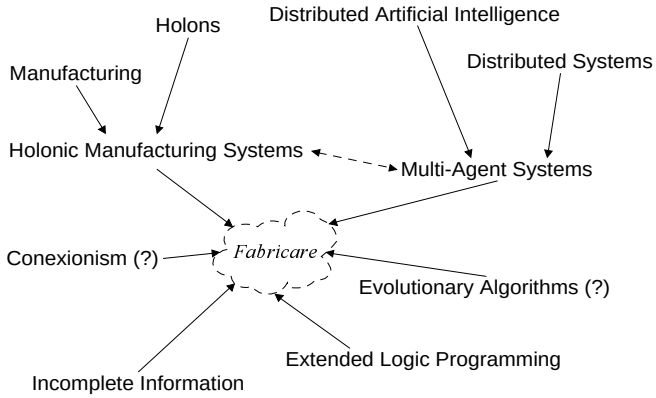
Holonic Manufacturing Systems

http://www.dei.isep.ipp.pt/~psousa/fabricare/

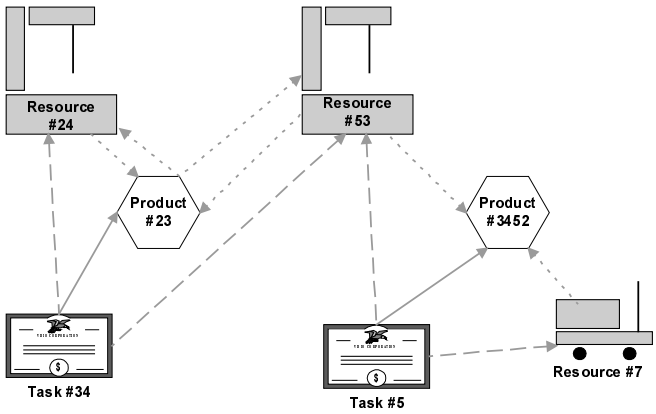
Paradigms

- Several influences and techniques present in the *Fabricare* project



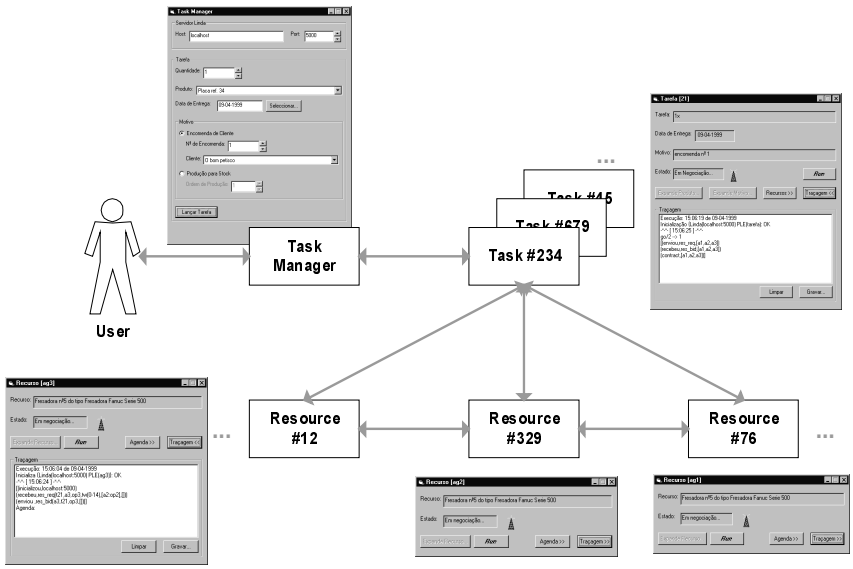
Architecture

- A Multi-Agent System with Resource-Agents, Product-Agents and Task-Agents, which negotiate using a specially derived Contract Net Protocol called "Contract Net with Constraint Propagation Protocol"



Prototype: *Fabricare*

- Agents are SICStus Prolog modules comunicating thru the Linda Co-ordination library, with Visual Basic Interfaces



Escola de Engenharia
Universidade do Minho

Instituto Superior de Engenharia
Instituto Politécnico do Porto