

## Gulbenkian Environment Programme

	Amounts in euros
Personnel costs	40 756
Own initiatives	157 446
Subsidies and grants	217 064
<b>Total</b>	<b>415 266</b>
Receipts	25 000

The Gulbenkian Environment Programme (GEP) was set up in 2007, under the scientific coordination of Viriato Soromenho-Marques. Its field of intervention focuses on analysing the various aspects of the environmental crisis, with priority being attributed to the following areas: environment and citizenship; environment and health; and environment and innovation.

In 2008, the GEP continued to undertake activities promoting information, reflection and debate in relation to its chosen themes, and supported research projects and the dissemination of knowledge.

### Areas of intervention

#### Environment and citizenship

On 19 February, a lecture was given on the subject of “Creating a Society and an Environment for Global Human Survival”, by Timothy O’Riordan (University of East Anglia), an initiative that formed part of the “Coping with the Global Environmental Crisis” lecture cycle.

Included in the same cycle and taking place on 16 October was the lecture “Climate Change: Risks and Responses”, by Hans Joachim Schellnhuber, the director of the Potsdam Institute for Climate Impact Research (PIK).

At the time of the commemorations of the tenth anniversary of the National Council for the Environment and Sustainable Development (CNADS), a partnership was set up between this organisation and the GEP, culminating in the holding of the international conference on “Building Consensus for Sustainability – the National Councils for Sustainable Development”, held on 29 April.

Participating in this session were a range of different Portuguese and foreign experts: Dereck Osborn (Sustainable Development Observatory, eesc); Roman Haken (European Economic and Social Committee – rapporteur on the own-initiative opinion “The Role of the National Councils for Sustainable Development”); Michel Ricard (University of Bordeaux and Conseil National pour le Développement Durable), and Viriato Soromenho-Marques.

The monthly showing of “Futuro Comum” (Common Future), a new television programme about the environment, began in February on the RTPN channel.



✦ Signing of the protocol between the Calouste Gulbenkian Foundation and the RTP for the production and broadcasting of the television programme “Futuro Comum” (Common Future), 18 February, 2008.

This initiative formed part of a partnership between the FCG/GEP and RTP designed to raise public awareness about the size and complexity of the global environmental crisis, and particularly about its impact in Portugal. The programmes had the following themes and participants:

› On 27 February, the theme of “Climate Change” was discussed, with the participation of Viriato Soromenho-Marques (who featured in all the programmes), Filipe Duarte Santos, Francisco Ferreira and Pedro Martins Barata.

› On 26 March, the theme was “Energy and its Environmental, Economic and Social Implications”, with the following guests: António Costa Silva and Carlos Pimenta.

› On 30 April, the theme was the “Sea and Oceans”, with the participation of Mário Ruivo, António Sá da Costa, João Falcato, Emanuel Gonçalves and Tiago Pitta e Cunha.

› On 28 May, the theme of “Forest Fires and the Environment” was discussed by specialists in forestry and fire prevention policy: Tiago Oliveira and José Miguel Cardoso Pereira.

› On 25 June, the theme discussed was the situation of “Biodiversity in Portugal”, with José Lima Santos and Nuno Ferrand de Almeida.

› On 30 July, the theme of “Mobility and Transport” was discussed with the participation of Fernando Nunes da Silva, José Manuel Viegas, João Francisco dos Reis Simões, Rosário Macário and João Joanaz de Melo.

› On 1 October, the theme was “Land, Agriculture, Forestry and Desertification”, with the participation of Eugénio Sequeira, Victor Louro, Maria Teresa Pinto Correia and Manuel Mota.

› On 30 November, the eighth programme discussed the theme of “The Media”, with statements by the following journalists and editors: Henrique Monteiro, Ricardo Garcia and José Pedro Frazão, as well as contributions by Luísa Schmidt and José Manuel Alho.

› On 31 December, the last programme dealt with the theme of the “Major Issues and Tasks for a Sustainable Future”, with the participation of Hans Joachim Schellnhuber and Filipe Duarte Santos.

The second edition of the “AGIR – Environment (Gulbenkian Environmental Information and Realisation Activities)” competition was dedicated to the binomial “biodiversity and lifestyles”, seeking to stimulate society’s capacity for initiative, namely at schools, universities and non-governmental organisations. This competition was held under the auspices of the United Nations’ challenge for the realisation of the Decade of Education for Sustainable Development (2005-2014).

The competition remained open from 7 July to 30 September 2008, with 15 projects being selected. Their activities, to be undertaken until 31 July 2009, are as follows:

- › MoBIDiC – School Programme for Monitoring Intertidal Biodiversity and its Scientific Dissemination, proposed by CIMAR – Associated Laboratory, Porto.

*Description and objectives:* MoBIDiC is a programme that works with schools to collect data about marine life on Portugal’s rocky beaches, seeking to reconcile scientific needs with scientific dissemination and the education of young students. This programme involves continuous bi-annual sampling campaigns, carried out with the participation of the students and teachers involved in the project.

- › IPBio – IPBeja for Biodiversity, proposed by the Centro de Estudos Vasco da Gama (Centre for Studies and Development of Beja Polytechnic Institute).

*Description and objectives:* IPBio is designed to alert the students of Beja Polytechnic Institute (IPB) to the need to preserve biodiversity, as an asset in itself and as a heritage and source of resources for humankind. The main aim of the project is to raise the awareness of IPB students about the importance of adopting a lifestyle that takes the conservation of biodiversity into consideration.

- › Environmental Citizenship – from the Child to the Adult, proposed by ICE – Educational Communities’ Institute (Setúbal).

*Description and objectives:* The project is being conducted in the Santo André and Sancha Lagoons Nature Reserve, with the aim of transforming children into active participants in the defence and promotion of nature, through a set of activities for the exploration and appropriation of the Nature Reserve formed around these lagoons, the exchange of ideas with adults and the understanding of waste situations. It includes the publication of a brochure that will relate the main recommendations in this field.

- › Clube Bigeo – Environmental Action Projects, promoted by Odemira Secondary School.

*Description and objectives:* The aims of the Clube Bigeo’s environmental activities are: (1) to develop amongst students the skills inherent in the planning, undertaking and dissemination of scientific experiments that contribute to the knowledge and conservation of biodiversity at a local level; (2) to develop amongst students, with the contribution of parents and other citizens, concrete actions to change situations or behaviours that are harmful to the environment and threaten biodiversity; (3) to promote recreational and didactic activities that raise the awareness of children and young people to environmental issues.

- › “Knowledge and the Environment” project, promoted by the “Aldeia” Association (Vimioso).

*Description and objectives:* This project, which is taking place in the Alto Alentejo, aims: (1) to propose greater knowledge and analysis of themes in the area of nature conservation; (2) to provide guidelines for the integration and contextualisation of the different environmental themes in local rural traditions; (3) to foster personal and collective memories, in order to reinforce the organisation and conservation of the natural heritage of the community of Campo Maior; (4) to promote intergenerational relationships based on the sharing of knowledge and values.

- › Cabeço da Lenha (Madeira) Environmental Education Camp – Raising the Awareness of Tourism Professionals and their Descendants, promoted by the Association of the Friends of the Funchal Ecological Park.

*Description and objectives:* With this project, the Association of the Friends of the Funchal Ecological Park seeks to foster the continuation of environmental education from an intergenerational perspective, promoting the reforestation of the park with indigenous species planted exclusively by volunteers and the development of a nature discovery trail, as well as to raise awareness about to relationship between the forest and water resources. The environmental education activities are aimed at tourism professionals who acquire experience and knowledge about the natural heritage of Madeira, thus becoming fundamental agents for transmitting this information to visitors.

- › CAPTAR – Science and the Environment for All, promoted by the University of Aveiro.

*Description and objectives:* CAPTAR seeks to lay the foundations for the creation of an online periodical publication, in Portuguese, in the area of natural sciences and the environment, bearing in mind that building a bridge between education and science and between education and the environment is fundamental in changing the attitudes of citizens and in their capacity to take decisions about the costs and benefits of scientific and technological progress.

- › @ambiente project, promoted by the Santa Casa da Misericórdia of Caminha.

*Description and objectives:* the general aim of the @ambiente project is the development of a pro-environmental citizenship amongst pre-school children in the municipality of Caminha; the idea is that, by July 2009, the community in general, and pre-school children in general, will be made aware of the importance of preserving the environment, questions relating to health and a healthy diet, the need for responsible citizenship as the guarantee of a healthy environment and the importance of water as a resource that is scarce and essential for life.

- › “Increase the Biodiversity of Your School and City! Building of Nest Boxes and Bird Feeders”, promoted by the Portuguese Society for the Study of Birds (SPEA).

*Description and objectives:* The main aims of this project are: (1) to increase the diversity of bird species in the green spaces of teaching establishments or neighbouring city parks and (2) to increase the breeding success rate of rare birds or birds whose numbers are declining in urban conglomerates. The project will be implemented at schools in eight towns and cities in the North of Portugal (Viana do Castelo, Vila Nova de Famalicão, Porto, Santo Tirso,

Vila Nova da Feira, Castro d’Aire, Seia and Aveiro) and will involve the building of nest boxes and bird feeders, and their monitoring throughout the school year.

- › “Stories of Salt and Water”, promoted by the University of Aveiro.

*Description and objectives:* The aim of this project is to undertake an environmental education activity (centred around three distinct actions) that helps to raise the environmental awareness of the target audience, helping them to understand the importance of salt-pits, not only at the environmental level, but also at the cultural, social and historical level. The activity is in the nature of a pilot scheme, with its main aim being the inclusion of this local theme (with a national dimension) in the school curricula.

- › BIO-LOCAL – Diversity of Local Schemes for Biodiversity, promoted by the Municipality of Moita.

*Description and objectives:* BIO-LOCAL brings together initiatives for raising awareness about biodiversity, undertaken at a local level and seeking to show that it is possible to work on matters relating to biodiversity at a local level, involving partners from civil society and the school community. To this end, three new partnerships will be formed: with Quercus – ANCN, in the area of local and regional biodiversity; with the “Colher para Semear” (“Reap to Sow”) Association, in the area of agricultural biodiversity; and with Fenacoop – National Federation of Consumer Cooperatives in the area of raising consumer awareness and from the viewpoint of the European “Businesss and Biodiversity” initiative. All the activities in these three areas will be undertaken in association with a local school from the 2nd and 3rd cycles of basic education and a local nursery school/spare time activity centre.

- › “School Allotments – Pedagogical Training”, promoted by Montijo Municipal Council.

*Description and objectives:* The “School Allotments” project seeks to provide teachers with the knowledge and tools needed to successfully implement an organic allotment in a school context, based on 15 schools in the community that already have spaces properly divided into allotments.

- › “Different Realities, The Same Nature” project, promoted by the Mértola Heritage Protection Association.

*Description and objectives:* This project seeks to create an exchange between young people living in the area of the Guadiana Valley Natural Park and young people from the Sintra-Cascais Natural Park, with the aim of encouraging the development of knowledge about the territory, its different (rural and urban) realities and implicit lifestyles, and understanding how these impact upon the natural environment and its associated biodiversity.

- › “Ecological Coastal Trails – Resources and Heritage”, promoted by Dr. Joaquim de Carvalho Secondary School (Figueira da Foz).

*Description and objectives:* The aims of this project are: (1) to promote interaction between scattered communities and increase the knowledge and understanding of natural, cultural and citizenship values through walks along nature preservation trails; (2) to publicise these nature trails in an integrated manner and to intervene in the ones already in existence, raising the awareness of the local populations for the need to preserve biotic resources; (3) to equip the trails with route markers and information boards for students, under the guidance of teachers, technicians and specialists; (4) to present the routes

of these trails to the local populations, together with exhibitions of artistic works produced by the students at the local parish council offices.

› “Biodiversity in Style”, promoted by the Environmental Biology Centre of the Faculty of Sciences of the University of Lisbon.

*Description and objectives:* The project, which is to be undertaken in association with the Lisbon Municipal Council and the Sociology Research and Studies Centre of iscte, has the following objectives: (1) to promote the exploration of the concept of “biodiversity” and its interconnection with different urban lifestyles; (2) to recognise the importance of biological diversity in urban environments; (3) to understand the main effects of human action on biodiversity; (4) to identify behaviour that encourages the maintenance of biodiversity; (5) to reflect upon the relationship between individual behaviour and the promotion of biodiversity; (6) to strengthen the publicising of the theme through the use of innovative languages amongst diversified audiences.



✦ Aspects of the public session for the presentation of the Gulbenkian/Lisbon Oceanarium Award, awarded under the scope of a partnership between the Foundation and the Lisbon Oceanarium, 16 September, 2008.

With the aim of contributing to the preservation and recovery of national marine ecosystems, the Calouste Gulbenkian Foundation and the Lisbon Oceanarium decided to set up the Gulbenkian/Oceanarium Award for “Sustainable Governance of the Oceans”, with the establishment of a cooperation protocol for this purpose.

A period was opened for the presentation of applications between 11 April and 2 June 2008, with 12 applications being received.

On 16 September, this protocol was signed at a public session and the award was presented to Lia Maldonado Teles de Vasconcelos, of the Department of Environmental Sciences and Engineering/Institute of Marine Research – IMAR (Faculty of Sciences and Technology of the New University of Lisbon), responsible for the winning project entitled “MarGov – Collaborative Governance of Protected Marine Areas – Ecosocial Dialogue in the Empowerment of Agents of Change for the Sustainability of the Oceans. The Case-Study of the Professor Luiz Saldanha Marine Park”.

Support continued to be given to 11 projects funded under the scope of the 2007 “AGIR – Ambiente” competition.

## Environment and health

An international conference on the theme of “Smoking-free Areas: the Indisputable Implications for Health” was held on 12 March, co-sponsored by the Luso-American Development Foundation and the Faculty of Health Sciences of the University of Beira Interior, at which public policies designed to prevent the negative effects of smoking, in particular passive smoking in enclosed public spaces, were debated.

The participants at this conference included Portuguese and international specialists on the subject, namely: James Repace, an expert on indoor air quality and risk assessment, Manuel Nebot (Public Health Agency, Barcelona), José Manuel Calheiros (Faculty of Health Sciences, University of Beira Interior), and José Precioso (Institute of Education and Psychology, University of Minho).

The conference on “Healthy and Sustainable Buildings” was held on 23 September. The improvement of buildings with a view to ensuring their sustainability is one of the most important elements in the response of contemporary societies to the environmental crisis. The following specialists took part in this conference: Eduardo Oliveira Fernandes (Faculty of Engineering of the University of Porto), Giovanni Viegi (Institute of Clinical Physiology, Italy) and Ricardo Sá (Edifícios Saudáveis Consultores).



✦ Conference on “Healthy and Sustainable Buildings”.  
Speech by the trustee Isabel Mota, 23 September, 2008.

At this conference, debate centred upon the aspects of buildings relating to the environment, energy and public health, with a case-study being made of the headquarters of the Calouste Gulbenkian Foundation, which has been completely transformed in order to be classified as a healthy building.

Support continued to be provided to the three projects approved in 2007 under the scope of the “Environment and Health” competition.

## Environment and innovation

Under the auspices of the International Polar Year 2007-2008, the GEP supported the PERMADRILL project – 2007 (Permafrost Drilling in the Maritime Antarctic) designed to monitor the permafrost – as one of the most reliable means for detecting the evolution of the process of climate change

– and the active layer. Two boreholes of 20 and 25 metres in depth were drilled on the islands of Livingston and Deception. In keeping with this project, a conference was held on 17 June on “Climate Change and the Frozen Soil of the Antarctic”. The documentary “Further South. In Search of the Frozen Soil of the Antarctic” was also shown, with commentaries by Gonçalo Vieira and Cristina Teixeira, followed by the presentation of papers by Vanessa Batista and Gonçalo Vieira, all of whom are researchers at the University of Lisbon.

From 13 to 15 October, the course on “Knowledge Assessment Methodologies” was held under the scope of the protocol established between the Calouste Gulbenkian Foundation and the Joint Research Centre – European Commission (JRC), with the participation of 25 trainees.

This course dealt with the knowledge assessment methodologies used in environmental policy-making processes, more concretely in the case of forest fires. It was aimed at technicians from non-governmental organisations, local, regional and central government agents, and researchers working at the interface between science, policy and society. The sessions were led by Ângela Guimarães Pereira, Sílvio Funtowicz and Matthieu Craye (JRC Team), Gilberto Gallopín, Giuseppe Munda, Serafin Corral Quintana, Fern Wickson and Tiago Oliveira.

Four specialisation scholarships were awarded in the area of “Forest Fires and the Environment” for internships at the JRC’s Institute for the Protection and Security of the Citizen, at the headquarters of that institution, in Ispra, Italy. This initiative, forming part of a protocol established between the Calouste Gulbenkian Foundation and the JRC, is designed for graduate technicians undertaking activities related with the problems caused by forest fires, particularly from an environmental viewpoint.

## Own activities

[€198 202]

- › Conference on “Creating a Society and an Environment for Global Human Survival”.
- › Conference on “Smoking-free Areas: the Indisputable Implications for Health”.
- › International conference on “Building Consensus for Sustainability – the National Councils for Sustainable Development”.
- › Conference on “Climate Change and the Frozen Soil of the Antarctic”.
- › Conference on “Healthy and Sustainable Buildings”.
- › Seminar on “Knowledge Assessment Methodologies” (KAM course).
- › Conference on “Climate Change: Risks and Responses”.

More than one thousand people took part in the seven GEP initiatives mentioned above.

**Note:** All the papers produced by the various speakers at the events mentioned, except those presented at the European Union conference, are available online in pdf format, on the website of the Calouste Gulbenkian Foundation, at [www.gulbenkian.pt](http://www.gulbenkian.pt), by following the link to the Gulbenkian Environment Programme webpage (<http://www.gulbenkian.pt/ambiente>).

## Distributive activities

[€192 064]

### Calls for applications

#### **AGIR – Ambiente 2008**

(Supported projects)

- › “MoBIDIc – School Programme for Monitoring Intertidal Biodiversity and its Scientific Dissemination”.
- › “IPBio – IPBeja for Biodiversity”.
- › “Environmental Citizenship – from the Child to the Adult”.
- › “Clube Bigeo – Environmental Action Projects”.
- › “Knowledge and the Environment”.
- › “Cabeço da Lenha (Madeira) Environmental Education Camp – Raising the Awareness of Tourism Professionals and their Descendants”.
- › “CAPTAR – Science and the Environment for All”.
- › @ambiente project.
- › “Increase the Biodiversity of Your School and City! Building of Nest Boxes and Bird Feeders”.
- › “Stories of Salt and Water”.
- › “BIO-LOCAL – Diversity of Local Schemes for Biodiversity”.
- › “School Allotments – Pedagogical Training”.
- › “Different Realities, The Same Nature”.
- › “Ecological Coastal Trails – Resources and Heritage”.
- › “Biodiversity in Style”.

#### **Gulbenkian/Lisbon Oceanarium Award: “Sustainable Governance of the Oceans”**

(Project co-sponsored with the Lisbon Oceanarium)

- › “MarGov – Collaborative Governance of Protected Marine Areas – Ecosocial Dialogue in the Empowerment of Agents of Change for the Sustainability of the Oceans. The Case-Study of the Professor Luiz Saldanha Marine Park”.

#### **Specialisation scholarships for study abroad “Forest Fires and the Environment”, at the Joint Research Centre (JRC), Ispra, Italy**

(scholarships awarded)

- › Sónia Cristina Gonçalves;
- › Patrícia Malico Mello Alexandre;
- › Rui Alexandre Moura Sequeira Dias;
- › Helena Mónica da Silva Barbosa.

### Projects funded without a formal application process

- › Award of a subsidy to the New University of Lisbon/Faculty of Sciences and Technology, for the publication of the proceedings (Conference Abstracts) from the 7th Iberian Conference and the 4th Latino-American Congress on Contamination and Environmental Toxicology (CICTA 2008), held at the New University of Lisbon, from 10 to 12 March.

- › Funding for the participation of African researchers at the international conference on “Water in Africa: Hydro-pessimism or Hydro-optimism?”, held on 2 and 3 October, in Porto.
- › Financial support to the University of Lisbon for the “Creation of a Doctoral Course in Climate Change”, at that institution; the creation of this course enjoyed the collaboration of Timothy O’Riordan, from the University of East Anglia, United Kingdom.
- › Financial support to the League for the Protection of Nature (LPN), for the holding of the conference “Nature and Society: Review and New Options for Portugal”, held on 4 and 5 December.
- › Subsidy awarded to the Institute for Environment and Development (IDAD), for the promotion of “Environment and Health” projects, supported by the Gulbenkian Foundation between 2001 and 2004, under the scope of the Health and Human Development Department.
- › Support given to the LPN for its publishing project on the theme of “Non-Governmental Organisations in the Public Sphere”.

## Other activities

- › “Permanent Forum for Maritime Affairs”, promoted by the Task Group for Maritime Affairs (EMAM), which was held on 7 May, whose initiative was hosted by the Calouste Gulbenkian Foundation/GEP.
- › “Commemoration of the World Environment Day”, hosted by the GEP, on 5 June, with the preview of the documentary *A Grande Aventura*, on cod fishing in Newfoundland, directed by Francisco Manso.
- › Presentation of the “Environment Atlas” of *Le Monde diplomatique*.

This was a round-table discussion held on 20 June, which enjoyed the support of GEP, for the launch of the above-mentioned “Environment Atlas”, at which some copies were sold by *Le Monde diplomatique*.

- › International conference in Funchal on “Winning the Future – Risks and Responses to the Global Crisis of Our Time”.

This event was held on 21 and 22 November, in Funchal, with roughly 300 participants. It was included in the Official Commemorations of the 500th Anniversary of the granting of the status of a city to the capital of the Autonomous Region of Madeira, held in association with the GEP.

- › “Futuro Comum” programme (a television programme on the environment, shown on RTPN), which was described earlier in this section of the report.