The INRIA research action on

Java Card

Objective: Software analysis tools for smart card programming in Java Card

Partners: INRIA (Projects: Cristal, Croap, Lande)
GIE Dyade (Bull/INRIA)
ONERA/CERT

Axes of research:

Semantics

Mathematical definition of program behaviour
Simulation of Java Card applet execution
Modelling of object sharing

Optimisation

Reduction of memory consumption
Efficient method look-up

Security

Formal verification of security policies
Certification

Home page: `http://www.irisa.fr/lande/jensen/javacard.html`