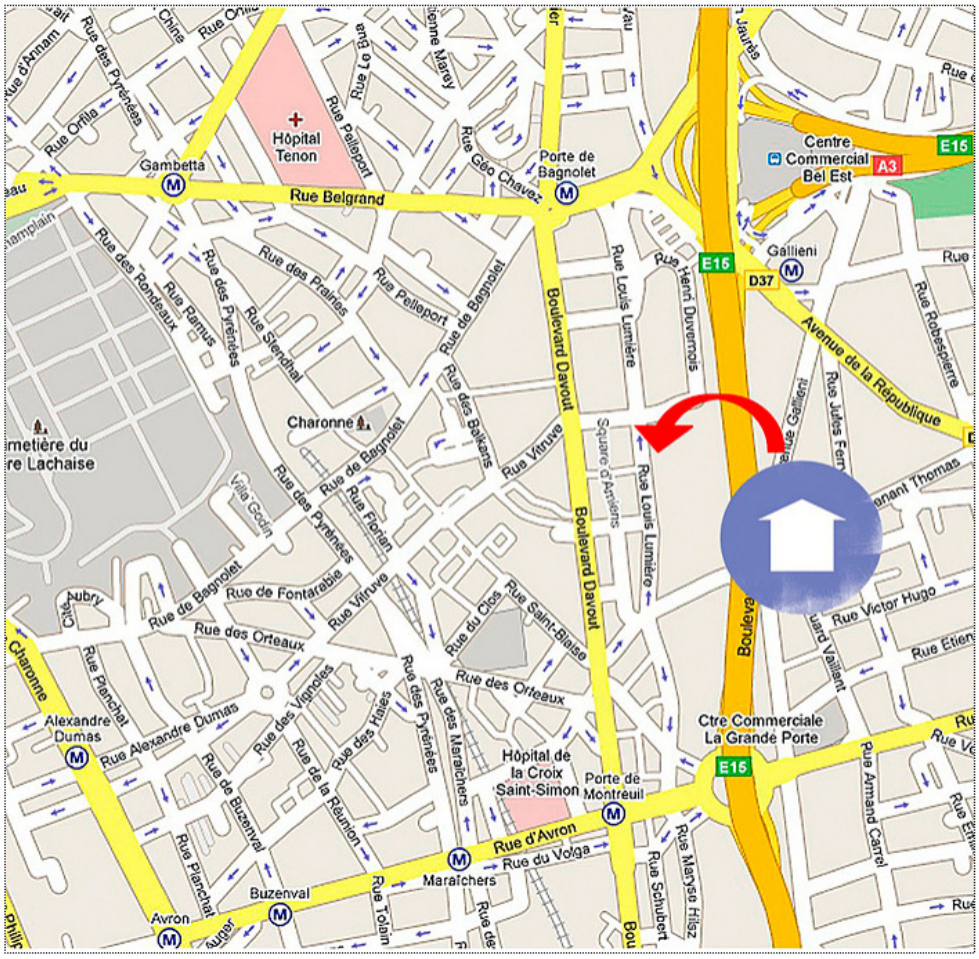
International workshop on modelling platforms for sustainable management of crop health November 29th 2013, Paris

The INRA/CIRAD IPM network, in conjunction with the key-action MODEL of the INRA's metaprogram SMACH (Sustainable MAnagement of Crop Health), the European Research Group ENDURE, the European project PURE, and the "Modelling for Agriculture" Mixed Technology Network, organises an international workshop on modelling platforms for the sustainable management of crop health.

The aim of this workshop is to promote platforms that can enhance innovative modelling approaches applied to crop protection and to initiate collective methodological reflexions.

This workshop will be held November 29 2013, in Paris :

Résidence Internationale de Paris
44 rue Louis lumière
75020 Paris
Métro : Porte de Bagnolet (line 3) or porte de Montreuil (line 9)



To reach the Résidence Internationale de Paris : http://www.ratp.fr/en/ratp/c_20527/travelling/

Program

Chairman Jean-Noël Aubertot (INRA, France)

9:00-9:15 Welcome session (coffee and croissants)

9:15-9:30 Introduction (Jean-Noël Aubertot, INRA, Toulouse)

9:30-12:00 Generic modelling platforms

9:30-10:15 UNISIM (PURE/ENDURE), a software package for collaborative ecological modelling (Niels Holst, Aarhus University, Danemark).

10:15-11:00 RECORD, a platform for modelling and computer simulation dedicated to the study of agroecosystems (Hélène Raynal or Jacques-Eric Bergez, INRA, Toulouse).

11:00-11:45 AMAPStudio, a software suite for plant architecture modelling (Sébastien Griffon and Yves Dumont, CIRAD, Montpellier).

11:45-12:00 Break

12:00-13:00 Platforms to assess the sustainability of cropping systems

12:00-12:30 DEXIPM (PURE/ENDURE), a qualitative multicriteria tool to assess the sustainability of cropping systems (Antoine Messéan, INRA, Grignon).

12:30-13:00 MEANS (MulticritEria AssessmeNt of Sustainability), a platform for the multi-criteria sustainability assessment of agri-food systems (Julie Auberger, INRA Rennes).

13:00-14:00 Lunch

14:00-15:00 Multiple pest modelling

14:00-14:30 Injury Profile SIMulator (IPSIM), a qualitative aggregative modelling framework to predict injuries caused by multiple pests as a function of cropping practices and the biotic and abiotic environment (Marie-Hélène Bonnemé, EI Purpan, Toulouse).

14:30-15:00 X-PEST (PURE), an interactive generic modeling platform to help design models that predict damages caused by multiple pests (Jean-Noël Aubertot, INRA Toulouse).

15:00-16:00 Modelling tools for the sustainable management of crop health

15:00:15:30 A tool to help network modelling for the collective management of a given pest at the landscape level (PURE, Régis Sabaddin, INRA Toulouse).

15:30-16:00 EPSIMBIOR, development of a database on traits, equations and parameters of pests (Claire Lesur, INRA Grignon).

16:00-16:15 Break

16:15-17:00 General discussion