

# Tuesday 16 June, 2015 - How to go further?

All in French

- **Views from extension and an experimental station.**

**09:00-10:00 - Bruno HUCBOURG** (GRCETA de Basse Durance, St Rémy de Provence, France) & **Christophe RIPOLLÈS** (Orchard manager, Mas de Nages, region of Nîmes, France) - Soil and water management: the practical use of plant and soil sensors.

**10:00-10:30 - Xavier CRÉTÉ** (CEHM, Marsillargues, France) - SAM, a community tool for agriculture development in Languedoc-Roussillon (SE France).

**10:30 – 11:00 – Coffee-Break**

- **Tools for knowledge on plant water and physiological status.**

**11:00-11:30 - Jean-Luc REGNARD** (Montpellier SupAgro, France) - Remotely sensed high-resolution imagery for the assessment of tree physiological status.

*Note: The talk will present recent applications to characterize genetic variability among apple genotypes.*

**11:30-12:00 - Thierry AMEGLIO** (INRA, Clermont-Ferrand, France) – Use of dendrometer for the continuous follow-up of diameter growth to manage precisely a tree.

*Note: The continuous follow-up of diameter and growth deformation of an organ allows to detect and to manage abiotic and biotic constraints the tree is subjected to. The talk will present a literature survey on the topic over the last century and will present a new generation of wireless sensors with some examples of implementations for precision tree water status management.*

**12:00-12:30 - Brunella MORANDI** (University of Bologna, Italy) - Fruit-gauges for real time monitoring of tree water status and the forecast of fruit weight at harvest.

*Note: As the fruit is the economic target of the production, real time monitoring of its growth performance may provide key info to evaluate the actual physiological status of the tree, and to provide the grower feedbacks for precise management of the orchard in terms of irrigation and crop load.*

- **Towards a better use of water by the fruit-tree through genetics.**

**12:30-13:00 - Henri DUVAL** (INRA, Avignon, France) - Use of the *Prunus* genetic diversity for breeding stone fruit rootstocks. Which *Prunus* species are the best adapted to drought?

*Note: Prunus will be taken as an example of the interest to explore genetic variability for tolerance to drought.*

**13:00-14:30 – Lunch at Agropolis**

- **Water in the society.**

**14:30-15:00 - François PRÉVOST** (Société du Canal de Provence, France) – Water management for agriculture in Provence, SE France.

*Note: The talk will present the long history of water management in the Provence region, with works dating back from 10 centuries which permitted a rather safe water supply for agriculture. This long history gives more strength to face the coming climate changes.*

**15:00-15:30 – Aziz ABOUABDILLAH** (ENA, Meknès, Morocco) - Water saving policy in Morocco.

*Note: In Morocco, water saving is the stated objective to promote micro-irrigation, in particular, drip-irrigation system.*

**15:30-16:00 - Didier CHRISTIN** (FERTILE, <http://www.soletcivilisation.fr/>, France) - Strategic approaches of water management involving all the actors.

*Note: Based on current activities on water management in various contexts, the talk will emphasize the importance of taking into account the various actors.*

**16:00 – 16:30 – Coffee-Break**

- **Together to the future.**

**16:30-17:00 - Florence JACQUET** (ARIMNet coordinator, France) - Water use in agriculture - European and international funding opportunities.

**17:00-17:15 – Conclusion of the conference.**