

OVERTURE



4th Overture Workshop

26 May 2008

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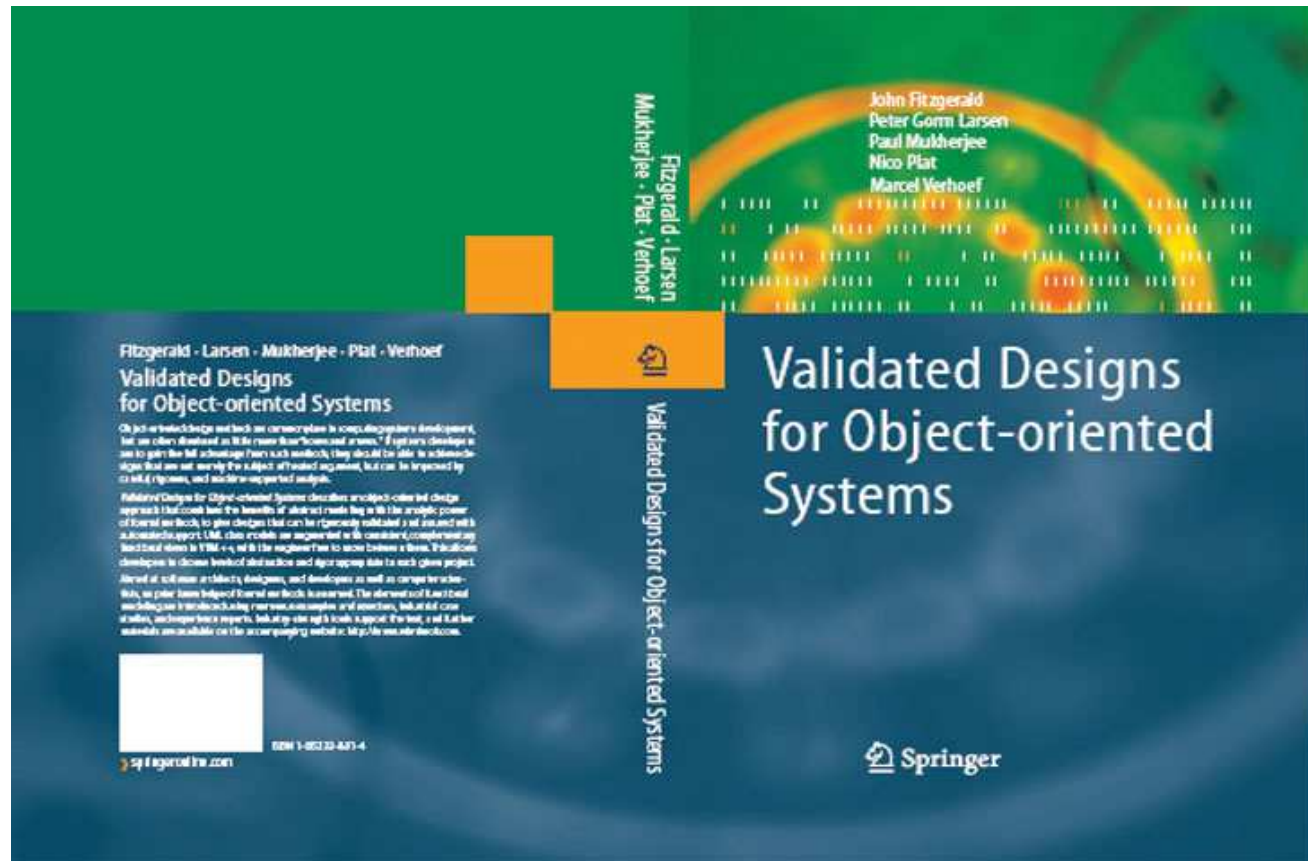


Where did it all start?

- 1992 – 1994: ESPRIT-III project AFRODITE was the start of VDM++ and an initial toolset
- 1994 – 2004: toolset and VDM++ taken up by IFAD (Denmark)
- Large customer base established: over 1000 users worldwide
- 2004: Start of Overture
- 2004: VDMTools taken over by CSK, Japan



“The Book”



www.vdmbook.com



Then disaster hit in...

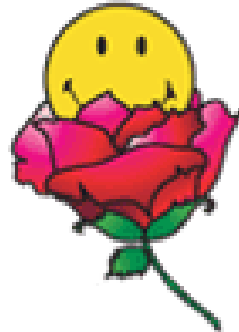
- IFAD went bankrupt (2004)
- No possibility anymore to include a “light” version of VDMTools with the book
- Since the book focuses on tool usage we had a problem.....





The Start of Overture

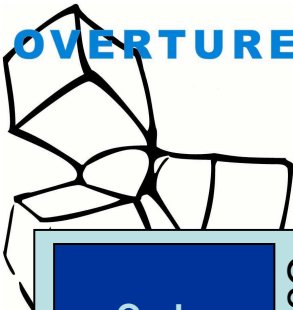
- Movement towards open source software
- New thinking, new technology in the area of IDEs and user interfaces
- Having more tools that support VDM++ can revitalise its use



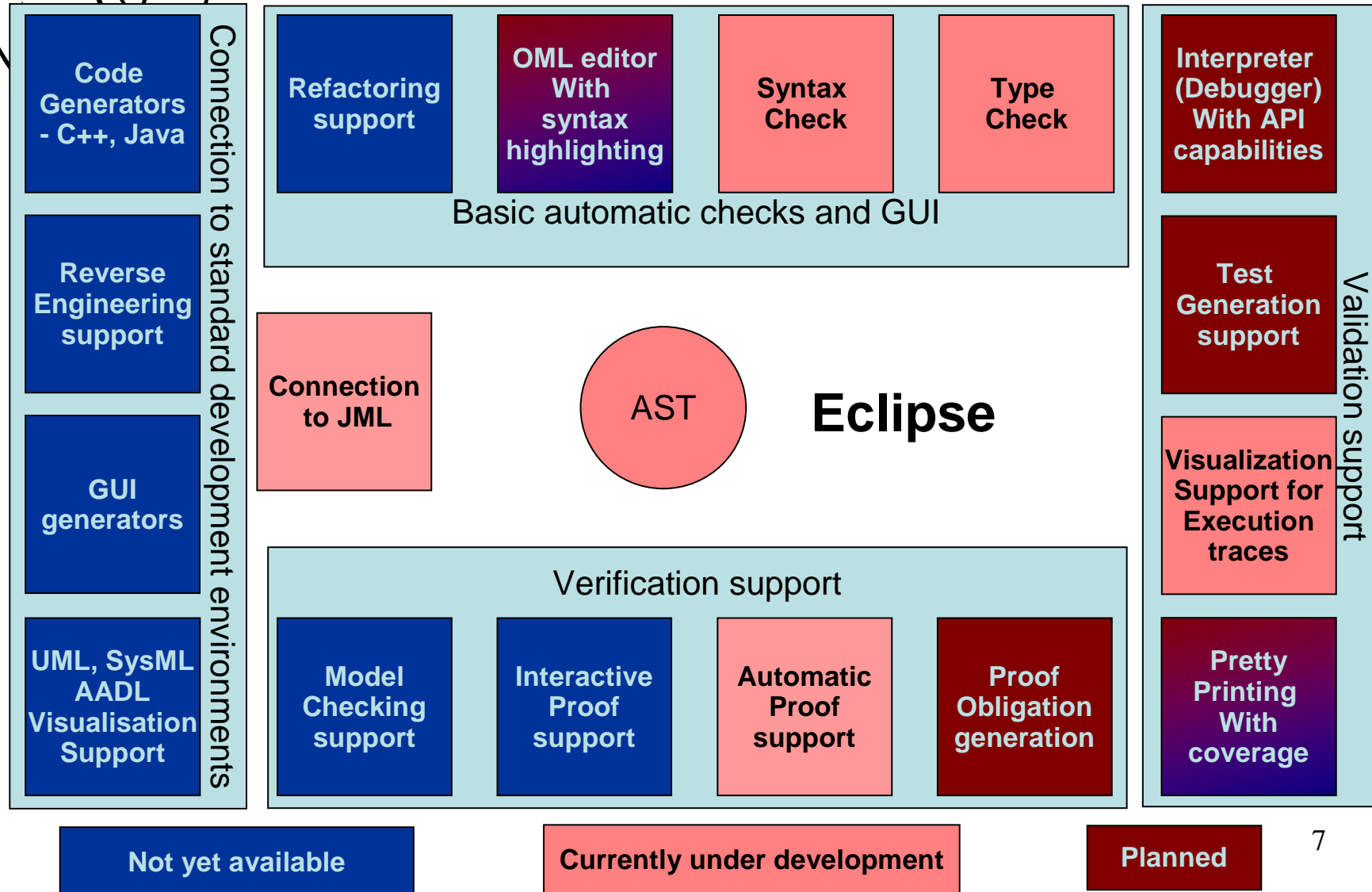


Status

- Usage of open source/open standards such as Eclipse
- Basic kernel and some features available
- Monthly meetings using MSN
- Short on resources
- Student involvement
- License policy: GPL
- Sourceforge:
<http://sourceforge.net/projects/overture>
- Web site: <http://www.overturetool.org>



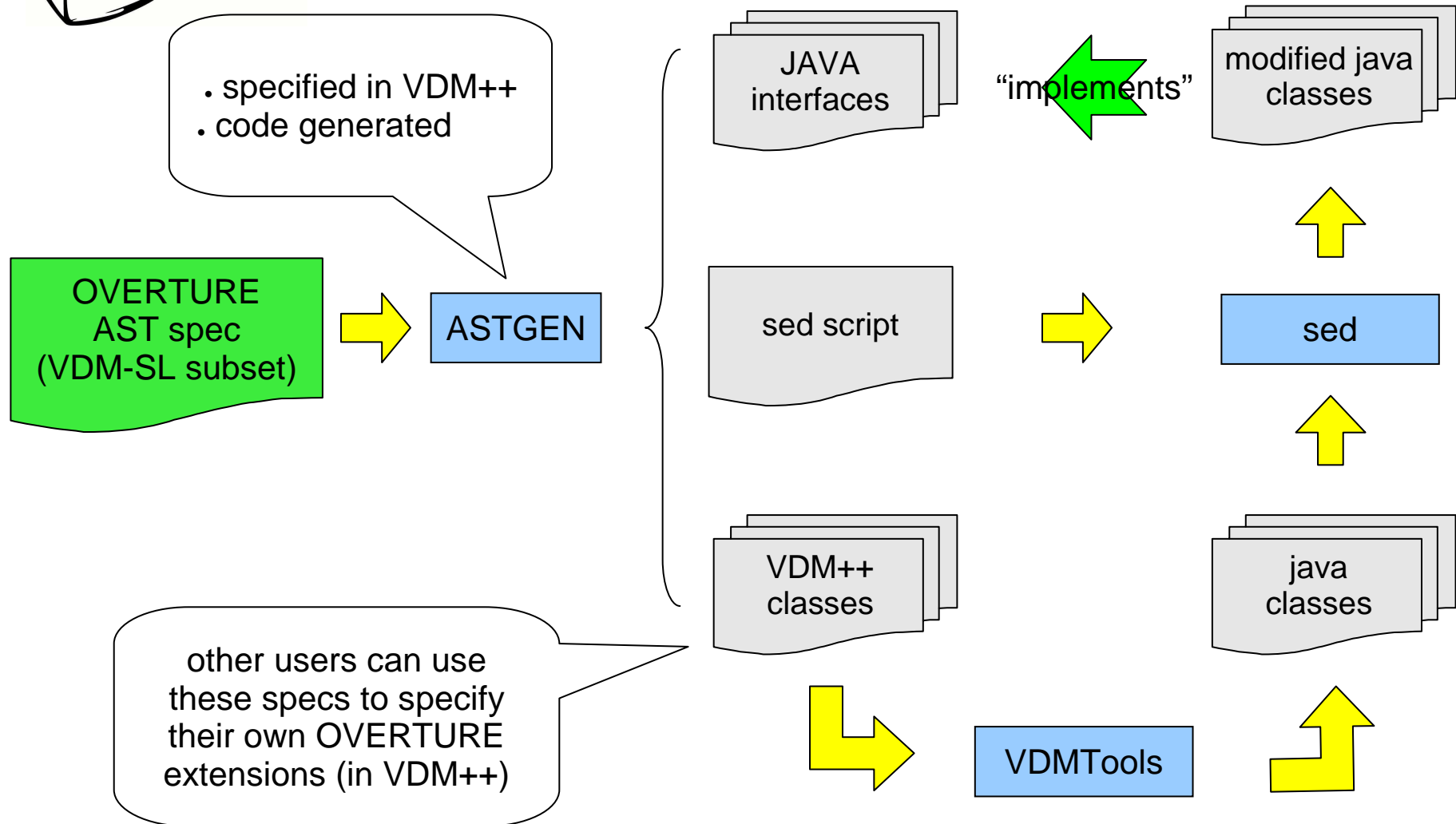
Overture Architecture



OVERTURE



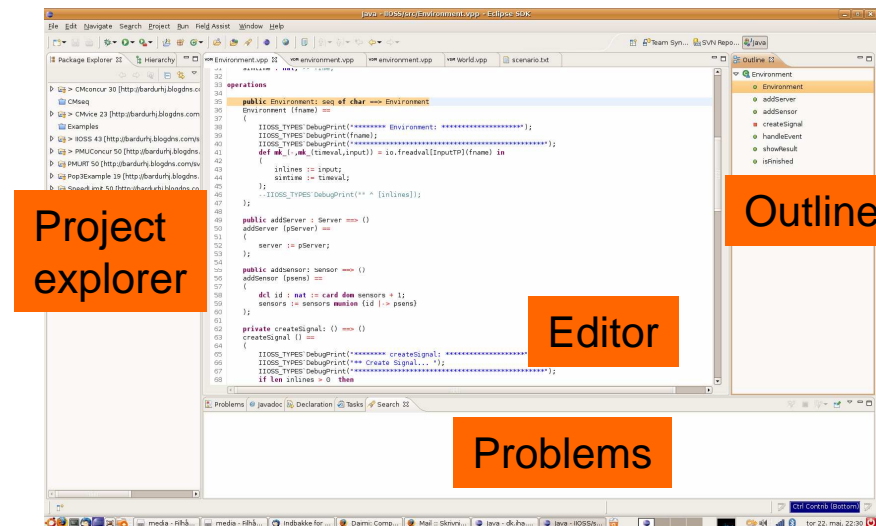
Automatic AST generation





Integration Architecture

- Common eclipse interface for Overture and VDMTools
 - Modelling perspective
 - Debugging perspective (like Java)
 - Proof perspective (like Deploy)
 - Co-simulation perspective
- Move between ASTs





Agenda for the day

- Introduction
- Presentations by:
 - Volker Stolz (twice)
 - Simon Tjell
 - Carlos Vilhena
 - Adriana Santos
 - Miguel Ferreira
 - Hugo Macedo
 - Sander Vermolen
 - Marcel Verhoef
- Update on VDMTools™ by 佐原 伸
- Brainstorm session
- Joint dinner (At your own expense)



Brainstorm

Potential subjects:

- H2 realise the integration architecture?
- H2 enable mapping between ASTs and maintain position information?
- When and where to arrange a new workshop with focus on tool integration

More ideas are welcome during the day!