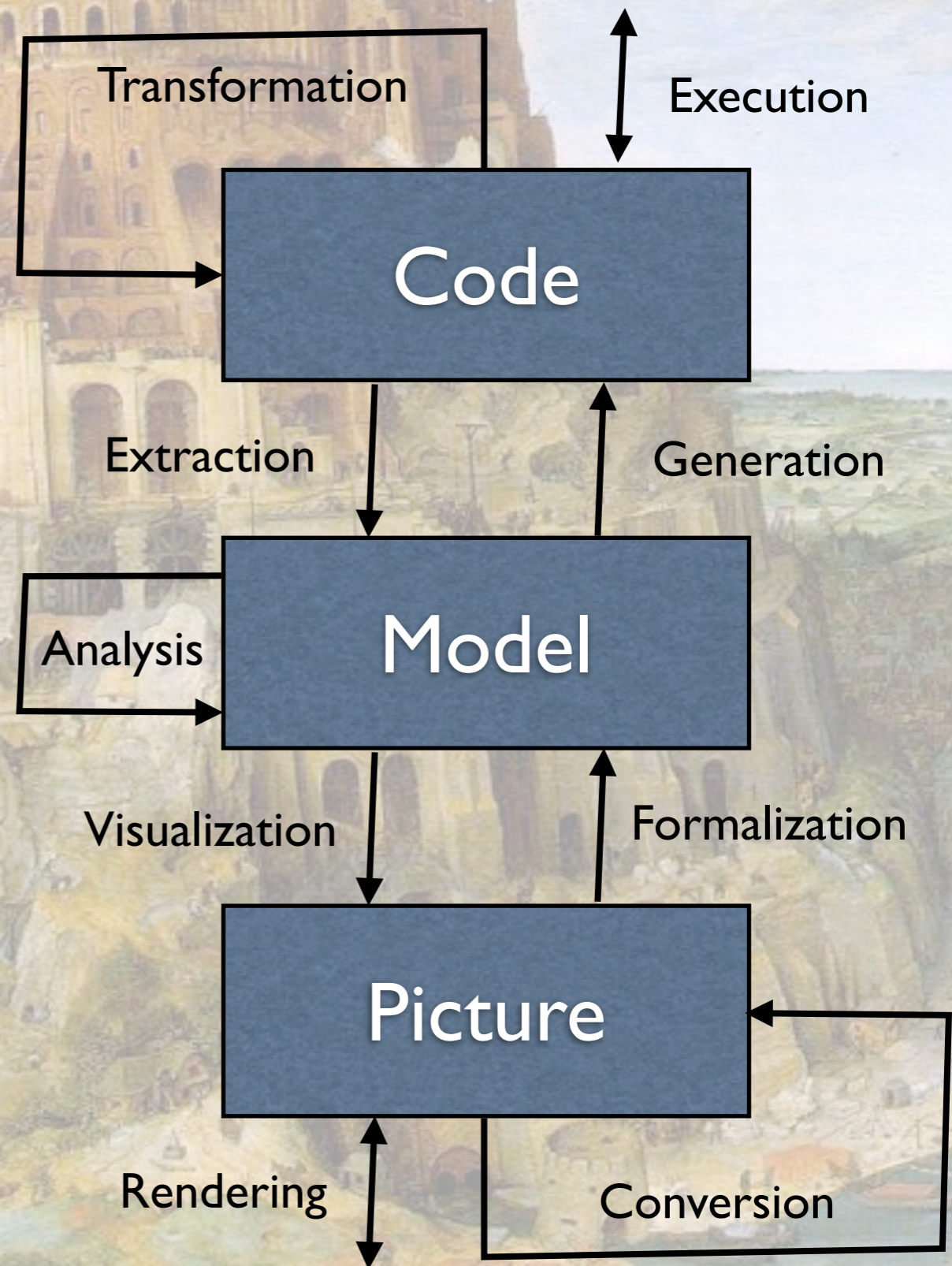


Tips & Tricks
for TUE students
doing Architecture Reconstruction
with Rascal

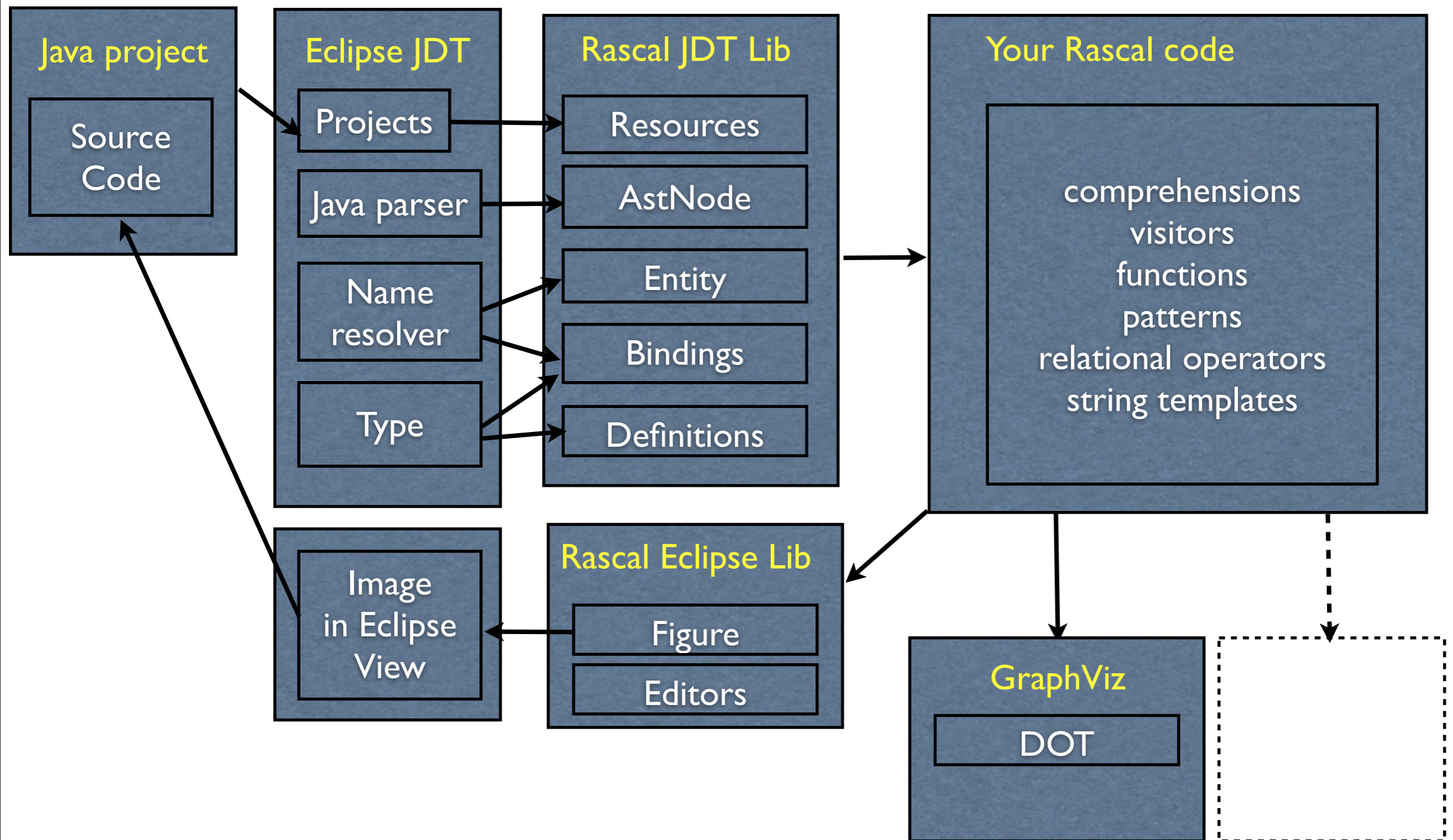
Jurgen Vinju

Rascal is a DSL for meta programming



(Brueghel, Tower of Babel)

Extract Analyze SYnthesize



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- Back to code
 - `Java::readable(Entity) -> "java.lang.Object"`
 - `IO::readFile(loc) -> "public int size() { return size; }"`

Getting facts

- `extractProject(l) -> Resource`
- `Resource@classes -> class declarations`
- `Resource@extends -> inheritance relation`
- ... etc.
- `{<readable(from), readable(to)> |
<from,to> <- proj@extends}`

Debugging

- IO::println, iprintln,
- util::ValueUI::text,tree,graph
- interactive debugger (~~Text~~ put a breakpoint)
- online manual?! <http://tutor.rascal-mpl.org>, also in Eclipse Tutor View
- online questions?! <http://ask.rascal-mpl.org>
- Issue tracker at github.org

Demo

- Inheritance diagram from Eclipse Java project
- Get code into an Eclipse Java project
- Start a Rascal project
- Start a Rascal console
- Browse library code and tutorial
- Script the tool
- <https://gist.github.com/jurgenvinju/4999479>