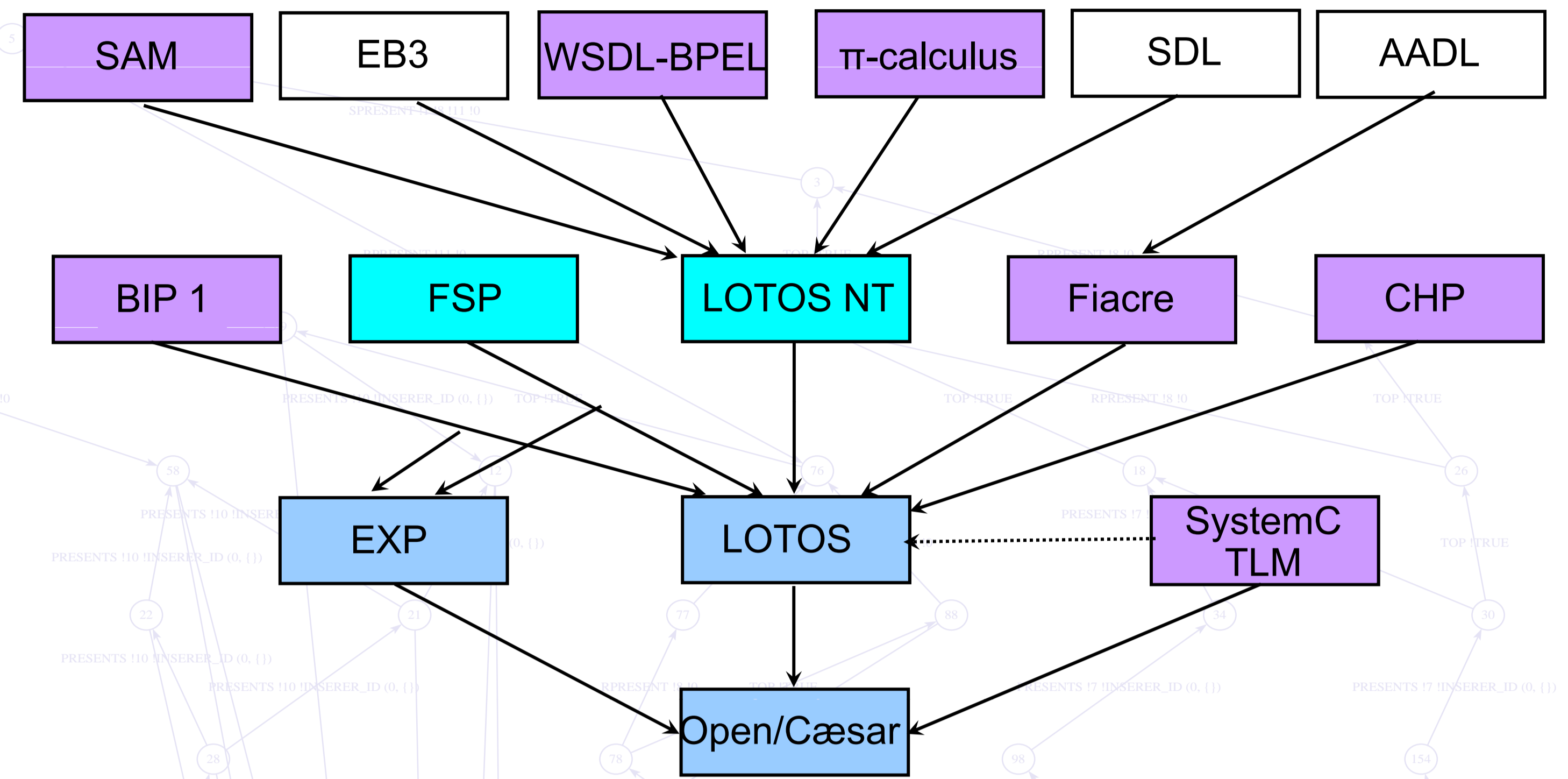


Many formal input languages

- process calculi (LNT, π , FSP, ...)
- networks of communicating automata

Simulation and rapid prototyping

- code generation (C)
- step-by-step & guided execution
- random execution



Explicit-state verification...

- model checking (μ -calculus, MCL)
- equivalence checking (bisimulations)
- visual checking

...using different techniques:

- exhaustive
- partial
- on the fly
- compositional
- distributed (clusters, grids)

Performance evaluation

- Markovian minimization
- transient & steady state analysis
- steady state simulation

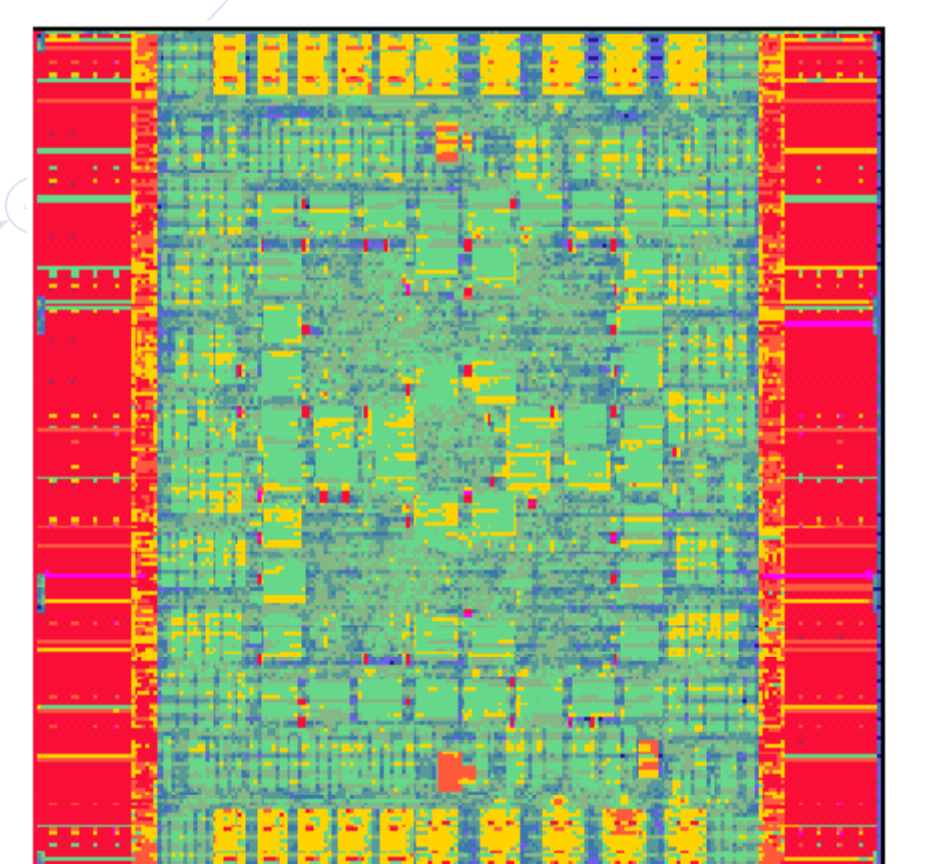
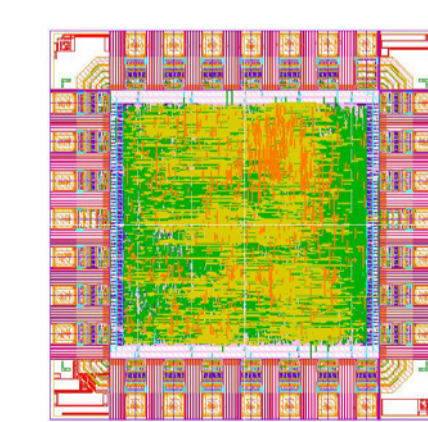
Test case generation

Script language for verification scenarios (SVL)

Some figures about CADP 2013

- 42 tools and 17 software libraries
- 10 computing platforms: Sparc/Solaris*, PC/Solaris*, PC/Linux*, Itanium/Linux, PC/Windows, MacOS (*: 32 and 64 bit)
- International dissemination:

- 10,000th license granted in 2012
- licenses granted for 1227 machines in 2012
- 155 case-studies using CADP <http://cadp.inria.fr/case-studies>
- 72 research tools connected to CADP <http://cadp.inria.fr/software>
- 28 university lectures based on CADP
- User forum (more than 230 users and 1400 messages) <http://cadp.inria.fr/forum.html>



Reference publication

Hubert Garavel, Radu Mateescu, Frédéric Lang, and Wendelin Serwe. *CADP 2011: A Toolbox for the Construction and Analysis of Distributed Processes*. In Software Tools for Technology Transfer (STTT), volume 15, issue 2, pages 89-107, April 2013. <http://hal.inria.fr/hal-00715056>.