film on the project “Conservation of heathlands and sustainable development of Planalto da Mourela ” and a visit to the Poço das Rãs peatland, a protected habitat under the EU Habitats Directive which suffered minor interventions with a view to its conservation. This activity was attended by 21 persons.
Images of the “Open Day PNPG/RBTGX” in 2013

Also in 2013 several environmental education activities were held in the context of initiatives such as the “Forest Day”, the “Green Days” (with day and night birds of prey), sowing and planting of native species, ”Open Day” and “Animal Day” with a total participation of 847 people.

Ninety-five persons participated in volunteer activities related to the maintenance of the Recovery Center of Wild Fauna and combating invasive wood species.

In several information centers throughout the territory of RBTGX a total of 55,835 visitors were recorded to visit these centers to collect information on the territory.

Various guided visits to the territory of RBTGX took place, mainly related to the observation and interpretation of natural heritage and also the cultural heritage, in a total of 392 participants.

Seven existing rails in the territory were subject to remarking and cleaning.
2.2 Conservation and Valorisation of cultural, material and imaterial heritage

Following the submission of 22 applications of common-lands to non-productive investments (INPS) within ITI/PRODER resulted in the following actions of heritage recovery:

<table>
<thead>
<tr>
<th>Type of action</th>
<th>Values</th>
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<tr>
<td>Shepherds Huts</td>
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<td>Bear girths [Cilhas de urso]</td>
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<tr>
<td>Wolf pitfalls [Fojos de lobo]</td>
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<tr>
<td>Corrals</td>
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<td>Mills</td>
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<tr>
<td>Trail recovery (m)</td>
<td>165.849,2</td>
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</tbody>
</table>

Recovered shepher huts
2.3 Sustainable tourism promotion

In this context, it is noteworthy the participation of the European Space Agency as a partner in the European project “Sensa - Ecotourism” - "Sustainable, Environmental
and Safe Tourism in Protected Areas", involving the preparation of digital information to help visitors.

The Nature Sports Charter is under preparation with the respective regulation and cartography which establishes the rules, places and activities that can be developed. It is an essential tool in the regulation of nature tourism in this territory.

**Axis 3 – Nature Conservation**

**3.1 Enhancing knowledge in the area**

In partnership with the University of Aveiro, the winter census of the population of Cabra-montesa of the RBTGX was made. This action as part of a monitoring program in place since 2011 lasted eight days, whereby routes in their area of distribution were traversed and fixed observation points were defined to count individuals and subsequently calculate population parameters.

As a result of a doctoral thesis we register the update of existing data on wildlife in the Database on Fauna of RBTGX.

Monitoring of losses attributed to wolfs continued through inspections made to sites where attacks happened, which in 2013 amounted to 1776.

**3.4 Planning, protection and restoration of flora**

In order to protect the habitats of native forest, vegetation cleanup actions were performed, resorting to bush trenching, planting and replacement in 901.52 ha. Restauration of burnt areas and combating invasive species were also undertaken, resorting to planting native species - oak, cork oak and birch, in a total of 100.97 ha.

Regarding the conservation of native climax forest habitats of *Quercus robur*, (Habitat - 9230 “Galician-Portuguese oak woods of *Quercus robur* and *Quercus pyrenaica*”) occurring in RBTGX, restrictions were implemented to the transit of motorized vehicles in Albergaria woods, the single habitat of its kind in Portugal. This conditioning took place between June 1st and September 30th. 66,558 vehicles crossed the Albergaria woods in this period.
Life project “TAXUS - Restore yew groves [9580 * Mediterranean Taxus baccata woods]” was launched, with the aim of contributing to the conservation and regeneration of yew forests existing in RBTGX. This project is being promoted by Quercus - National Association for Nature Conservation, a national environmental non-governmental organization, with the close collaboration of ICNF.

A project is ongoing on the conservation of the population of RBTGX autochthonous scots pine (Pinus silvestris), which includes the genetic study of the population, production in nursery of plants from this population and subsequent planting for conservation of this population.

**Axis 4 – Social participation and integration of the comunity and local actors involved in RBTGX**

**4.1 Public information and social participation**

The Strategic Council of PNPG held a meeting where, among other things, the cooperation among the entities present in the Biosphere reserve was debated with a view to maximize the development and promotion of the territory, under the aegis of RBTGX.
B. AZORES ISLANDS

The Azores Biosphere Reserves

Under the provisions of the Regional Legislative Decree No. 15/2012/A, of April 2nd, the biosphere reserves (BR) located in the Autonomous Region of the Azores are administered within the Natural Park of the island where they are located, and are coordinated by the Services of the Regional Directorate of Environment.

The Azores have three areas awarded under the MAB Programme, the Biosphere Reserve of Corvo Island, the Biosphere Reserve of Graciosa Island, both approved in 2007, and the Biosphere Reserve of Flores Island, adopted in 2009.

The area of each Biosphere Reserve includes all land area of the respective island and the surrounding marine area.
Biosphere Reserve of Corvo Island

Characteristics
Land area: 17.1 acres
Total area (including land area): 25,853 hectares
Population: 430 inhabitants
Main economic activities: Tourism; Birdwatching; Livestock farming and Fisheries

Biosphere Reserve of Graciosa Island

Characteristics
Land area: 60.7 acres
Total area (including land area): 12,173 hectares
Population: 4,391 inhabitants
Main economic activities: Livestock farming; Fisheries and Tourism

Biosphere Reserve of Flores Island

Characteristics
Land area: 141.0 hectares
Total area (including land area): 58,619 acres
Population: 3,793 inhabitants
Main economic activities: Livestock farming; Fisheries and Tourism

The management strategy of the Azores Biosphere Reserves aims to promote the sustainable development of local communities through projects and actions, with the aim of fulfilling the three basic functions of BR:

- The function to conserve genetic resources, of the species, ecosystems and landscapes;

- The role of development in order to promote sustainable economic and human development;

- A function for logistical support, encourage and support research, education, training and continuous observation of local, national and global interest activities that contribute to the conservation and sustainable development.

The Region's participation in the meeting REDBIOS on Principe Island and in the Exhibition and Conference "UNESCO Biosphere Reserves: Laboratories for Sustainable Development" were opportunities not only for the Region to
promote their biosphere reserves, its heritage, its people and customs, as well as to undertake a joint reflection on the state of the Azores BR, having arrived to the conclusion that, notwithstanding the work, there is need to strengthen our presence in the network, with the submission of an application of another island or group of islands, capable of assuring a critical mass that values and supports all the objectives of the MAB Programme in the Azores and therefore the Region is evaluating the possibility of new applications.

We hereby present the most relevant activities in each of the Biosphere Reserves.

1. **Biosphere Reserve of Graciosa Island** - part of the World Network of Biosphere Reserves since 2007 and managed by the Natural Park of the island where it is located, and supervised by the Services of the Regional Directorate of Environment.

- **1. Maintenance of the classified areas of the Biosphere Reserve of Graciosa (BRG), through techniques of "natural engineering".**

  Furna Maria Encantada, 2013.06.12

- **2. Contract signature for the use of brand and logo "Biosphere Azores" between the Regional Secretariat of Natural Resources (SRRN) and the Company Janela da Natureza Lda. (Graciosa Hotel and Carapacho Spa).**
3. Under the Exhibition of the Portuguese Network of Biosphere Reserves, held in the Portuguese Parliament between 2nd and 5th July, 13 volumes containing products from the RBG were dispatched to the Delegation of the Azores Tourism in Lisbon.

4. On December 2nd to the third ordinary meeting of the Management Board of RBG was held.

5. In October the Graciosa Natural Park began a collaboration with the group Social INATEL | Senior Tourism, by performing actions and briefing sessions, particularly as a Biosphere Reserve.

6. On November 3rd the Graciosa “Ecoteca” (Environmental Education Service of the Graciosa Natural Park) celebrated the Word Biosphere Reserves Day.
7. In January the certificates of "Green lodging - Miosótis Azores" 2014-2015 were awarded to four hotels and similar establishments of Graciosa Island, in particular the “Graciosa Hotel”, the “Boina de Vento”, the “Quinta dos Frutos” and the “Casa da Beira Mar”.

Other possible actions related to the promotion of the Biosphere Reserve Graciosa activities are, among others, the following:

8. Implementation of PRECEFIAS - Regional Plan for the Eradication and Control of Invasive Plant Species in Sensitive Areas of the biosphere reserve.

Caldeirinha, 2013.06.28

Ilhéu da Praia, 2014.04.30

[Image: Stranding of Delphinus delphis. 2014.01.07]


[Image: Projeto Arenaria, 2014.01.18]

[Image: IX Census of Common Buzzard 2014.04.05]
11. Support to the Department of Oceanography and Fisheries (DOP) / University of the Azores in the study and monitoring of seabirds in the Natural Reserve (RN) of Ilhéu da Praia, Core Zone of the Biosphere Reserve, particularly the population of Painho-of-Monteiro (*Oceanodroma monteiroi*).

RN Ilhéu da Praia, 2013.07.04

RN Ilhéu da Praia, 2014.01.24

12. Support to the Centre of Seismic-Vulcanic Information and Surveillance of the Azores / Center for Volcanology Geological Risk Assessment (CIVISA / CVARG) particularly in maintaining the system of monitoring the quality of air inside the volcanic cave Furna do Enxofre.

Furna do Enxofre, 2013.07.04
13. Starting February the Biosphere Reserve of Graciosa began collaborating with the Biodiversity Group of the Azores in “Long Term Ecological Study of Natural Forests of the Azores”, under the Project NETBIOME ISLANDBIODIV.

![Installation of SLAM traps. 2014.02.25](image1)

14. Conducting various activities in partnership with the Azores Geopark, such as the World Earth Day, European Geoparks Week, Live Science Program - Geology in the summer and Monitoring Geosites.

![Rota Maritima dos Geossitios, Maritim visit to Geosites 2013.08.06](image2)

![Monitoring Geosites 2014.04.04](image3)
15. Continuous display of the documentary "Graciosa Island Biosphere Reserve" at the Furna de Enxofre Visitors Centre.

16. Recuperation of the outdoor totem "Graciosa Biosphere Reserve", installed adjacent to the aerodrome of Graciosa, particularly with the publication of two new panels.

17. Promotion and implementation of numerous actions of environmental education and awareness, such as the Natural Park School and Public programs, Eco-Schools, SOS Shearwater Campaign, campaign Azores Between-Seas, the contest ECOparish, clean parish, the Azores
Waste Prevention Week, More Endemics; Partners for Sustainability; Green lodgings - Miosótis Azores; GreenSpiritAzores, Blue Flag and Beach Access for disables and other environmental Events.

Eco-Schools program

More Endemics program

EcoParish, clean parish

SOS Shearwater campaign

Azores Between-Seas Campaign.
Visita ao Ilhéu da Praia, 2013.06.08.
2. Biosphere Reserve of Corvo Island - part of the World Network of Biosphere Reserves since 2007 and managed by the Natural Park of the island where it is located, and supervised by the Services of the Regional Directorate of Environment.

1. Performing maintenance and reforestation work in the Biological Reserve of Corvo (RBC), a structure created under the Life project “Safe Islands for Seabirds” in particular, using techniques of “natural engineering”.

European Day of Natural Parks 2013

Wetlands World Day 2014
Performing maintenance work and clearance of areas of the Interpretive Trail. Cleaning and maintenance of trails (Cara do Índio and Caldeirão) inserted in the Biosphere Reserve.

2. Placing a wood fence for protection of the shoreline (hillside overlooking the Cais do Porto da Casa) which is located at the end of Rua do Rego. The costs of the work were supported by the Regional Directorate of Maritime Affairs (DRAM).

Contract signature for the use of brand and logo “Biosphere Azores” between the Regional Secretariat of Natural Resources (SRRN) and the Company “Manuel Rita, Empreendimentos Turísticos Lda.” (Residencial Comodoro).

3. Under the Exhibition of the Portuguese Network of Biosphere Reserves, held in the Portuguese Parliament between 2nd and 5th July, 2 volumes containing products from the RBC were dispatched to the Delegation of the Azores Tourism in Lisbon.
4. Collecting seeds of priority species for production in the greenhouse for replanting in several areas of RBC.

5. Conducting Census of Birds (Common, Coastal, Wintering and Migratory birds and terns Census) in collaboration with SPEA (the Portuguese Society for the Study of Birds).

6. In July carrying out a guided tour for a group of people of Flores to the protected areas of the Corvo Natural Park and the RBC, as an exchange tour between the Corvo Island Natural Park/and Biosphere Reserve and Flores Island Natural Park/and Biosphere Reserve.

Other activities from Corvo Island Biosphere Reserve:

7. Support to the Department of Oceanography and Fisheries (DOP) / University of the Azores in the Mission
Monizec Corvo - 2013, promoted by the IMAR/University of Azores, with the ship from the environmental services of Corvo “Maré Viva I”.

8. Implementation of PRECEFIAS - Regional Plan for the Eradication and Control of Invasive Plant Species in Sensitive Areas - at the Biosphere Reserve.

*Carpobrotus edulis* eradication.

9. Recovery and rehabilitation of plaques and signs at the trails in the Biosphere Reserve.

10. Training in good environmental practices, given to the team of Commodore Guest House, by the program Miosótis Azores - Green Lodgings

Slide from the good practices training

11. Between 27th and 29th January, participation along with Mr. Regional Director for the Maritime Affairs, on the 1st Executive Meeting - Actions Post Project LIFE NAT07/P/000649 - “Safe Islands for Seabirds”
12. On November 3rd the “Ecoteca” of Corvo celebrated the World Biosphere Reserves Day with the realization of Nocturnal Brigades and bird ringing sessions in the context of SOS Shearwater Campaign - 2013.

Bird ringing session with public participation

13. In January the certificates of “Green lodging - Miosótis Azores” 2014-2015 were awarded to one hotels of Corvo Island, namely the Gest House Comodoro.

14. Twice (February and April) was given the collaboration to the program “My Azores, my loves” - Senior Tourism by performing actions /outreach sessions of Corvo Island Biosphere Reserve.

Guided tour of the Senior Tourism group to the Environmental and Cultural Interpretation Centre of Corvo
15. Conducting various activities in partnership with the Azores Geopark, such as the World Earth Day, the European Geoparks Week and Monitoring Geosites.

16. Continuous display of the documentary “Corvo, the Biosphere Reserve” on of the island Corvo Aerogare

17. Restructuring of the Muppi “Welcome: Corvo a Biosphere Reserve”, installed adjacent to the aerodrome and installation of a panel inside the air terminal.
3. Flores Island Biosphere Reserve - part of the World Network of Biosphere Reserves since 2009 and managed by the Natural Park of the island where it is located, and supervised by the Services of the Regional Directorate of Environment.

1. Maintenance / recovery the viewpoints, trails and signs in the Biosphere Reserve of Flores Island (RBF).

2. Under the Exhibition of the Portuguese Network of Biosphere Reserves, held in the Portuguese Parliament between 2nd and 5th July, one volume containing products from the RBF was dispatched to the Delegation of the Azores Tourism in Lisbon.
3. On November 3rd, the Biosphere Reserves World Day and coinciding with the opening of the Natural Park program “Open Park”, the Lagoa Funda descend trail was held at Natural Reserve of Lagoas Funda e Rasa, which integrates the Biosphere Reserve of Flores Island.


5. Starting February began the collaboration with the Biodiversity Group of the Azores in "Long Term Ecological Study of Natural Forests of the Azores", under the Project NETBIOME ISLANDBIODIV.

09/2013  SLAM trap instalation

01/2014  First collection
6. Promotion and implementation of numerous actions of environmental education and awareness, such as the Natural Park School and Public programs, Eco-Schools, SOS Shearwater Campaign, campaign Azores Between-Seas, the contest ECOparish, clean parish, the Azores Waste Prevention Week, More Endemics; Partners for Sustainability; Green lodgings - Miosótis Azores; GreenSpiritAzores, Blue Flag and Beach Access for disables and other environmental Events.
Signs of the SOS Shearwater Campaign

The Regional Secretariat of Natural Resources annually promotes the SOS Shearwater Campaign targeting the Azorean population to alert to the need for preservation of this protected species which nests in the Azores.

At the start of the SOS Shearwater Campaign 2013 the Biosphere Reserve undertook the production and placement of informational signs on the road “Circulate with Caution! - SOS Cory’s Shearwater “, aiming to alert drivers to reduce the speed of traffic in the area in order to reduce the roadkill of these birds along the roads of the island. These boards will be on the streets for a month, during which the campaign takes place in the Azores.

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Wetlands World Day 2014
“Open Park” program:

Visit to the Biosphere Reserve with the elected representatives of Santa Cruz das Flores

Photographic session and debate about the Biosphere Reserve of Flores Island

Program “Azores Between-Seas” and the European Day of Natural Parks in 2013:
Exchange tour between the Biosphere Reserve of Corvo and the Biosphere Reserve of Flores

Presentation of the National Strategy for the Sea 2013/2020

Cleaning shoreline areas

Commemorative dates and other activities in which we participate as partners or organizers:

Vegetarian Workshop - January 25th
Women’s Day - March 8th - Walking path and reception with tea in the "House of the Cedars”

Workshop for recycling T-shirts - March 20th

Water Day - March 29th - Walking path up to a water tank and lecture alerting to the importance of water conservation and its sustainable use.
Balance Session - April 12th - practice sports and contemplate nature.

Earth Day - 22nd and April 24th - The Environmental Interpretation Center of Boqueirão invited the elderly from the day centers of the two Island Counties for a guided tour of the exhibition and to watch the documentary about the Biosphere Reserve of Flores Island.

Gymnastics adapted - May 10th - at the Ponta Delgada Picnic Park, by the shoreline of this parish, belonging in the Biosphere Reserve - at the Protected Area for Management of Habitats and Species of the Northeast Coast, and with a privileged view of the sea.
C. MADEIRA ISLAND

1. Biosphere Reserve of Santana – Madeira - part of the World Network of Biosphere Reserves since 2011 and managed by the Municipality of Santana (Madeira).

Apart from the continuation of projects developed, the biosphere reserve of Santana guided its actions by outlining strategies for local action based on the guidelines set by UNESCO.

Some initiatives whose main theme is the "biosphere reserve" and which are not undertaken by the managing body of the reserve are examples that the biosphere reserve is increasingly a resource used by local actors.

Accordingly the following actions can be reported in summary:

1. **Launch of the website**
   [www.santanamadeirabiosfera.com](http://www.santanamadeirabiosfera.com)

   Arguably it is the best channel for advertising and portraying the biosphere reserve in all its actions and projects. It presents itself as the most visible face of the whole dimensions in either local, regional, national and international level.
2. Development and assignment of a local Certification System, Sustainable Development System (SDS)

SDS allowed the sustainable exploitation of natural resources of the biosphere reserve, harmonizing processes among various economic and civil agents. This "green label" consists of the verification of compliance with norms and of an assessment of productive efficiency. Simultaneously it certifies and publicly demonstrates respect for the authenticity, valorisation of local products, the environment and social responsibility, while providing increased public visibility and credibility.

The project overall goals comprise: preservation of natural, cultural and landscape heritage; promotion of environmentally sustainable development practices; foster growth and diversity of the local economy; respect, value and empower the local community; contribute to quality of life of workers; satisfy customers regarding their involvement in the system and in service quality; create added value to the reserve area.

29 certifications were awarded to companies located in the area of the biosphere reserve in the following sectors: handicraft, restaurants, hotels, bakery, taxis and other services.

3. Biosphere Reserve schools exchange

A student exchange between the 2nd and 3rd cycle of the Primary School of São Jorge (Madeira) and the Primary and Secondary School of Graciosa (Azores) took place subordinated to the UNESCO Biosphere reserves theme enabling the exchange of experiences between institutions and territories with the same status.

Students from EB2/3 cycles of São Jorge in the Biosphere Reserve of Graciosa
4. **Awareness raising actions in schools**

Throughout the academic year 2013/2014 the biosphere reserve participated in actions in the county schools, and received schools from other municipalities (Funchal Calheta, Câmara de Lobos), making the teaching and educational process more comprehensive and enjoying the real opportunity of learning and understanding subjects such as: environment, flora, heritage, agriculture, ethnography, culture, tradition, and much more, all in a true relationship between Man and the Environment.

5. **Launch of International Year of Mathematics**

Taking advantage of the visit of the representative of the UNESCO National Commission, Ms. Elizabeth Silva, and of the President of the Portuguese Committee for the International Geoscience Programme of UNESCO, Professor Artur Sá, the International Year of Mathematics of Planet Earth was launched, with the collaboration of Professor Ana Paula Jardim of the University of Madeira.

The Biosphere Reserve of Santana Madeira joined the encouragement and dissemination of the event next to local schools, and in collaboration with the Regional Office of Education next to other schools in the Autonomous Region of Madeira.

6. **Participation in the Show and Conference "UNESCO Biosphere Reserves: Sustainable Development Laboratories (2 to 4 july, National Parliament)"**

As sete Reservas da Biosfera portuguesas fizeram as suas apresentações individuais tendo a Reserva de Santana enumerado os principais frutos colhidos durante estes dois últimos anos.

This initiative was jointly organized by UNESCO National Commission and the Institute for Nature Conservation and Forests (ICNF) and with the support of the National Parliament. Inauguration was attended by parliamentarian and Chairman of the Parliamentary Committee for Education, Science and Culture, Mr. José Ribeiro e Castro, parliamentarian Mrs. Maria José Castelo Branco, Ms. Elizabeth Silva and Ms.
José Maria Pires on behalf of UNESCOs National Committee and the liaison officer of the national MAB Committee Ms. Anabela Trindade. The seven Biosphere Reserves of Portugal made their individual presentations. Santana Biosphere Reserve enumerated the major achievements during the last two years.

7. XI meeting of REDBIOS

Biosphere Reserve of Santana Madeira attended the XI meeting of the Network of Biosphere Reserves of the East Atlantic and Macaronesia (REDBIOS) which took place, from the 3rd to the 10th of May, in Santo António do Príncipe, Island of Principe, Sao Tome and Principe. Under the theme "Biosphere Reserves - Models of Sustainable Development" it was attended by the representatives of UNESCO to the MaB committee, Dr. Miguel Clusener-Godt, of the UNESCO National Commission, Ms. Elizabeth Silva, as well as by the Biosphere Reserves of Azores, Guinea (Bijagós), La Palma, Fuerteventura and government representations of Spain and Cape Verde.

8. III meeting of the network of Reserves in Islands and Coastal Areas

Biosphere Reserve of Santana Madeira attended the third meeting of the Network of Reserves in Islands and Coastal Areas which took place between 3rd and 7th June in
Hiiumaa and Saaremaa islands, Estonia. With the aim of promoting the exchange of experiences and knowledge, this meeting was attended by the representatives of UNESCO to the MaB committee, Dr. Miguel Clusener-Godt, as well as from several reserves that comprise this network and that represented countries like Finland, Sao Tome and Principe, Brazil, Jamaica, Haiti, Chile, Mexico, Maldives, Indonesia, Philippines, China, Korea, Japan, China. This meeting addressed the common issues faced by islands and coastal areas, such as climate change and resource management. There was also room to debate over strategies for sustainable development and heritage preservation.

Biosphere Reserve of Santana Madeira was invited to present projects and activities developed and showcased as good practices.

Santana Madeira Biosphere presentation in Estonia


A special edition of the magazine “Olhar da Biosfera (Biosphere Look)”, in the framework of the celebrations of its second aniversary at the 29th june, which aimed to disseminate the fruits of its two years of existence.

Capa revista “Olhar da Biosfera – Frutos da Reserva 2 anos”
10. Biosphere Center of Arco de São Jorge

The reserve has expanded its network of biosphere centers by creating another center located in the parish of Arco de São Jorge, installed in the Museum of Vine and Wine. This third center functions include the promotion, information, local products sale, merchandising, scientific research and environmental education as well as enhancing the agricultural component more precisely viticulture. The Regional Secretary for Culture, Tourism and Transport chaired the inauguration which was also attended by the Director of Cultural Affairs.

11. XXI Regional Meeting of Recurrent Education

The Biosphere reserve of Santana Madeira supported and was the scene of celebrations of the twenty-first Regional Meeting of recurrent education, an event organized by the Regional Office of Education and Human Resources/Regional Directorate of Education. This annual gathering, now counting 21 editions, celebrated the culmination of another school year in recurrent education and aimed, on the one hand to provide a time of fellowship and exchange of experiences and on the other to provide a better understanding of regional environment and culture to the students and teachers of the first cycle of Basic Recurrent Education, taught in schools and charities in the various municipalities of the Autonomous Region of Madeira. The Collective Exhibition: Biosphere... a treasure to preserve was integrated in these celebrations. The Exhibition included work done by students with the collaboration of teachers of recurrent education in the Civic Centre of Santana, in the context of a challenge launched for the celebrations of the designation of the World Biosphere Reserve.

Poster of the event
12. Seminar "Santana Biosphere Reserve"

“Santana Biosphere Reserve” Seminar, took place in 5, 6 and 7 july, and was promoted in the framework of the celebrations of the 30 years of the Primary and Secondary School Bispo D. Manuel Ferreira Cabral. 60 students and 19 speakers attended the seminar which involved several activities.

This initiative was organized by the Primary and Secondary School Bispo D. Manuel Ferreira Cabral in partnership with the municipal company Terra Cidade. It was particularly directed to teachers and the school community in general. To make this event more attractive, apart from lectures, other activities held included a biological guide, night and daytime astronomical observation, walking trail in Laurel forest and a visit to the biosphere center Rocha do Navio. These three days were intended to inform the publicize the Biosphere Reserve of Santana from a natural, historical and cultural point of view; sensitize the general public to preserve the Reserve and enhance activities on behalf of the county.

13. II Trail Santana Madeira Biosphere

In order to promote sport for all, Madeira Adventure Club organized the second edition of this event in three distances which took place simultaneously, Trail Santana Madeira Biosphere (TSMB-32KM), Trail Rural Santana (TSR - 19km) and Mini Trail TSMB/Tour - 11km. This event took place on 15 September with the participation of more than three hundred athletes.
14. "Biosphere Garbage Collection"

For a long time routes and paths crossing the Biosphere Reserve of Santana are used for the practice of geocaching, an activity which combines adventure and outdoors and is equated with a treasure hunt of modern times. Geocacher community of Madeira organized an event in the form of CITO (Cache In Trash), which combines the practice of geocaching with cleansing the routes utilised, thus appealing to the environmental awareness of the practitioners of this activity, while contributing to the preservation of nature. This initiative was conducted in the path between Caldeirão Verde and Caldeirão do Inferno. Beyond appealing to environmental awareness and sensitize all stakeholders, this activity also contributed to the preservation and conservation of nature in the whole area of the biosphere reserve.

15. Biosphere Reserve promotion actions

Actions to promote the Reserve involved mainly the utilization of a variety of media, such as: radio with specific programs on the reserve (“Cultural Citizenship” program of Radio Zarco and “People's Market” of Radio Popular FM); television “Public Space” of RTP-Madeira; creation of dissemination posters placed in strategic locations such as the maritime station of the Port of Funchal, Madeira International Airport and Lobo Marinho ship (connection to Porto Santo) and the creation of bilingual brochure and posters.

Another resource was used by the reserve: production of a short film called "The Tree of Pan", whose major goal was to raise awareness for the importance of man finding harmony and balance by returning to nature, respecting it and ending the rampant exploitation of natural resources that we have witnessed in recent times. The promotion of this short film allowed for the participation in various international film festivals in Europe and the United States: the UK Cultural Week; Edinburgh Film Festival; Ojai Film Festival (California); Stars of Denver Film Festival (Colorado); San Luis Film Festival.
Press release

In the framework of the strategic guidance of the Scientific Programme "Man and Biosphere" of UNESCO, an exhibition on the activities of the Portuguese Biosphere Reserves of the World Network of Biosphere Reserves by UNESCO will be inaugurated tomorrow, July 2nd, at noon, in the Foyer of the New Building of Parliament. The exhibition will be inaugurated by the President of the Parliamentary Committee for Education, Science and Culture, Mr José Ribeiro e Castro.

Portugal has seven Biosphere Reserves: Boquilobo, Corvo, Graciosa, Flores (Azores), Santana (Madeira), Berlengas (Peniche) and Transboundary Reserve Gerês/Xurés. To promote and strengthen the cohesion and dynamics of these Reserves, the National Commission of UNESCO, created under its auspices, the Portuguese Network of Biosphere Reserves.

A Conference on "Biosphere Reserves: Sustainably Laboratories", will be held on July 3rd, at 9.30 am, where the seven Biosphere Reserves will be presented and the activities developed in these territories highlighted. The Portuguese Network of Biosphere Reserves and information on cooperation established in the CPLP (program attached) area will also be presented.
The National Commission for UNESCO (coordination), the Parliamentary Committee on Education, Science and Culture of Parliament and the Institute for Nature Conservation and Forests are responsible for both events. It also has the support of the Parliamentary Committee of Economy and Public Works and the Environment, Planning and Local Government.

Contacts:

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ADITIONAL NOTE:

From a scientific, environmental, social and developmental approach, UNESCOs program "Man and Biosphere” (MaB) aims to improve relations between people and the environment as well as reducing the loss of biodiversity, based on sharing of scientific knowledge on these issues.

In this sense, Biosphere Reserves are places of excellence established by member states of UNESCO and recognized by MaB Programme, as promoters of sustainable development based on science and in the efforts of local communities to reconcile the conservation of biological and cultural diversity with economic and social development. Innovative practices for the sustainable development of its territories are tested in these Reserves, involving local communities and seeking its welfare in harmony with biodiversity.

During the show, the activities of Biosphere Reserves in what regards science, education, culture and economy will be promoted with a special focus on tourism. Each Biosphere Reserve will have a dedicated day, in which in specific cultural moments and tastings will be promoted daily.

MOstra das Reservas da Biosfera

Dia 2 - Inauguração da Mostra – 12h00
Da geococció da RB de Santana Madere e RD de Berlingas

Dia 3 - Colóquio sobre as RB Portuguesas.
Dia dedicado às RB dos Açores e à RB Transfronteiriça do Gerês / Xurés
Dia 4 - Dia dedicado à RB do Boquilobo

Colóquio

"Reservas da Biosfera da UNESCO: Laboratórios de Desenvolvimento Sustentável"

09h30 - Sessão de abertura
Deputado José Ribeiro e Castro - Presidente da Comissão Parlamentar de Educação, Ciência e Cultura / Representante da Senhora Presidente da Assembleia da República
Embaixada Ana Martinho - Presidente da Comissão Nacional da UNESCO / Portugal
Engº Paulo Sarmento - Presidente do Conselho Diretor do Instituto da Conservação da Natureza e das Florestas, I.O.

10h00 - Apresentação da Rede Portuguesa de RB da UNESCO
Drº Elisabete Silva - Responsável pelo Setor das Ciências/Coordenadora da Rede Portuguesa de Reservas da Biosfera

10h10 - Apresentação da RB do Boquilobo
Drº Maride Jesus Fernandes - Diretora do Departamento de Conservação da Natureza e Florestas de Lisboa e Vale do Tejo

10h20 - Apresentação das RB dos Açores
Engº Manuel Venzoso - Diretor de Serviços da Conservação da Natureza, da Direção Regional do Ambiente

10h30 - Pausa

10h45 - Apresentação da RB Transfronteiriça do Gerês / Xurés
Engº Rogério Rodrigues - Diretor do Departamento de Conservação da Natureza e Florestas do Norte
Dº Rogério Fernandes - Subdirector do Núcleo de Espaço Natural e Biodiversidade

10h55 - Apresentação da RB de Santana Madere
Drº Regina Ribeiro - Diretora de Comunicação e Imagem Territorial da Empresa Municipal Terra de Cidade Membro da Unidade de Gestão da Reserva

11h05 - Apresentação da RB das Berlingas
Dº Antonio José Correia - Presidente da Câmara Municipal de Peniche

11h15 - Apresentação sobre REDBIOS: cooperação das RB Portuguesas no espaço da CPLP
Profº Doutor António Domingos Abreu - Representante da REDBIOS UNESCO / Bastardário da Ordem dos Biólogos

11h30 - Debate e encerramento

Organização

Apoiado Institucional