

Workshop DigiPlante 2009

Baie de Somme, 22-23 June 2009

Program.

----- 22 June -----

10:15 Introduction and Welcome Coffee

Session 1: Modelling

Chair: Amélie Mathieu

10:30 Paul-Henry Cournède
Dynamic System of Plant Growth

11:15 Philippe de Reffye
A New Model for Sink Functions in GreenLab

12:00 Jessica Bertheloot
Modelling the Effects of Nitrogen in Plant Growth

12:30 Veronique Letort
A Review on Tree Growth Modelling in GreenLab and Applications

13:00 Lunch

----- 23 June -----

Session 2: Formalisms and Mathematical Methods

Chair: Véronique Letort

8:30 Vincent Le Chevalier
A New Formalism for the Simulation of Functional Landscapes

9:00 ZhongPing Li
Towards a Continuous Version of the GreenLab Model and Application To Coupling With the Pilote Model

9:30 Cedric Loi
Plants as Combinatorial Structures

10:00 Qiongli Wu
Sensitivity Analysis: A Review on Methods and Application to GreenLab

10:30 Coffee Break

Session 3: Applications

Chair: Philippe de Reffye

10:45 Amélie Mathieu

Analyzing Fruit Cyclic Patterns with GreenLab: Exemples of Cucumber and Sweet Pepper

11:15 Sébastien Lemaire

Analyzing the Effects of Density on Sugar Beet Growth

11:45 XiuJuan Wang

A Stochastic Model of Rapeseed Fertility and Current Studies on How to Link it with GreenLab

12:15 Rui Qi

A model of Plant-Pest-Parasite Interaction

12:45 Philippe de Reffye

Concluding Remarks: Today's and Tomorrow's Issues in Plant Growth Modelling

13:00 Lunch