



## Programme

Thursday 3<sup>rd</sup> July 2014 – Faculdade de Ciências da Universidade de Lisboa, Building C1 room 1.3.33A

14:00 Registration

14:30 Welcome: Presentation of CAPERMed by Organizers and Opening Act

### ***Monitoring, Indicators and Assessment***

Chair: Silvana Munzi, Centro de Biologia Ambiental, Faculdade de Ciências da Universidade de Lisboa

14:45 **Anticipating global tipping points using ecological indicators: climate change, eutrophication and chemical pollution** – C. Branquinho, Centro de Biologia Ambiental, Faculdade de Ciências da Universidade de Lisboa

15:30 **Lichen functional diversity as early-warning indicators of global change in Mediterranean drylands** – P. Matos

**Biomonitoring heavy metals and nitrogen in southern Europe** – S. Izquieta

**Mosses and heavy metal pollution in Mediterranean environments** – B. Estebanez

**Detecting biological effects of air pollutants with sensitive organisms (lichens)** – L. Paoli

**Guidelines to measure the impact of reactive nitrogen on ecosystems: the use of lichens as biomonitors under global change** – P. Pinho

16:30 *Coffee break + poster*

### ***Monitoring, Indicators and Assessment***

Chair: Rocío Alonso, Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas

17:00 **Building a giant army of tiny soldiers for farming in the Mediterranean** – C. Cruz

**La Castanya (Montseny): a long term atmospheric deposition site for the study of effects to forested catchments** – A. Avila

**Measurement and modelling of pollutant dry deposition to semi-natural Mediterranean ecosystems** – M.R. Theobald

**Latitudinal change to ozone sensitivity in *Quercus ilex* L. across its latitudinal range** – J. Merino

**Ozone fluxes and epidemiology of ozone injury to forests** – E. Paoletti

**Adapting Mediterranean forests to climate change and ozone** – P. Sicard

**Ecotoxicology of Air Pollution Research Group- CIEMAT** - R. Alonso

18:30 Poster session + Aperitif

20:00 *Conference dinner*

Friday 4<sup>th</sup> July 2014 – Faculdade de Ciências da Universidade de Lisboa, Building C1 room 1.3.33A

### ***Ecosystem Structure and Function***

Chair: Raúl Ochoa-Hueso, Hawkesbury Institute for the Environment, University of Western Sydney

09:15 **Impacts of atmospheric nitrogen deposition on (semi-)natural ecosystems: an overview** - Roland Bobbink, B-WARE Research Centre, Radboud University

- 10:00 **Mediterranean is different; in terms of ecosystem responses to N deposition too! Understanding why through temperate-like relic, circum-Mediterranean fir forests** – J.A. Carreira  
**Integrating the impacts of N pollution on the structure and functioning of Mediterranean ecosystems** – T. Dias  
**Effects of reactive nitrogen on the health condition and the biodiversity of forest areas** - D. Elustondo  
**Nutrient Network: some initial results and getting involved** – C.J. Stevens  
**You are NOT what you eat: the hopeless lack of homeostasis in N/P stoichiometry under chronic N deposition in *Abies pinsapo* forests** – B. Viñepla
- 11:00 *Coffee break + poster*

### ***Ecosystem Structure and Function***

Chair: María Arróniz-Crespo, School of Environment, Natural Resources and Geography, Bangor University

- 11:30 **A nitrogen addition experiment in a coastal Mediterranean Ecosystem** – S. Mereu  
**The role of living organisms as modulators of the response of arid ecosystems to climate change and N deposition** – E. Manrique  
**Functional diversity under changing environments: impacts on ecosystem services** – L. Concostrina-Zubiri  
**Linking plant functional diversity to the provision of ecosystem services in Mediterranean drylands** – A. Nunes  
**Ecological impacts of increased nitrogen deposition in semiarid Mediterranean Spain** – R. Ochoa-Hueso

### ***Ecosystem Structure and Function***

Chair: Cristina Cruz, Centro de Biologia Ambiental, Faculdade de Ciências da Universidade de Lisboa

- 12:30 **Carbon storage in grasslands: the impact of atmospheric nitrogen pollution** – I.B. Rogers  
**Ozone removal by a mixed oak-hornbeam mature forest in the Po Valley and related effects on net photosynthesis** – G. Gerosa  
**Responses of *Abies pinsapo* Boiss to ozone in both field and growth chamber conditions** – J.I. Seco  
**Measuring the impact of dust deposition in a mixed landscape: the role of vegetation in ameliorating its effects** – A. Santos
- 13:30 *Lunch*

14:30 Discussion session 1

#### **Research in Mediterranean environment: state-of-the-art and perspectives**

Moderator: Cristina Branquinho, Centro de Biologia Ambiental, Faculdade de Ciências da Universidade de Lisboa

16:00 *Coffee break*

16:30 **Horizon 2020 R&I opportunities for the biodiversity and ecosystems services within Call 2015** – A. Carvalho, Horizon2020 Framework Programme Promotion Office

17:00 Discussion session 2

#### **Round table “Possible common initiatives”**

Moderator: Elena Paoletti, Istituto per la Protezione delle Piante, Consiglio Nazionale delle Ricerche

18:00 Committee Meeting