



HAL
open science

Community-driven DSL development with Collaboro

Hugo Bruneliere

► **To cite this version:**

Hugo Bruneliere. Community-driven DSL development with Collaboro. EclipseCon Europe 2012 - Modeling Symposium, Oct 2012, Ludwigsburg, Germany. hal-00745979

HAL Id: hal-00745979

<https://inria.hal.science/hal-00745979v1>

Submitted on 11 Apr 2023

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.

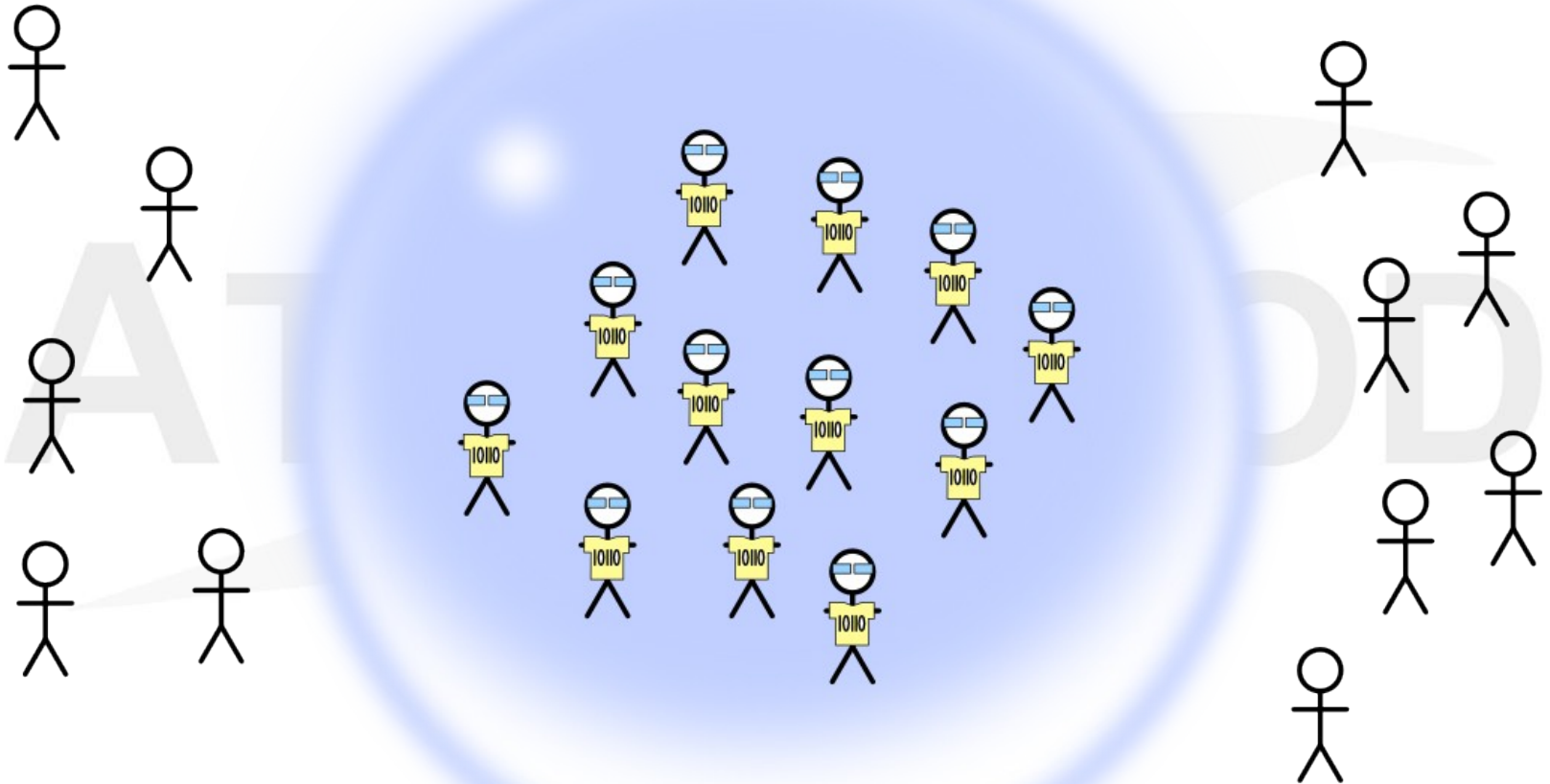
Collaboro - Community driven language development

Hugo Bruneliere

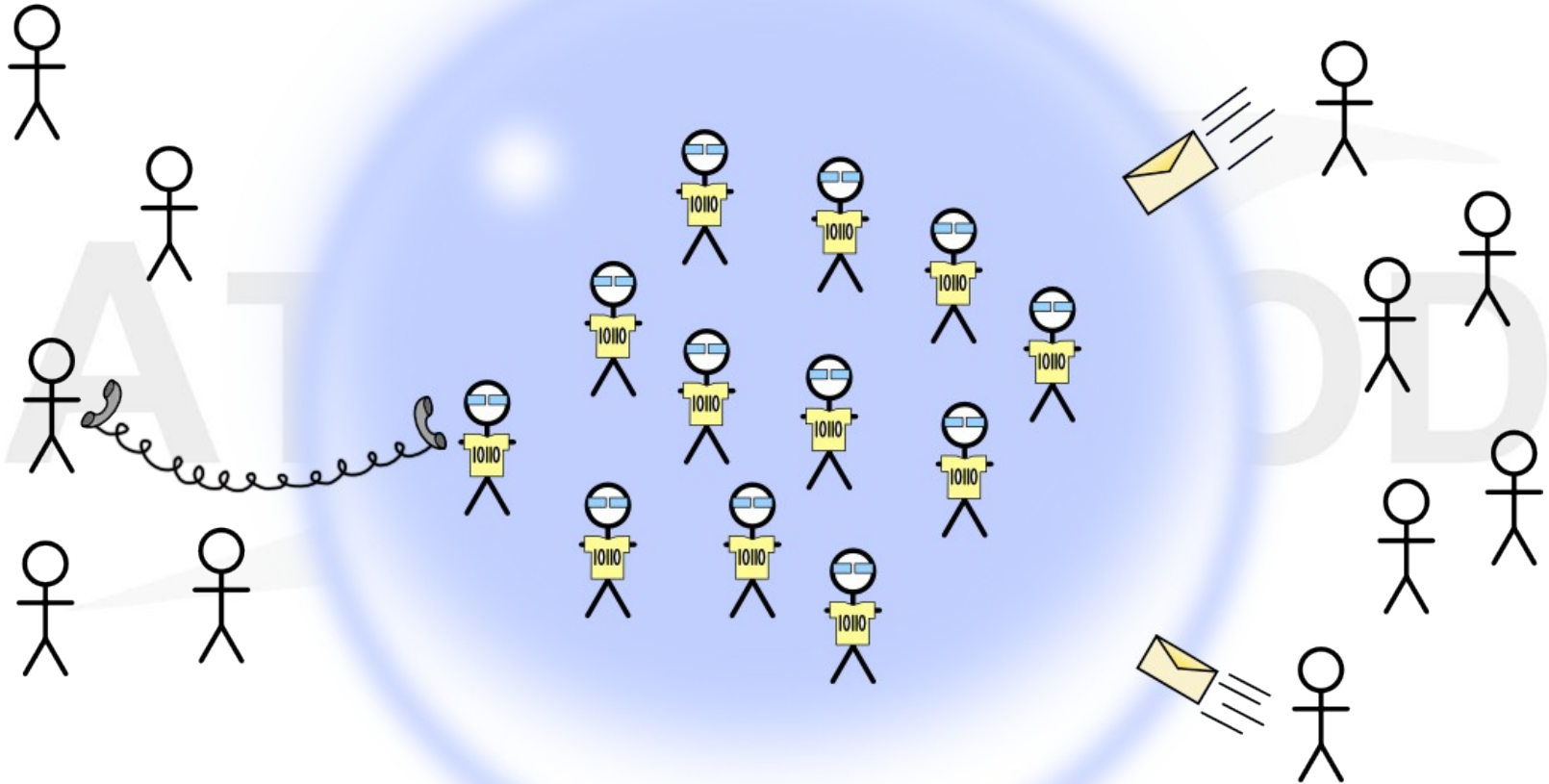
AtlanMod team (Inria, EMN & LINA)

EclipseCon Europe 2012 – Modeling Symposium
Tuesday 23rd of October 2012

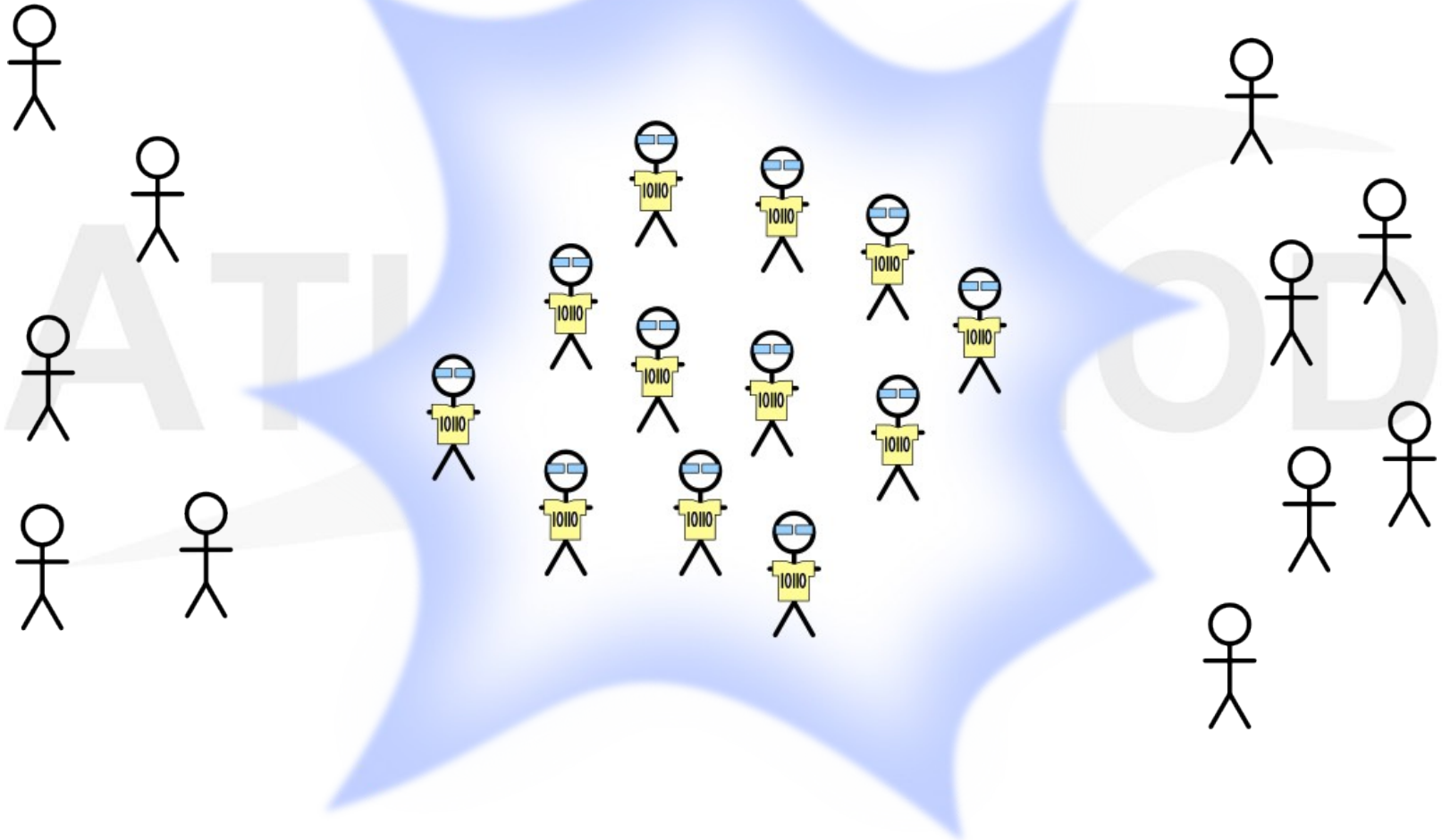
Developing DSLs...



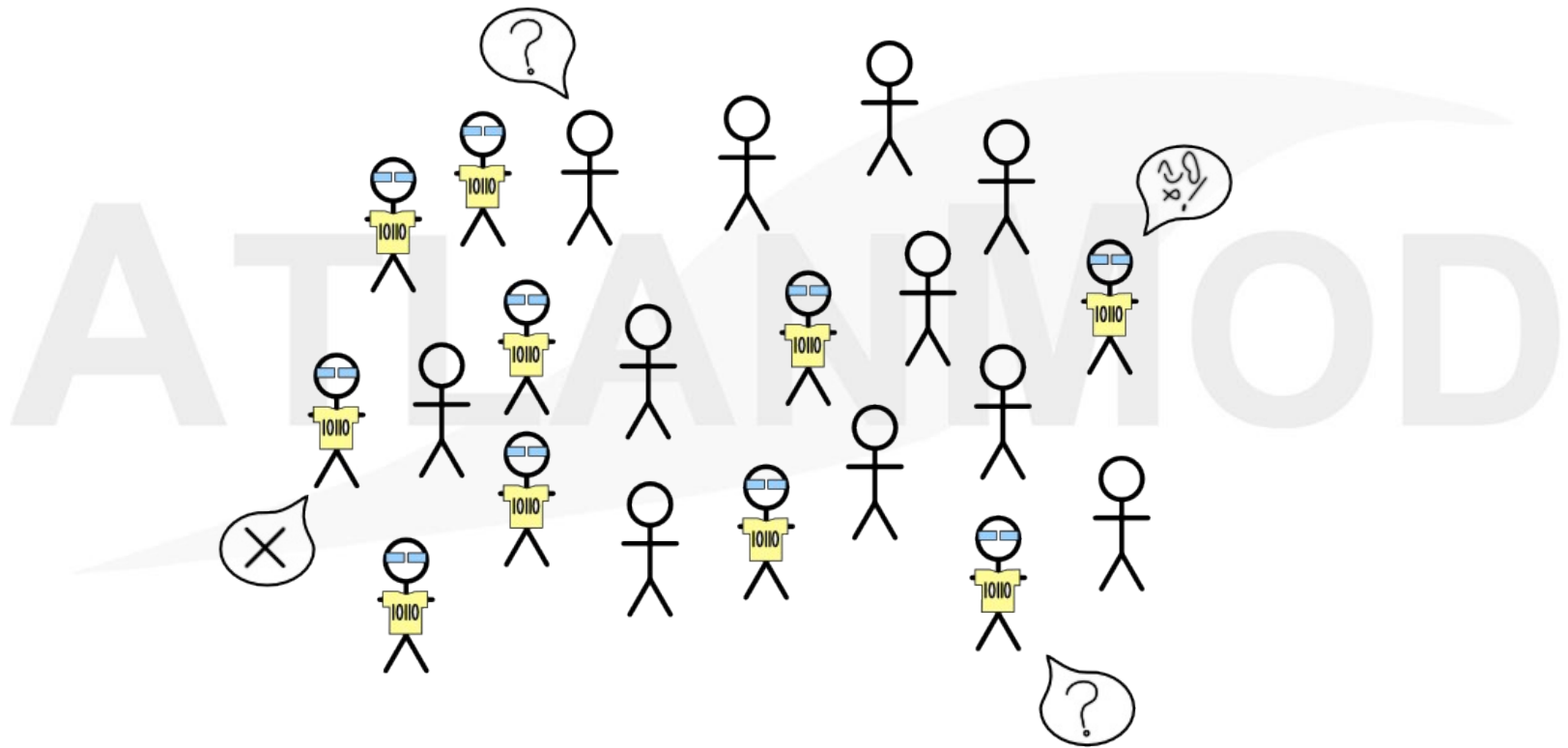
Developing DSLs...



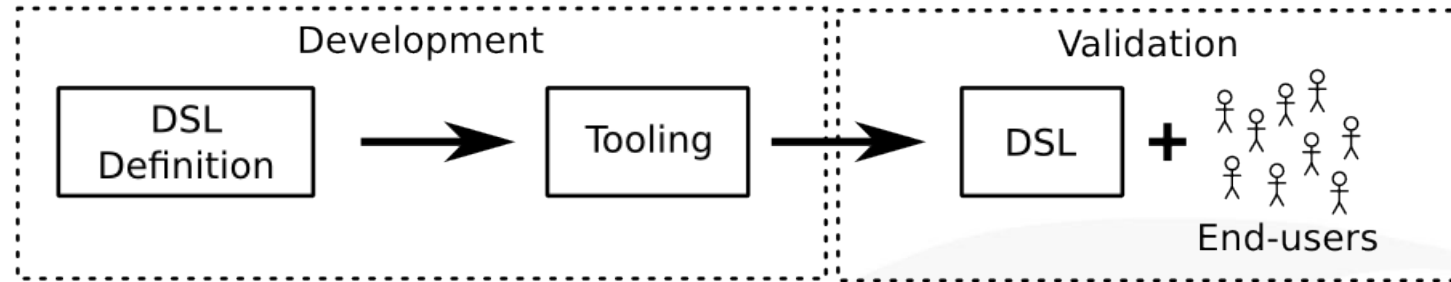
Developing DSLs...



Developing DSLs...

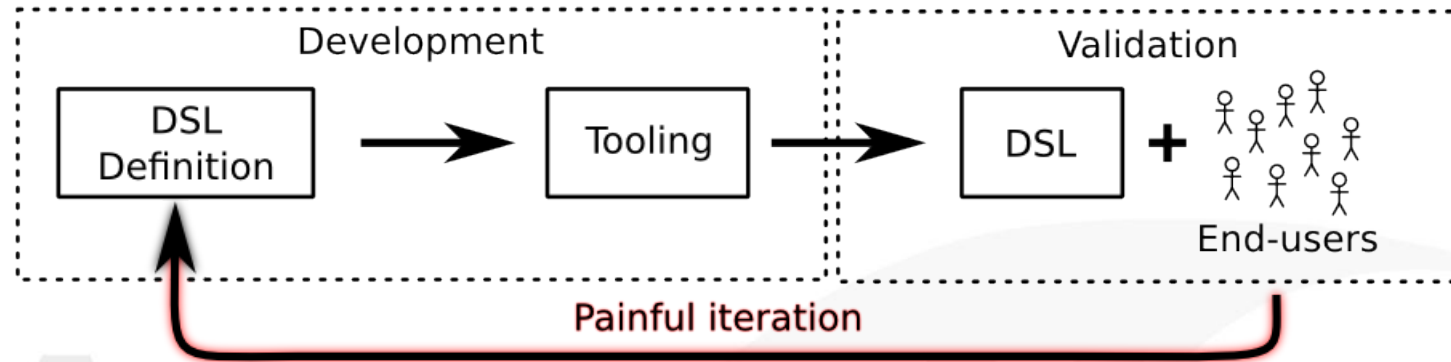


Collaboro: Enabling the collaborative definition of DSLs



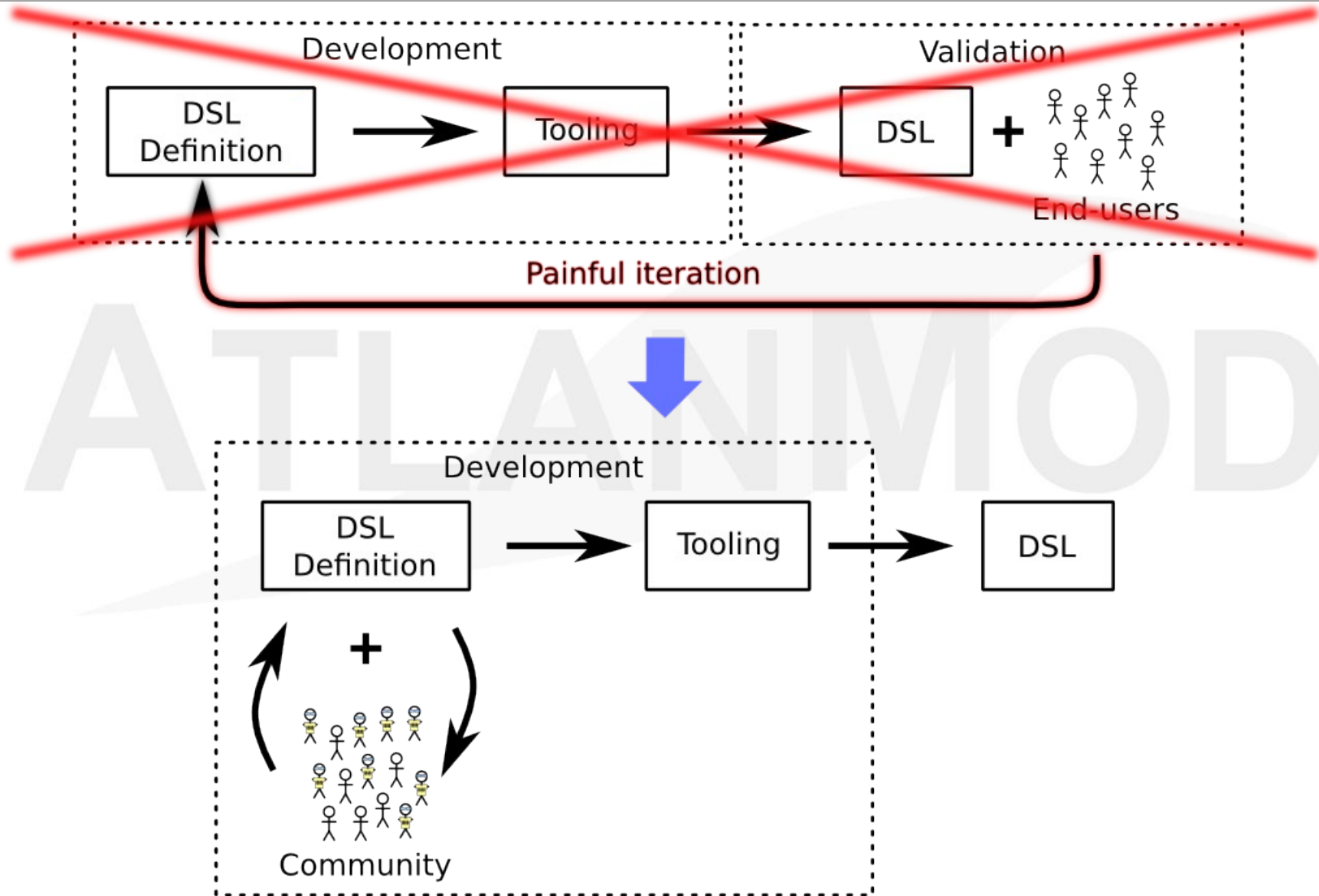
ATLANMOD

Collaboro: Enabling the collaborative definition of DSLs

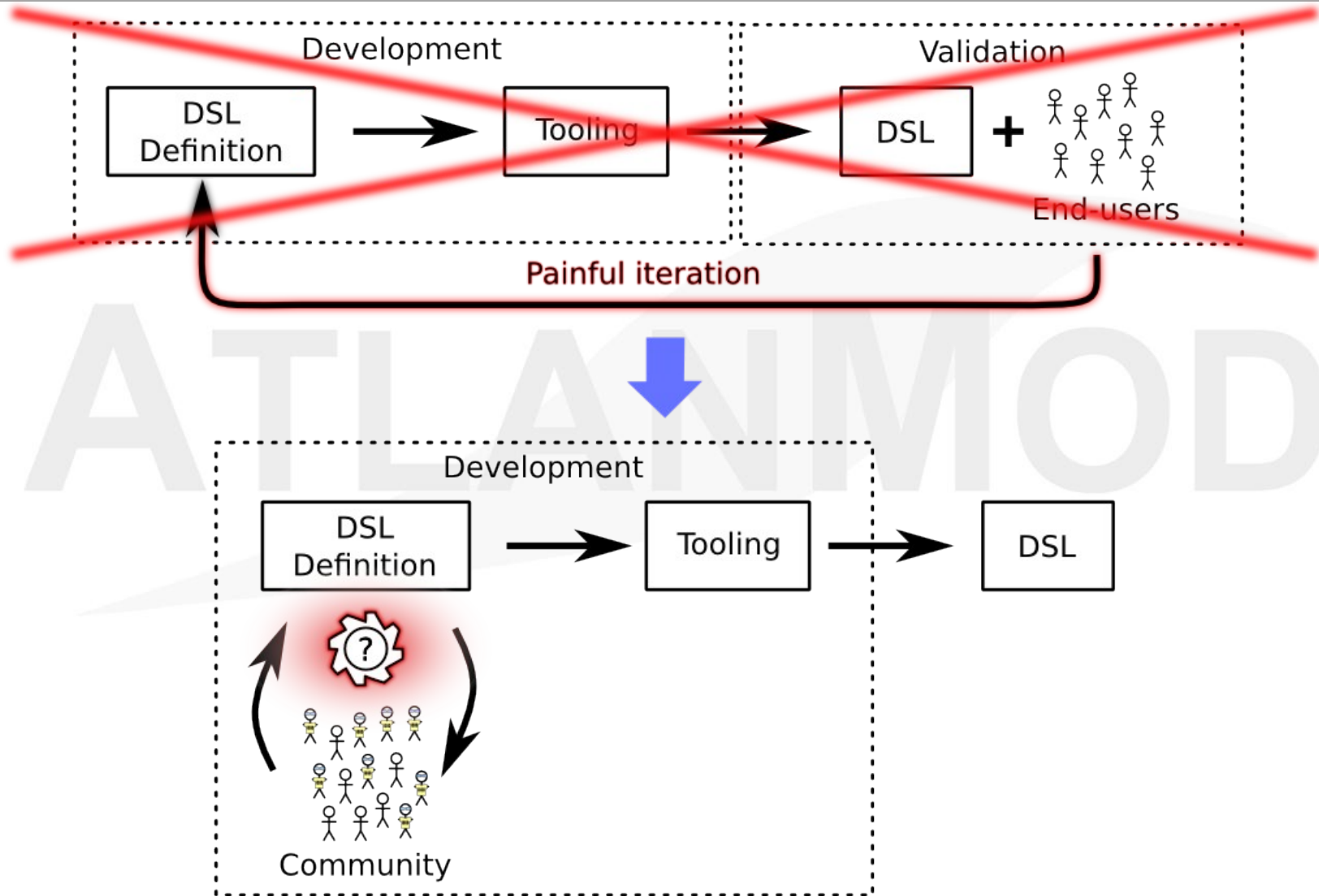


ATLANMOD

Collaboro: Enabling the collaborative definition of DSLs



Collaboro: Enabling the collaborative definition of DSLs



Collaboro: Enabling the collaborative definition of DSLs

- What do we **need**?

An infrastructure to deal with the collaborations arising when developing and/or evolving a DSL

- What do we **propose**?

A new tool, called Collaboro, to allow representing and handling proposals, solutions and comments during the DSL development process

- What shall we **get**? Features for...

- Justifying about changes in Ecore models
- Recording related discussions and comments
- Managing the community and voting
- Tracking changes and tracing design decisions

Collaboro: Enabling the collaborative definition of DSLs

- Demonstration link to be provided soon...



Collaboro: Enabling the collaborative definition of DSLs

- What we want to work on now...
 - Support for remote models and synchronous interactions via CDO
 - Initialization of the DSL first implementation for both textual (e.g. Xtext) or graphical (e.g. GMF) ones
 - Better support for non-technical users (e.g. via a simplified Web-based interface)
- What we also plan to do/explore in the future...
 - Discovering changes by looking to proposed examples
 - Generating examples from existing proposals
 - Improving the decision policies (user right managements)
 - Supporting constraints expressed in the metamodel (e.g. OCL)

Thanks for your attention!

- Collaboro from EclipseLabs

<http://code.google.com/a/eclipselabs.org/p/collaboro/>



- AtlanMod contacts

- Javier Canovas - javier.canovas@inria.fr
- Hugo Bruneliere - hugo.bruneliere@inria.fr