

**WORKSHOP ISTA on “Trees and shrubs seeds from the  
Mediterranean Basin: development of test methods to be  
introduced into the ISTA Rules”**

**(19, 20, 21 May 2014)**



**Local Organiser:** Semillas Montaraz, S.A.

**Meeting Venue:**

Technical University of Madrid (UPM)

University School of Agricultural Engineering. Plant Biology Department

Ciudad Universitaria, s/n.

28040 Madrid. Spain

(Metro: Line 6. Ciudad Universitaria)

## Monday 19 May 2014

- 8:45 Meeting at the Hotel hall (“Jardin Metropolitano”) for departure to UPM.
- 9:30 Meeting at the University School of Agricultural Engineering, Lecture hall.
- 9:30-9:50 **Inauguration** of the Workshop and delivery of documentation.
- 9:50-10:30 *“Woody species: an opportunity and a challenge”*. Fabio Gorian. ISTA Forest Tree and Shrubs (FTS) Committee's Chair; member of ISTA Committees: Rules, Germination, Bulking and Sampling. Manager of ISTA Laboratory ITML0600. Ufficio Territoriale per la Biodiversità, Verona (Italy).
- 10:30-11:10 *“Marketing of Mediterranean seeds: current situation. Needs for a higher quality control”*. Joëlle Schmitt. Manager of Semillas Montaraz, S.A.. Torremocha de Jarama, Madrid (Spain).
- 11:10-11:30 Coffee break
- 11:30-12:10 *“Germination tests of Mediterranean shrubby species”*. M<sup>a</sup> Elena González & Felix Pérez. University Professors. Technical University of Madrid. EUIT Agrícola, Madrid (Spain)
- 12:10-12:50 *“Wouldn't it be necessary to revise ISTA Rules for Mediterranean species?”*. Nieves Herrero. Chief of the Forestry Seed Laboratory, National Center of Forest Genetic Resources, Ministry of Agriculture, Food and Environment. Guadalajara (Spain).
- 13:00-14:00 Lunch
- 14:00-16:00 **Laboratory practices**
- 16:00-16:30 Coffee break
- 16:30-17:30 **Laboratory practices**

## Tuesday 20 May 2014

- 9:00-9:40 *“Improvement in standardization of seed quality in Mediterranean species of great ecological-economic interest, not contemplated under the current ISTA rule”*. Rosa Colomer. Laboratory manager of Semillas Montaraz, S.A., Torremocha de Jarama, Madrid (Spain).
- 9:40-10:20 *“How Mediterranean species seeds deal with wildfires and drought? Germination under low water availability conditions and in response to smoke”*. Jaume Tormo. IMEM Ramon Margalef, University of Alicante, Alicante (Spain).

- 10:20-11:00     *"Methods to improve Storage of holm oak (Quercus ilex L.) Recalcitrant Seeds: a Technological and Biochemical Approach"*. Sergio Pasquini. ISTA Forest Tree and Shrubs (FTS) Committee's Vice-Chair. Member of ISTA Committes: Moisture and Tetrazolium. Quality Manager of Laboratory ITML0600. Centro Nazionale per lo Studio e la Conservazione della Biodiversità Forestale-Peri, Verona (Italy).
- 11:00-11:20     Coffee break
- 11:20-13:00     Visit of **UPM Genebank**. "45 year old seed bank" (International Plant Genetic Resources Institute, IPGRI)
- 13:00-14:00     Lunch
- 14:00-15:00     Visit of **Ecological Garden UPM**. "Mediterranean ecosystems".
- 15:00             Departure to Dehesa de Moncalvillo. San Agustín Guadalix (Madrid).
- 16:00-17:00     Visit of **Dehesa de Moncalvillo**. "Mediterranean ecosystem with agroforestry management"
- 17:30-18:30     Visit of facilities *Semillas Montaraz, S.A.*. Torremocha de Jarama (Madrid).
- 18:30-19:30     "**Cleaning seeds practices**" in Semillas Montaraz facilities.
- 19:45             Departure to El Berrueco (Madrid), through **Mediterranean landscapes**.
- 20:30             Official Workshop dinner. El Berrueco (Madrid)

### **Wednesday 21 May 2014**

- 9:00-10:00     Finishing of **Laboratory practices** started on Tuesday.
- 10:00-10:20     Coffee break.
- 10:30-12:30     Last meeting: summary, **conclusions and proposals** to ISTA.
- 12:30-13:00     Closing and delivery of Workshop certificates.
- 13:00-14:00     Lunch