

# 10<sup>th</sup> International Conference on Artificial Reefs and Artificial Habitats

## 10<sup>th</sup> CARAH, Portugal (Lisbon and Algarve) 2013

### **The Conference:**

The 10<sup>th</sup> CARAH will be designed to promote international exchange of information on the use of artificial reefs, aiming the enhancement and management of marine and freshwater environment (habitats) and resources (such as fisheries). The Conference is intended to provide a forum for the presentation of results relating to research, developments/technology and science-based management to enhance aquatic environments world wide. It will be comprised of key notes, several theme sessions, both for oral presentations and posters, a course and field trips.

### **The venue:**

Portugal is located only a few hours flight away from rest of Europe (1-3 hours from most major European cities) and 5-8 hours from the Americas. Portugal is a very tolerant country by tradition thanks to centuries of enjoying/experiencing cross culture influences from around the world. We make people feel at home.

### **Competitive prices**

Value for money is another strong point for the Portuguese bid for the 10<sup>th</sup> CARAH. Cost of living is lower than in most Europe and Lisbon is placed among the European major cities with most competitive accommodation rates. Especially taking in consideration the quality and service provided.

### **Conference facilities**

Lisbon and the Algarve have modern equipped facilities, that easily adapt its changeable dimension to needs and characteristics of our venue. From banquets to conventions, fashion to sports, shows to world-wide product presentations. Portugal means quality, flexibility and modernity. Several conference rooms are available to the Conference, some with Panoramic rooms, surrounded by glass walls, offering a breathtaking view of the Tagus river or the Ria Formosa lagoon in the Algarve.

**The Lisbon Resort** - Lisboa is the capital of Portugal and lies on the north bank of the Tagus Estuary, on the European Atlantic coast (<http://www.visitlisboa.com>). It is the westernmost city in continental Europe. Lisbon with an unique triangle is the only European capital with sandy beaches 20 minutes away from the cobbled stone city centre and a luxuriously green holy mountain around the corner. Estoril, a cosmopolitan resort with a Victorian-era charm and Sintra an oasis of luxurious parks spotted with hideaway fairytale palaces. Lisbon is easy to get to. It is a short flight away from most European cities and is just as easily accessible by road, railway or sea. Lisboa International Airport, 7 km from the city centre, has daily flights to and from the major cities in Europe and the world. The Portuguese airlines TAP - Air Portugal and PGA - Portugália Airlines, as well as major international airlines, fly to and from Lisboa.

**The Algarve** – is located at the southern most part of the country (<http://www.visitalgarve.pt>). Wherever you look, the colors of the mountains and sea are always with you, creating the impression of a water-color dotted with highlights of gold, green and blue. The region is an extensive and pleasant one, with a Mediterranean climate, marked by the smell of the sea at low tide and the scent of wild flowers. A stroll through the tangled web of narrow streets, alleys and steps to be found away from the coast is the best way of getting to know this part of the region. But you can also easily lose yourself in the vastness of the coastal strip. Here the backdrop is composed

of some of Europe's most beautiful beaches, from where you can admire the rocky coastline and the playful shadows they cast on the sand. The Algarve enjoys good transport connections, both internally with the other Portuguese cities and externally with the rest of the world. Various national airlines have regular flights to the Algarve, making Faro a busy international airport. The Algarve also benefits from a good road network, composed of motorways, trunk roads and a range of secondary roads, making the journey comfortable and efficient whether you're traveling by bus or driving in a rented car. Rail transport is another alternative for visitors to the region

### **The Algarve Artificial Reef Complex**

The deployment of artificial reefs in Portugal mainland (Algarve coastal waters) was initiated in 1990, when 2 identical small artificial reef systems (ARS) were set off the Ria Formosa. Between 1998 and 2003 six new larger artificial reefs systems were deployed off the Algarve, yet another one is scheduled for 2010. All these reef projects were coordinated by IPIMAR (the Portuguese Fisheries and Marine Research Institute). The Algarve reef complex contains more than 21,500 modules, occupying in a discontinuous way a total area of 45 km<sup>2</sup>, with an estimated area of influence of 70 km<sup>2</sup>. These are the largest structure of this type in Europe. Artificial reef has been of major research line at IPIMAR. Over 2M€ have been allocated to scientific studies and monitoring activities over the last 20 years. The IPIMAR's artificial reef research team have published more than 25 peer-reviewed papers over the last 12 years and has been regularly requested to provide guidance to other countries (from Europe to Africa and South America).

### **Promoting the participation of young researchers**

It is the will of the Organizing Committee to promote the attendance of young artificial reef researchers to the 10<sup>th</sup> CARAH. In order to stimulate their presence a number of grants will be provided and special registration prices available. Moreover, an Artificial Reef Course (3 days) will be prepared, with lectures being given by top artificial reef researchers.

### **Organizing Committee**

The Organizing committee - Miguel Neves do Santos (IPIMAR) and Miguel Tiago de Oliveira (Oceanário de Lisboa) - has more than 30 years of accumulated experience on several fields of expertise, such as: deployment of artificial reefs, scientific research, organizing science and professional meetings and management.

### **Tentative Date: 4-8 November 2013**

- 4 Nov – 9:00 – 12:00 Registration
  - 14:30 Opening ceremony
  - 15:00 18:00 Theme Sessions
- 5 Nov - 09:00 – 16:00 Theme Sessions
  - 16:00 – 17:30 Visit to the Oceanário de Lisboa
  - 18:00 Trip to the Algarve
- 6 Nov - 8:00 – 18:00 Dive at the Largest Artificial Reef System in Europe or visiting the Algarve
  - 20:00 Night Event (Social dinner)
- 7 Nov - 10:00 – 16:00 Theme Sessions
  - 16:30 Close Ceremony