



HAL
open science

Variability Management in Domain-Specific Languages

David Méndez-Acuña, Benoit Combemale, Benoit Baudry

► **To cite this version:**

David Méndez-Acuña, Benoit Combemale, Benoit Baudry. Variability Management in Domain-Specific Languages. International School of Model-Driven Development for Distributed Real-Time Embedded Systems (MDDRES), Sep 2014, Aber-Wrac'h, France. , 2014. hal-01077788

HAL Id: hal-01077788

<https://inria.hal.science/hal-01077788>

Submitted on 27 Oct 2014

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

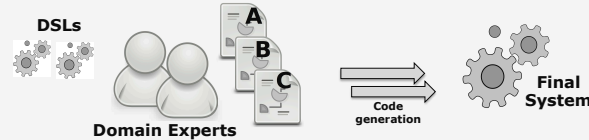
Variability Management in Domain-Specific Languages

David Méndez-Acuña, Benoit Combemale, Benoit Baudry

INRIA, Rennes. France

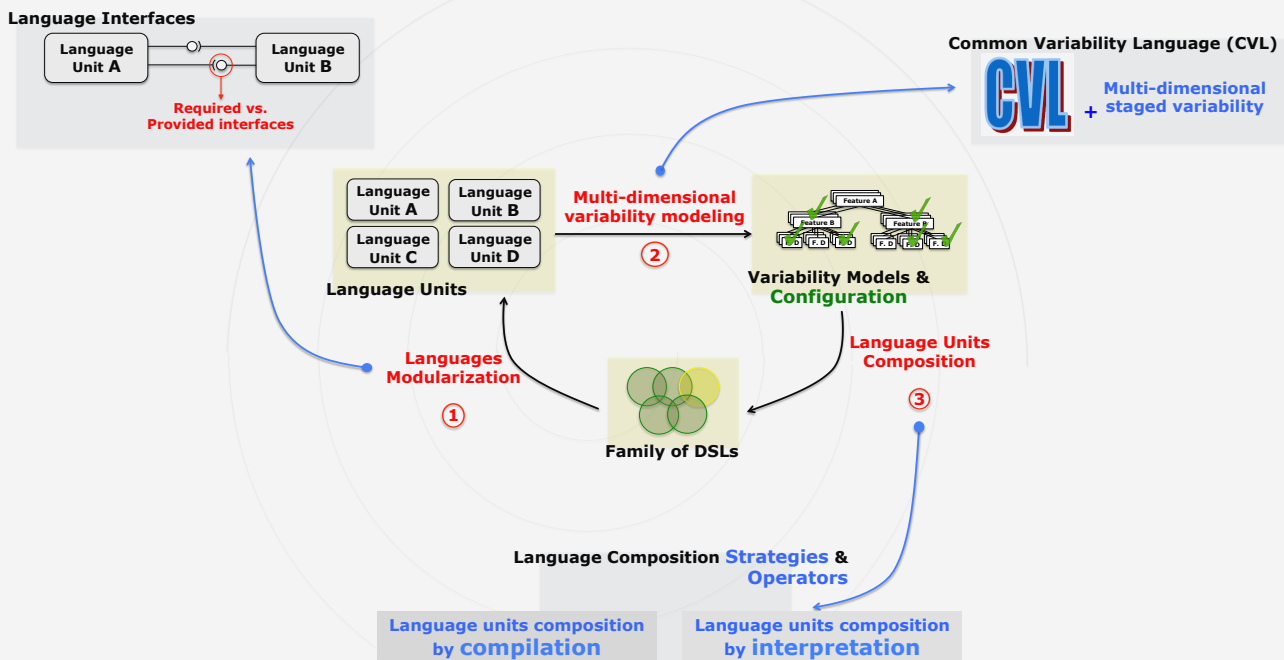
david.mendez-acuna@inria.fr, benoit.combemale@inria.fr, benoit.baudry@inria.fr

Domain-specific languages (DSLs) allow domain experts to express solutions directly in terms of relevant domain concepts and, for example, use generative mechanisms to transform DSL specifications into software artifacts (e.g. code, configuration files or documentation).



However, the development of DSLs is a challenging task due to the specialized knowledge it requires... Software Engineering techniques for Languages Development?

Software Languages Engineering



Acknowledgements

The research presented in this poster is supported by: (1) the European Union within the FP7 Marie Curie Initial Training Network « RELATE » under grant agreement number 264840; and (2) VaryMDE, a collaboration between INRIA and Thales Research & Technology.

References

1. Jean-Marc Jézéquel, David Méndez-Acuña, Thomas Degueule, Benoit Combemale, Olivier Barais. **When Systems Engineering Meets Language Engineering.** In *Proceedings of International Conference in Complex Systems Design & Management (CSD&M'14)*. Paris, France. 2014. Springer.

International Summer School in Model-Driven Engineering for Real-Time Embedded Systems

1 – 5 September, Aber Wrac'h