Model Transformation goes declarative

QVT Relations in practice

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ikv

who we are

ikv++ technologies

- located in Berlin (de) and Yokohama (jp)
- developing model-driven solutions
- focus on automotive domain
- eclipse user

medini

- umbrella of our base technology
- integration and customization

medini QVT

- OMG's QVT Relations implementation
- just another part of our tech pool
- started 1,5 years ago

Consulting

model-based process automation and optimization

medini solutions

customized tool and development environments for our customers

medini base technology

meta modeling
model transformation
domain specific modeling methods and tool adapters

medini QVT engine - facts

OMG's QVT Relations implementation with compliance level:
syntax execution compliance

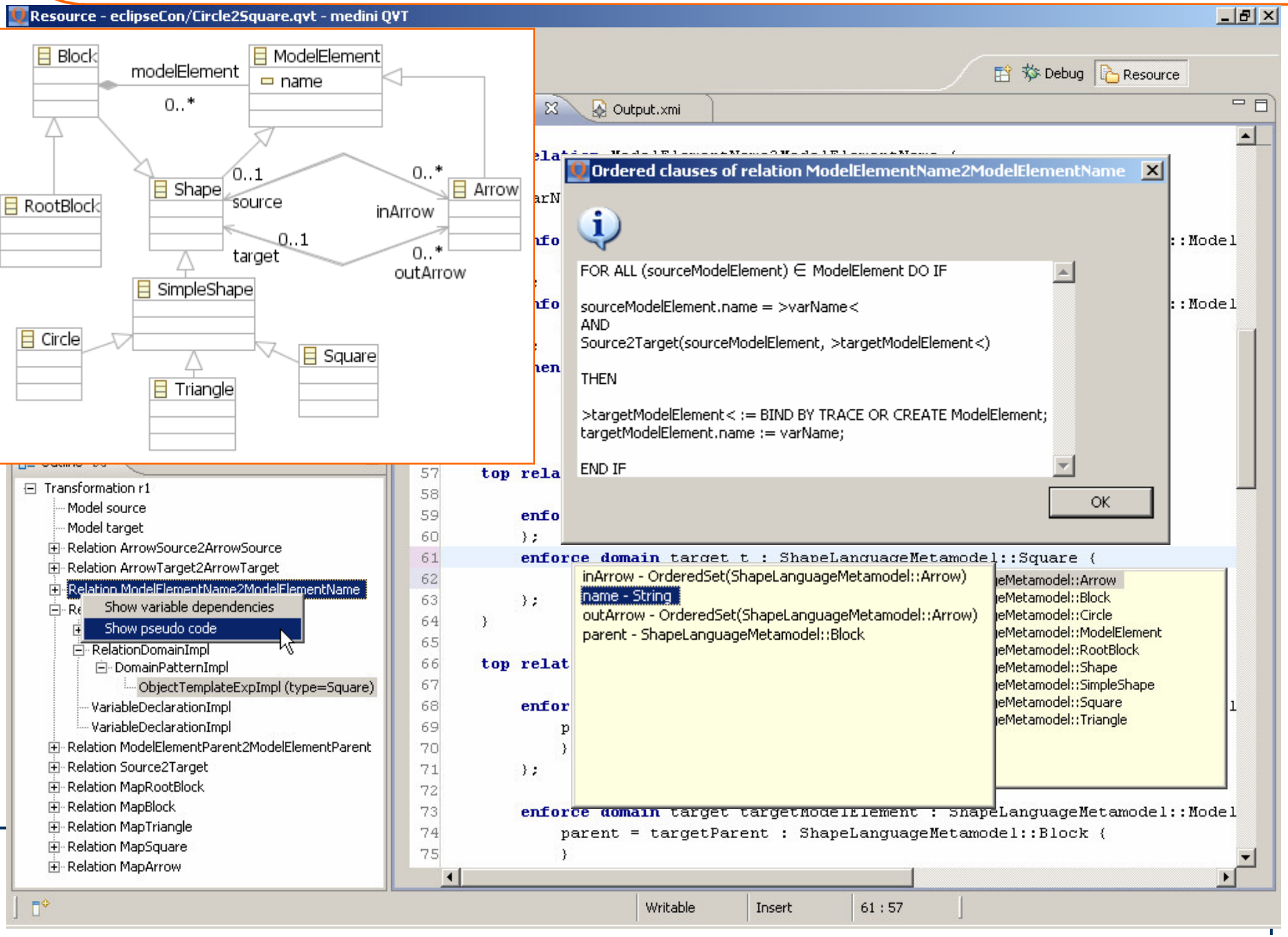
- pattern matching of object templates
- multiple domains – multiple models
- relation calls via *when* and *where* clauses
- OCL queries
- key concept
- in-place transformations
- black-box through user operations
- relation import
- (no object templates)

trace management

- enables incremental updates on re-transformation
- enables backward transformation (depends on rule)

direct implementation (no QVT Core mapping)

medini QVT editor



medini QVT debugger

like the Java debugger

- step into, step over, step return and resume
- breakpoints (with conditions)
- call stack view
- variable view (changing variable bindings)
- expressions view (watch points with code assistant)

let’s have a look…

last slide

source code available under the Eclipse Public License (EPL) at

http://projects.ikv.de/qvt

we welcome your feedback…

TRAC/Subversion system for

- downloads
- help and QA
- discussion forum
- **tutorial**
- **“how can I use the engine in my application?”**
- browse & checkout source code
- ticket system (bugs & features)

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