

# ABSTRACT BOOK

University of Algarve  
Faro, Portugal



**7th MEETING  
OF THE EUROPEAN POND  
CONSERVATION NETWORK**  
+  
**LIFE+ CHARCOS SEMINAR**  
May 1<sup>st</sup>-4<sup>th</sup> 2017



**12th ANNUAL SWS  
EUROPEAN CHAPTER MEETING**  
May 4<sup>th</sup>-6<sup>th</sup> 2017



**7<sup>th</sup> European Pond Conservation Network Workshop + LIFE CHARCOS Seminar  
and 12<sup>th</sup> Annual SWS European Chapter Meeting - Abstract book**

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1<sup>st</sup> May – 4<sup>th</sup> May 2017  
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## 7<sup>th</sup> European Pond Conservation Network Workshop + LIFE Charcos Seminar

1<sup>st</sup> May – 4<sup>th</sup> May 2017  
Universidade do Algarve, Faro, Portugal

### Organizers:



## Workshop Committees

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**Carla Pinto-Cruz** (Universidade de Évora)  
**José Paulo Monteiro** (Universidade do Algarve)  
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## **Abstracts of oral communications**

## **OC02 Ecology and diversity of Mediterranean temporary ponds plant communities of Sicily**

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Mediterranean temporary ponds represent a remarkable habitat for plant and fauna diversity and are classified among the most biologically and biogeographically interesting ecosystems in the Mediterranean region. Among them, rock pools are particularly relevant because they are small seasonal wetlands, annually subjected to extreme and unstable ecological conditions and in Sicily they are very well represented with high floristic value. Although several phytosociological studies have been carried out on these habitats in Sicily, few data are available on their ecology and spatial organization. Moreover plant biodiversity of the temporary ponds in Sicily still reserve surprises and therefore the research proceeds to highlight the peculiarities of flora and vegetation still poorly understood.

With this contribution we want to improve the knowledge about the ecological conditions affecting and selecting the floristic composition of plant communities

Therefore the main objectives of this research were: (1) to give a overview of the distribution of the temporary ponds in Sicily (2) to provide an overview of the ecological diversity of the temporary ponds in Sicily (3) to analyse the floristic composition of temporary pools plant communities; (4) to evaluate the effects of ecological features on the species richness and diversity; (5) to define spatial patterns of plant communities.

A special focus is dedicated to Hyblaean district in Sicily is perhaps the area with the greatest diversity of typologies of temporary pools.