

PROJECT



“SIMAGESS: SIMULATION SOFTWARE FOR SOCIAL AND COMPLEX AGENT BASED SYSTEMS”.



Duration of the project



Science and Technology ministry of Spain.
Summons of Project helps of Scientific Investigation and Technological Development (2003)

SUMMARY TECHNICAL SCIENTIFIC REPORT OF THE PROJECT

RESPONSIBLE RESEARCHER:

DR. ADOLFO LOPEZ PAREDES

TITLE:

“SIMAGESS: PLATFORM FOR SIMULATION OF AGENTS IN COMPLEX SOCIAL SYSTEMS”.

SUMMARY:

The objective is design a simulator on JAVA to program easily models of complex social systems, for usefulness of economists, sociologists, geographers, historians, etc.. The starting point is the shell SDML (Strictly Declarative Modelling Language), accomplished by the teacher Scott Moss and his equipment of the Center for Policy Modelling of the Manchester Metropolitan University. This shell is built on Smalltalk. The proposed development seeks to provide a tool that incorporate visual facilities for the programming as well as for the analysis of the simulations, incorporating all the capacities of SDML. This project form part of other more ambitious, that includes the programming of a publisher and a code generator that automate the construction and modification of the models to simulate. Lace this macroproject with the developments obtained in the project Euroscom MESSAGE, and the project INGENIAS (TIC 2002-04516-C03-03), financed by the MCYT. in collaboration with European investigation centers is intended to coordinate a consortium for the complete development and programming of all the usefulnesses linked to the platform in development: visual publisher, documents generation and of code in C++ for the simulator designed in this project.