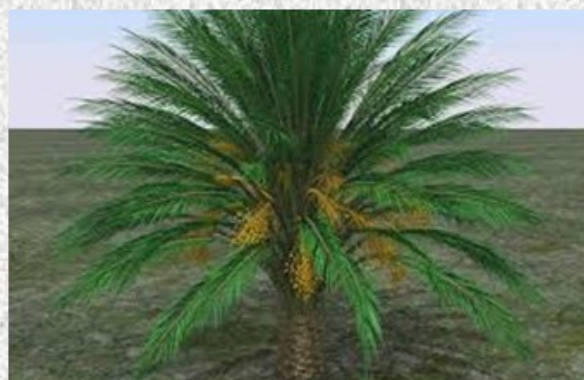


International Training program on Morphological and architectural methods on date palm : Modeling and computer simulation



11-15 November 2013 , Ouarzazate, Morocco

Contact : Faculty of sciences , University
Mohammed Premier , Oujda, Morocco
Elhoumaizi@yahoo.fr

The training is a component of a research and educational system in partnership with the research network "MOdeling of Growth, Architecture and Flowering on Phoenix dactylifera L." (MOCAF 2 - Euroméditerranée 3+3) and Campus France - PHC Maghreb project 'Modeling of the architecture and water relation of the date palm in Maghreb oases '.

PARTNER INSTITUTIONS:

LRZA (Algeria)- LACO-IRA (Tunisia)- LBPM-FSO (Morocco) – CRSP-San Remo (Italy) –CIRAD Montpellier (France).

TRAINING GOALS :

- Train researchers and scientists from date palm countries on Date palm tree modeling techniques and use.
- Disseminate knowledge, skills and know-how on sampling techniques, data analysis, plant modeling and simulation developed at CIRAD BIOS.
- Mastering softwares of plant growth simulation and their applications on date palm
- Training in support of various research programs initiated on the date palm (MOCAF, Campus France PHC-Maghreb project, PARRAF project.

TRAINERS

- Pr Mohammed Aziz Elhoumaizi – University Mohammed Premier, Faculty of Sciences , Oujda –Morocco
- Dr René Lecoustre – CIRAD-BIOS UMR AMAP – Montpellier - France.
- Dr Claudio Littardi – Research Center for Palm Trees, CRSP – San Remo - Italy.
- Dr Hervé Rey – CIRAD-BIOS UMR AMAP – Montpellier - France.
- Pr Nadia Bouguedoura USTHB, Laboratory for Arid Zones , Algeria.
- Dr Mohamed Ben Salah – IRA et CRAO - Tunisia.
- Pr Malika Bennaceur – LRZA – Oran University - Algeria.
- M. Sebastien Griffon - CIRAD-BIOS UMR AMAP – Montpellier - France.
- Dr Christophe Jourdan – CIRAD-Persyst MUR Eco&Sols – Montpellier -France.

PROGRAM

11 November 2013

- Presentation of essentials for modeling of air and root devices from *Phoenix dactylifera* (Lecoustre R., H. Rey and C. Jourdan),
- Description of the measurement protocol for the calculation of sampling and measurement for modeling and simulation on the vegetative part (R. Lecoustre),
- Description of the measurement protocol for the calculation of sampling and measurement for modeling and simulation on the aerial reproductive part (H. Rey),
- Description of the measurement protocol for the calculation of sampling and measurement for modeling and simulation on the root system (C. Jourdan),

12 November 2013

- Measurement techniques on the in situ palm (size, direction and phyllotaxis angle),
- Measurement techniques on the in situ fronds (dimensions, characteristic angles),
- Workroom measurements on cut fronds and data entry,

13 November 2013

- Locating techniques for inflorescences and infructescences, in situ measurements, .
- Workroom measurements on cut inflorescences and data entry,

14/11/2013

- Techniques for monitoring growth of root systems followed in rhizotron or by sampling,
- Technical observation of adult root systems and monitoring growth in experimental field pit devices,
- Field data on aerial systems entry and processing,

15/11/2013

- Field data on root system entry and processing,
- Using the Principles and XPLO software with field data,
- Evaluation of the training .
- Conclusion remarks.

LANGUAGE TRAINING

Languages of the training are **French, English and Arabic**, with possible translation.
However, all the documents and training materials should either in **French or English**.

Training course fees

The participation fee is 550 Euro / or US\$ 750) and covers training materials, full board accommodation at 4* Hotel and transport from / to Ouarzazate Airport . The mode of payment and bank account number will be sent later to the participants.

Important date

Attached application must be returned to the organizers by 15 October 2013 to the following address in order to receive further information related to this activity.

Prof. Med Aziz ELHOUMAIZI
University Mohammed 1st
Faculty of Sciences, Department of Biology
P.O.Box : 717 Oujda 60000, Morocco
Tel : +212666013757
Fax : +212536500603
E-mail : elhoumaizi@yahoo.fr

Application form
International Training on Morphological and architectural
Methods on date palm : Modeling and Computer simulation
(11-15 November 2013 , Ouarzazate, Morocco) .

Family name :

First name:

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Date of birth : Nationality :

Address:

Postcode : City :

Country :

Tel : Mobile :