

# *An UML Profile for the specification of distributed component systems*

Project

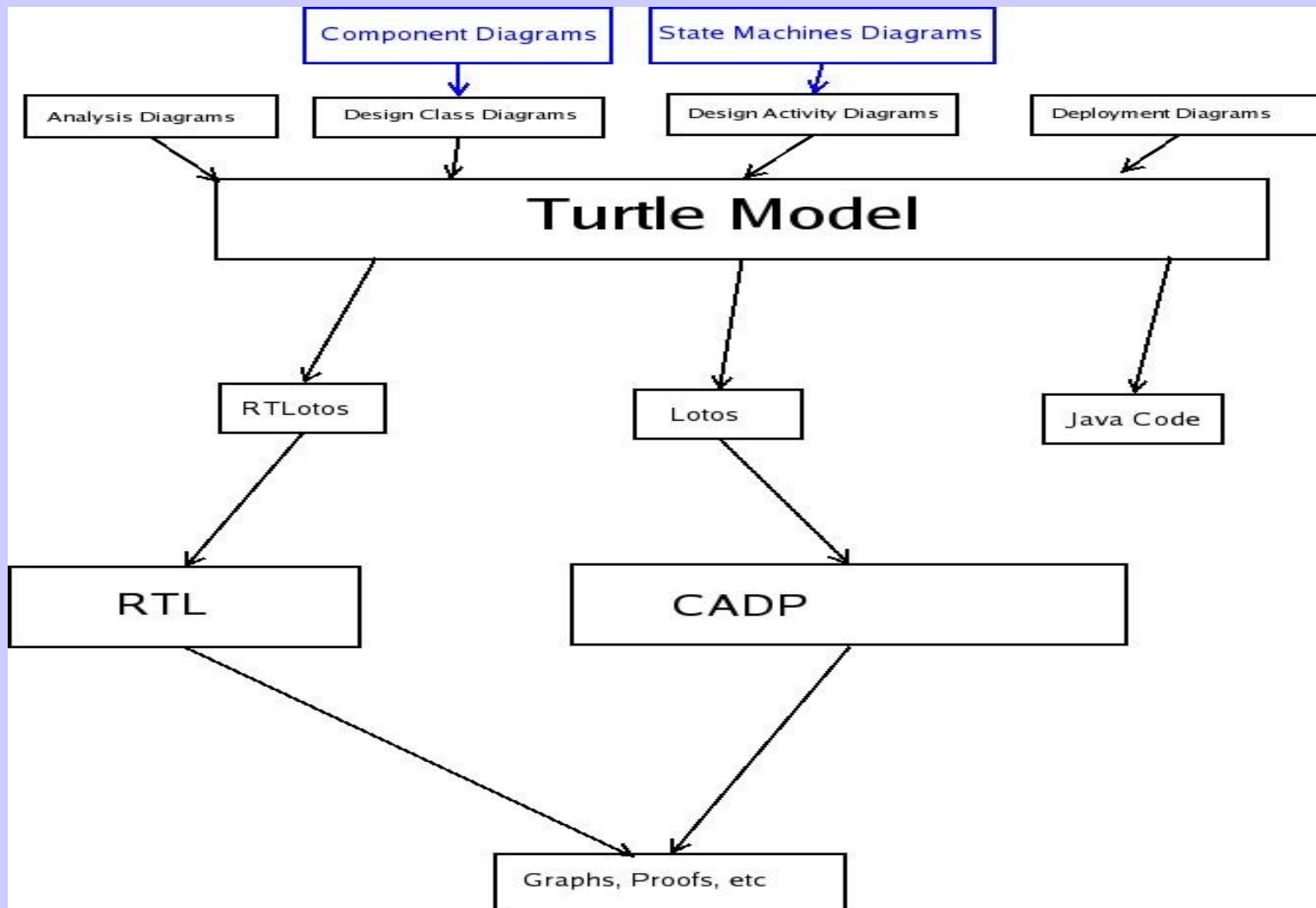
Coordinator: Eric Madelaine

Intern: Emil Salageanu

Inria, OASIS Team  
Sophia Antipolis

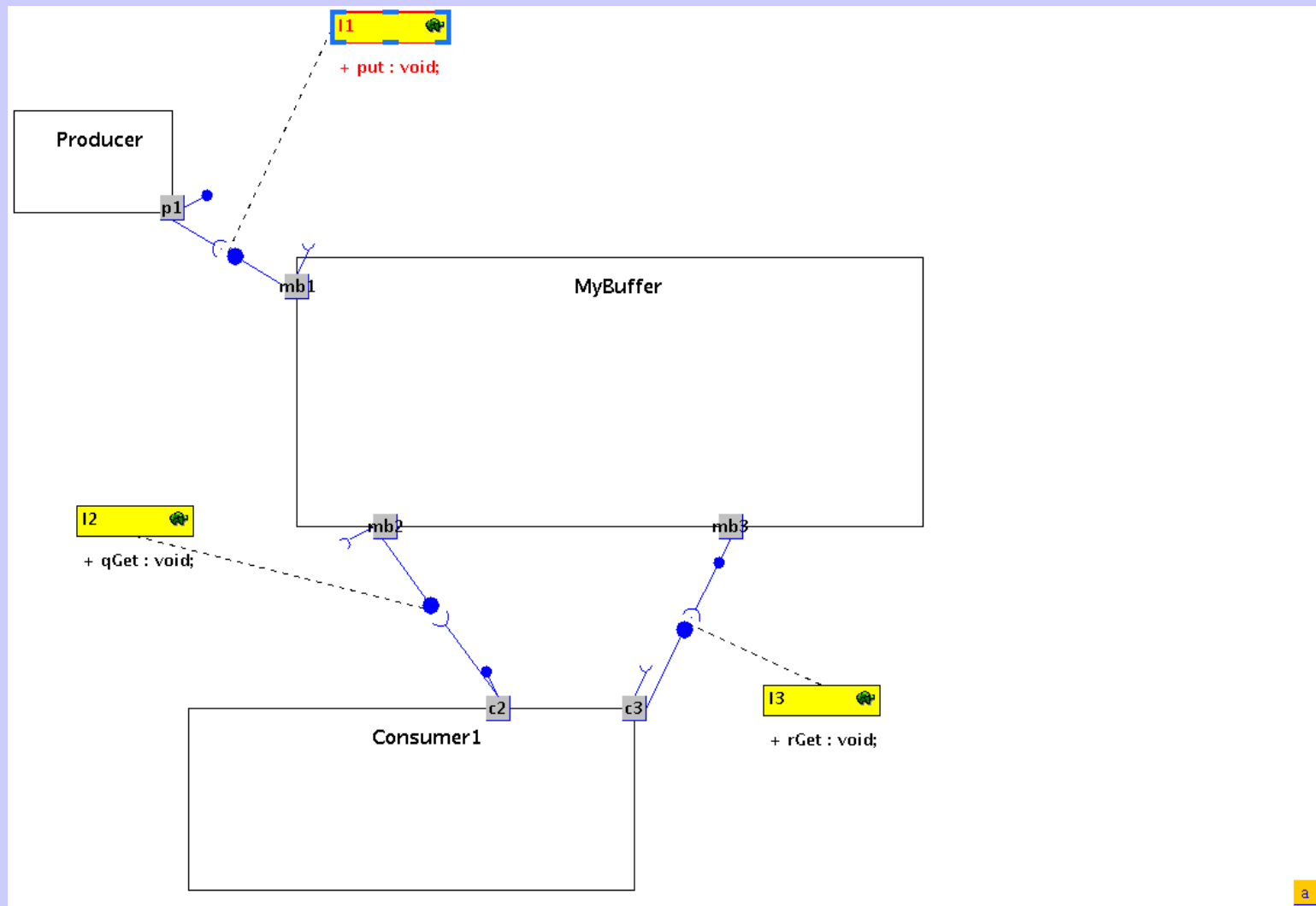
## *CTTool for ProActive*

- Finding an appropriate design model of hierarchical components for ProActive
- High Level Design Tool mapped on a formal semantic, easy to understand, easy to use
- in order to model a component system, build behaviour models, use model checkers

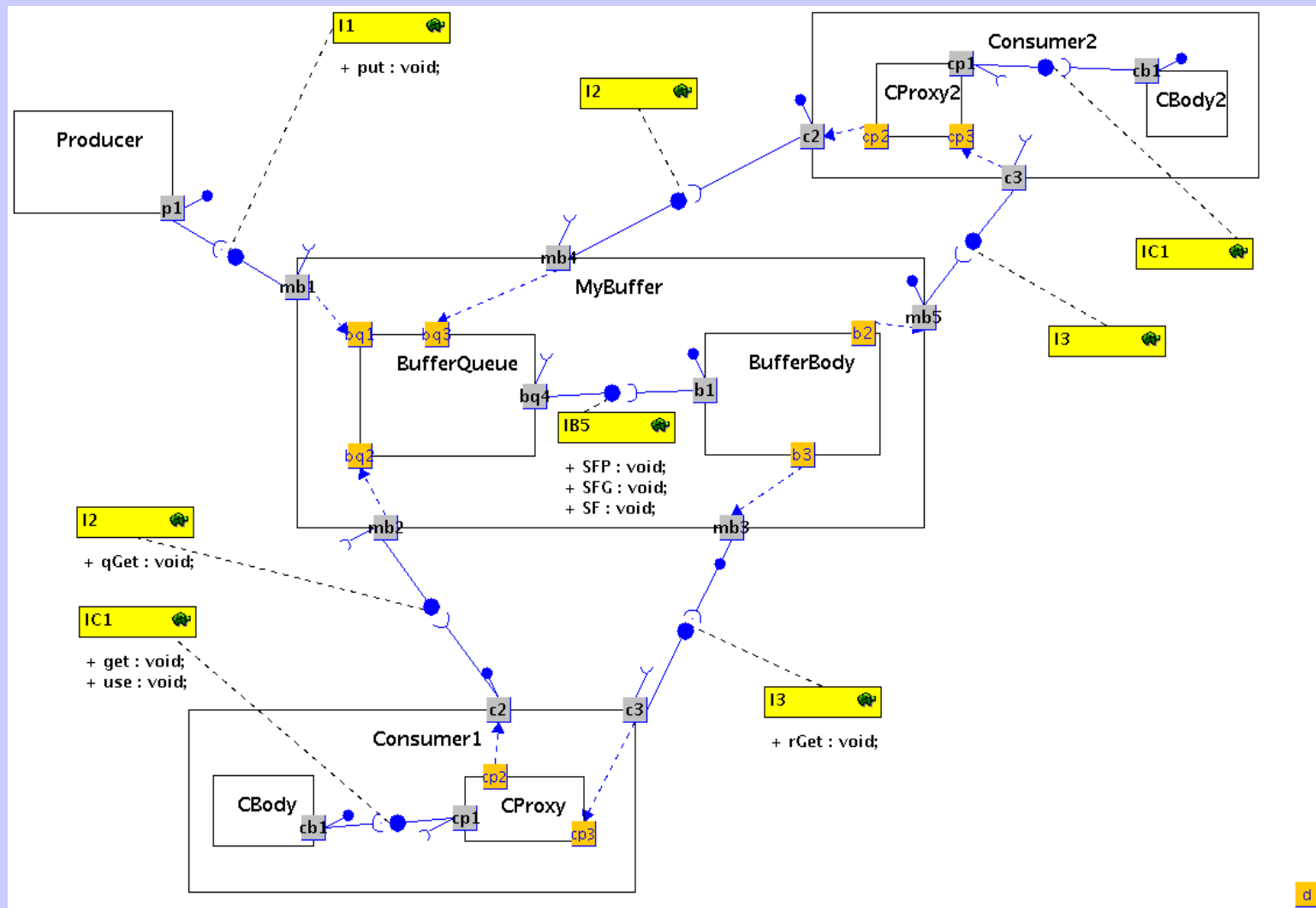


## *Turtle Model*

*(Ludovic Apvrille, LabSoc, ENST)*



## *Consumer Producer First Level Component Design*



*System's Composite Structure Diagram*

# *Perspectives*

- Defining a profile dedicated to Distributed Components Systems
- Managing group communication
- Managing ProActive predefined objects (queues, proxies..)
- Verification and code generation