

## Modelización y visualización 3D de cultivos con un sistema-L Paramétrico.

Project: DGICYT nº PB 98-0569

**Períod:** 1999 a 2002.

**Main researcher:** M<sup>a</sup> Inés Mínguez Tudela.

The aim of this Project was the construction of a functional-structural model of a legume crop, *Vicia faba* L, using the Lindemayer system formalism. This kind of models combines a 3D simulation of plant structure with the simulation of physiological processes (Fig. 1). The objective is to simulate such processes more accurately.

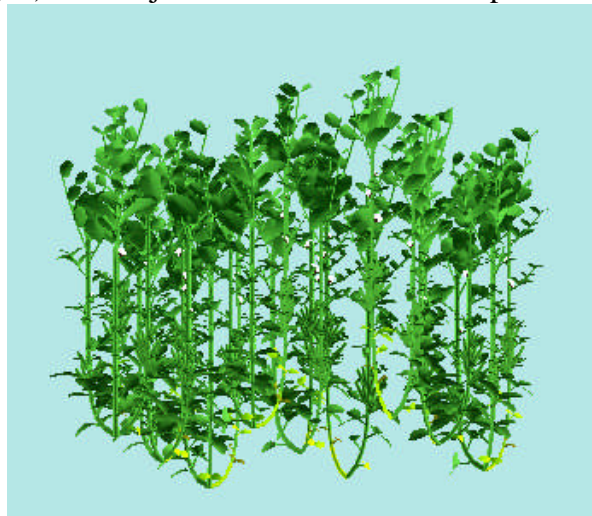


Fig. 1

The developed model, ALAMEDA, has been distributed to the following universities and research centers:

1. Universidad de Calgary (Dr. Prusinkiewicz), Canada
2. ARC Centre of Excellence for Integrative Legume Research, University of Queensland, Brisbane (Dr. J. Hanan), Australia
3. University of California (Dr. R. Favreau), USA
4. Wageningen University and Research Centre (Dr. Evers), The Netherlands
5. Institute of Biological Production Systems, University of Hannover (Dr. K. Kahlen,) Germany