

*“Ecophysiology at high temperatures and drought”*

***1.1 International workshop - Working Group 1: Modeling Plant Functioning***

**Avignon, France, March, 7-8, 2011**

## Preliminary P R O G R A M M E

08.03.2011

12.00 – 12.45 – *Registration*

**12.45 – 13.00 – *Opening of the workshop***

*Welcome to participants – Aims of Workshop*

13.00 – 14.30 – *Plenary session*

### *1. Earth System Modelling*

**Ben Booth**, “Global warming uncertainties due to representation of land ecophysiology in models may exceed those due to socioeconomics”

### *2. Physiological response to high temperature & drought*

**Jon Lloyd**. “Why are some species more tolerant of high temperatures than others ? Cardinal versus catholic approaches.”

Belinda Medlyn, David Tissue, **Colin Prentice**, “Plant Acclimation - Insights from drought, temperature experiments and physiological models”

14. 30-15.00 - *Coffee break*

**Ülo Niinemets**, “Using stress volatiles to gauge plant response to high temperature stress”

**Fernando Valladares**, “Gas exchange under continental Mediterranean conditions”

**Maurizio Mencuccini**, “Acclimation of hydraulic properties of trees at local to continental scales”

16.30- 17.30 – *Discussions*

19.00 – *Icebreaker Diner*

08.03.2011

8.30 – 10.30 - *Plenary session*

### *2. Physiological responses continued*

**Josep Peñuelas**, "Increased climate change-type droughts and their effects on plants: Decreased productivity, widespread crown condition decline, food web disruption, amplified tree mortality and climate feedbacks"

**Serge Rambal**, "Acclimation of *Quercus ilex* forest submitted to experimental drought"

### *3. Incorporation of Acclimation into models*

**Colin Prentice, Ian Wright** (University of MacQuarie), "DGVMs: a new plant trait approach"

**Jens Kattge & Lina Mercado**, "The Kattge et al. (2007) temperature acclimation of  $V_{cmax}$  and  $J_{max}$  equations and application in a global land surface model"

10.30-11:00 - *Coffee break*

11:00 – 12. 30 – Final Discussion

12. 30 – 14. 00 – *Lunch & Departure*

## **Participants**

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