Reusing Legacy DSLs with Melange
A tool demonstration

Thomas Degueule, Benoit Combemale, Arnaud Blouin, Olivier Barais
Melange: a Meta-language for Modular and Reusable Development of DSLs

- An open-source (EPL) language workbench
- or... a meta-language for DSL engineering
- or... a language-based, model-oriented programming language

- Based on Xtext
- Seamlessly integrated with the EMF ecosystem
- Bundled as a set of Eclipse plug-ins
A metamodel specifies the AS
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**Sem** consists of computation steps and runtime data
• A metamodel specifies the AS

• $Sem$ consists of computation steps and runtime data

• Aspect-oriented modeling: $Sem$ is woven as methods in the AS
  • Based on static introduction

• Interpreter pattern

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Jézéquel et al., Mashup of metalanguages and its implementation in the kermeta language workbench, SoSyM, 2013
DEMO TIME!
THANK YOU

http://melange-lang.org