CLIMATE-SMART Agriculture 2015

Global Science Conference

March 16-18, 2015
Le Corum, Montpellier France

Post-Conference Tour
Thursday 19 March

Montpellier's Research Infrastructures Tour

Departure from Tramway station *Occitanie* at 09:00
Return at Tramway station *Occitanie* at 18:00

- **Quarantine facilities for studies on tropical plant pathogens and related hosts (UMR DIADE & IPME)**

This platform allows i) the maintenance of living collection of topical genetic resources (*Coffee* and rice collection) ii) the production of plants, and iii) the conservation and analysis of important pests and pathogens causal agents of severe diseases on rice, coffee, cereals and cassava.

The platform consists of 950 m^2 of glasshouses including 266 m^2 of restricted area and 30 m^2 of growth chambers with laboratory facilities for studies of transgenic materials and quarantine pathogens. This area is organized in 18 (S1) and 10 (S2) individual compartments allowing for specific growing conditions of tropical crops (cultivated and wild rice species, cassava, millet, coffee, yams, etc.). Recently, studies on ecotoxicology on mosquitoes have been implemented.

For more details, visit the website at http://www.diade-research.fr/

Host: Valérie VERDIER

- **Regional genotyping technology platform (UMR AGAP)**

The platform characterizes plant molecular diversity using medium-throughput genotyping. It is connected with high-throughput laboratories and with laboratories at field sites. It helps locate adaptive genetic factors within germplasm and along the genome in support to genetic resources management and plant breeding research. In a building devoted to Mediterranean and tropical plant adaptation and genetic improvement, you will be able to see machines and devices for large scale DNA extraction, genotyping/sequencing and data management. Researchers will be on site to exchange with visitors on their activities.

For more details, visit the website at http://umr-agap.cirad.fr/en/plateformes/genotypage

Host: Pierre MOURNET, Jean-Christophe GLASZMANN

- **European Ecotron (CNRS)**

The Ecotron is an experimental research infrastructure dedicated to the study of ecosystems, organisms and biodiversity in the context of environmental changes. The environmental conditioning tools and the process measuring instrumentation of the three experimental platforms (ecosystem samples from hectograms to tons) will be shown as well as current experimentations.

For more details, visit the website at http://www.ecotron.cnrs.fr/index.php/en/

Host: Jacques ROY

- **Quarantine Ecotrop Platform (UMR ECO & SOLS)**

An analytical and experimental quarantine platform aims at characterizing biological, physical and chemical properties of tropical soils, and at investigating soil-plant interactions.

For more details, visit the website at http://www6.montpellier.inra.fr/ecosols

Host: Gérard SOUCHE

- **Montpellier Plant Phenotyping Platforms (UMR LEPSE)**

These high-throughput platforms (hundreds of plants in greenhouses and in growth chambers) can host large collections of genotypes of the same species, evaluate their responses to climate change (drought and elevated temperature) and obtain parameters that will be injected into predicting models allowing the selection and the breeding of future, climate-adapted varieties.

For more details, download the brochure http://www6.montpellier.inra.fr/lepse/Media/fichiers/Plaquette-M3P

Host: Bertrand MULLER