TOPCASED
Toolkit in Open-Source for Critical Application & Systems Development

TOPCASED Status

April 2007 AS2C meeting

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http://www.topcased.org

Project Facts

- Two new partners
  - Technical University of Toulouse (open source licenses studies)
  - INRIA Triskell (Kermeta : model handling environment)
- OSATE development is migrating to GForge
- Quality Assurance
  - Quality kit for TOPCASED component is ready
  - Evaluations for some first tools are in progress
  - TOPCASED high level plans in progress
- TOPCASED presented at Eclipsecon2007
  - Several possible collaborations : EMF, GMF, UML / SysML

TOPCASED 1.0.0 Roadmap

- TOPCASED 1.0.0M3 released on the end of March
  - Now based on Java 1.5, Eclipse 3.3Mx and EMF 2.3
- TOPCASED 1.0.0M4 to be released on May 15th
- TOPCASED 1.0.0 to be released in July.
  - Graphical editors
  - Simple documentation and code generators
  - First bridges from models to behavioral verification tools
  - gPM (changes management)
  - TRAMway (requirements traceability)
  - ...
- To go further : https://gforge.enseeiht.fr/docman/view.php/35/592/TOPCASED_roadmap%201.6.pdf

TOPCASED 2.0.0 Roadmap

- July 2008 (synchronized with Eclipse release)
- TOPCASED 2.0.0Mx will be released every 6 weeks from September 2007 to July 2008.
- Aims :
  - Full QA compliance
  - Organize maintenance
  - Better collaboration with Eclipse projects (TMF/GMF merge, ECORE graphical editor commit, etc.)
  - Introduction of several new components : ADELE, AADL based code / doc / test cases generators, model behavior simulators, dynamic verification tools, model configuration management, team work, etc.
  - Hardening TOPCASED 1.0.0 components

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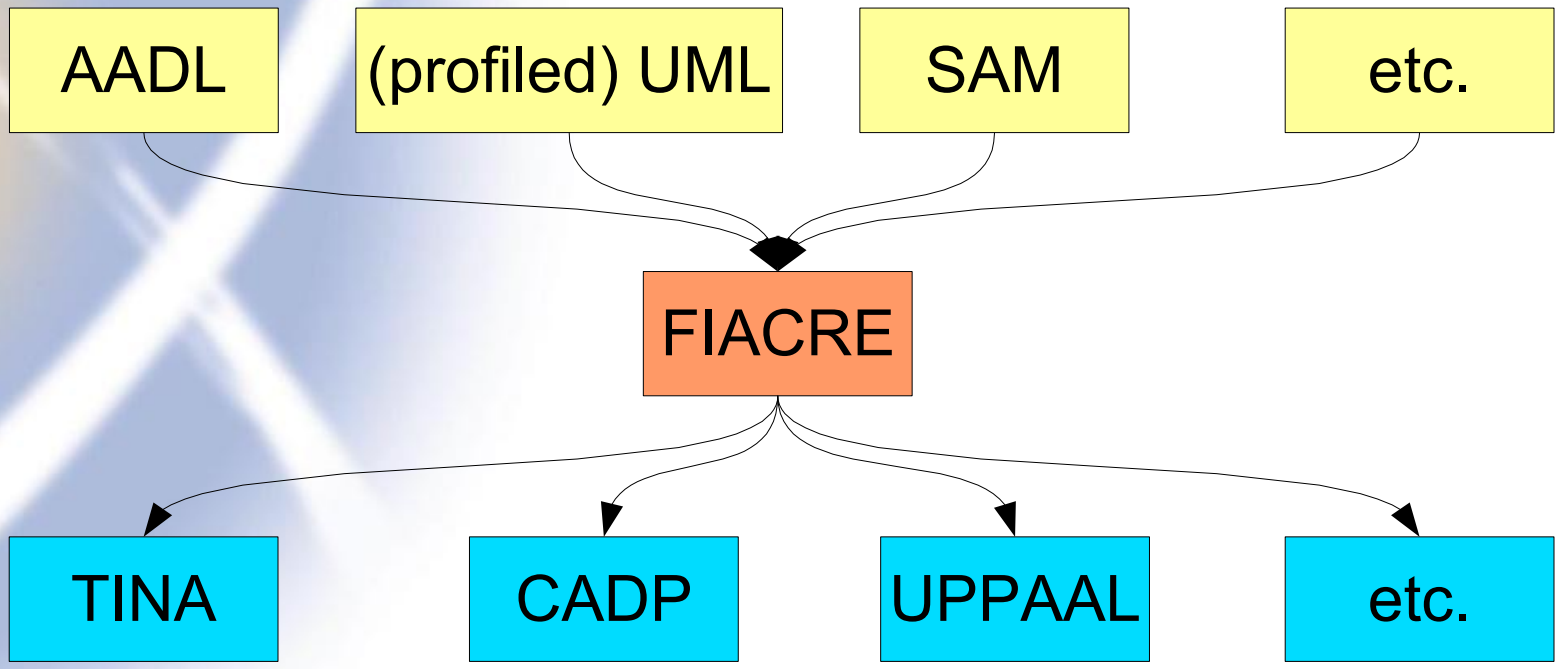
- An asynchronous language
- Built to simplify model verification tools integration
- Developed by LAAS, IRIT, INRIA and other OpenEmbeDD partners from COTRE results.