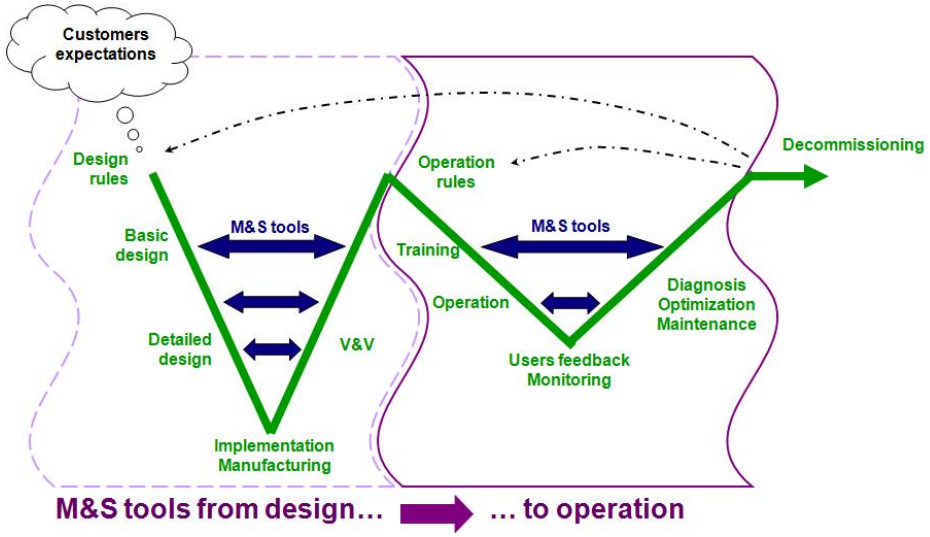
ITEA 2

INFORMATION TECHNOLOGY FOR EUROPEAN ADVANCEMENT



MODRIO

Deliverable 6.5.2 – M12
New version of the System Dynamic Tool

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MODRIO

Download

- New version of the tool can be downloaded from:

https://www.simantics.org/simantics/download

New Features

- Simantics System Dynamics 1.7 – version number
- Forum
- Migration
- Text feed assistant
- OpenModelica
- Real-time display of errors/warnings
- Paste special
- Enumeration definitions for multiple variables
- Bug fixes

Simantics System Dynamics 1.7

- Version number is 1.7, since the last version was 1.6
- Future versions will switch from numbers to names
  - Naturally version numbers will exist, but users do not need to see them
  - Changing a name will bring large and visible changes
  - Smaller changes are published with the same name

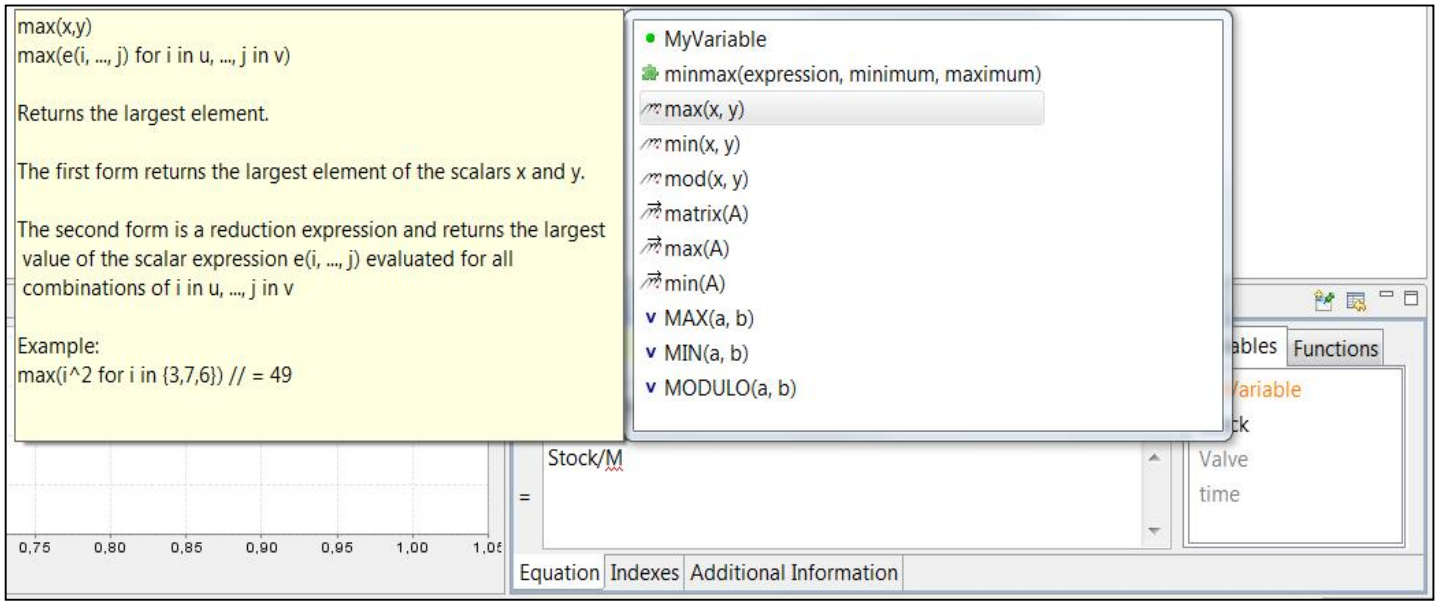
Simantics System Dynamics Forum

- https://www.simantics.org/sysdyn-forum/
- No content yet :(

Migration

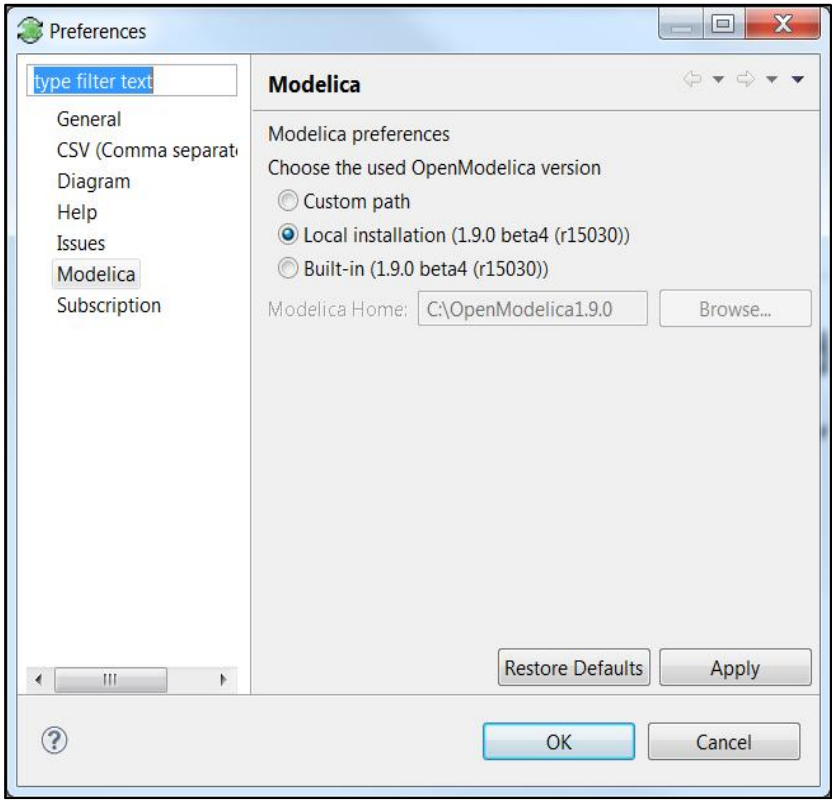
- Models created with 1.6 version will migrate to 1.7 during model/module/function import

Text Feed Assistant

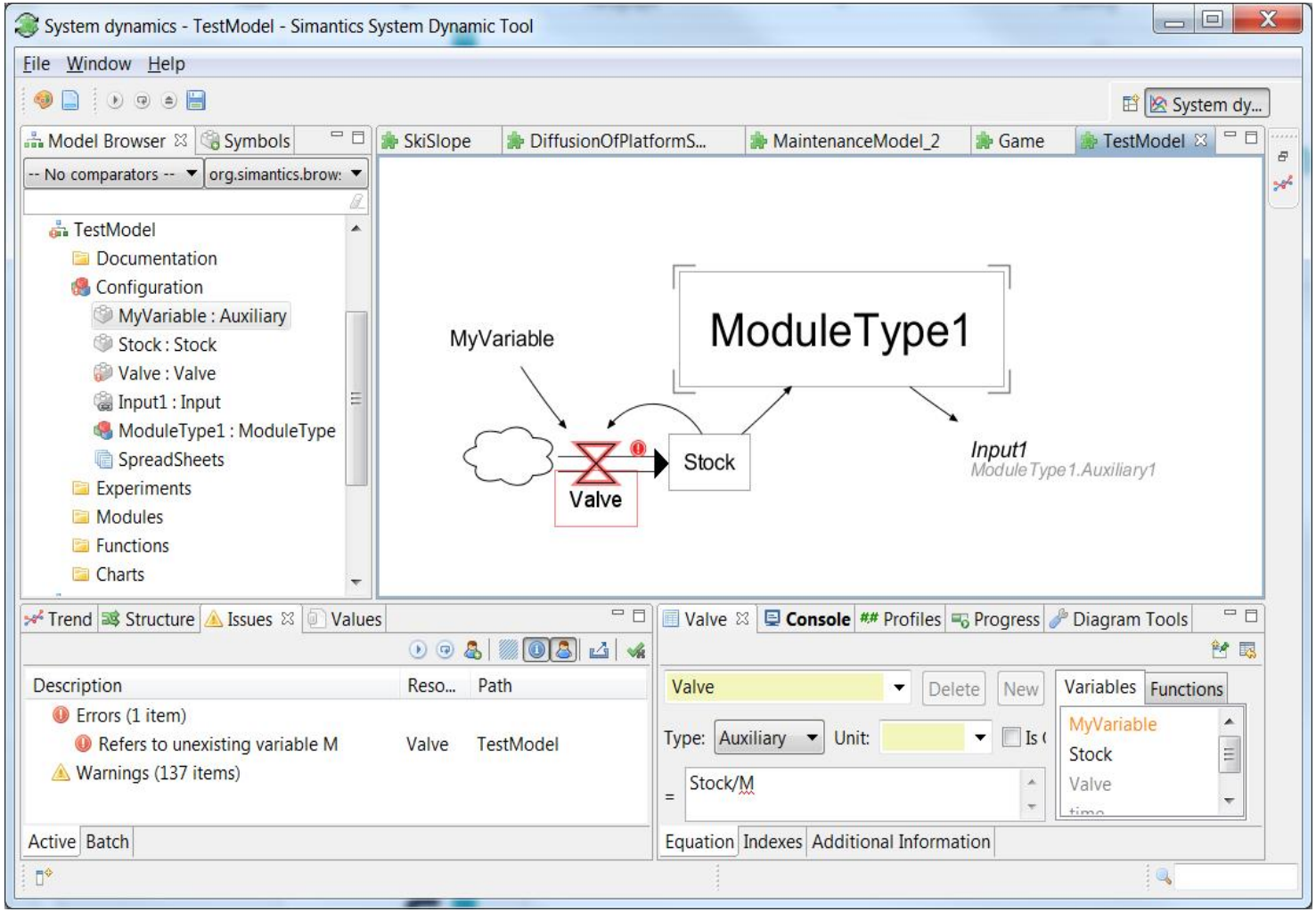


OpenModelica

- Included version updated to OpenModelica 1.9 Beta 4
  - Performance improvements
- Preferences page for selecting desired OpenModelica version



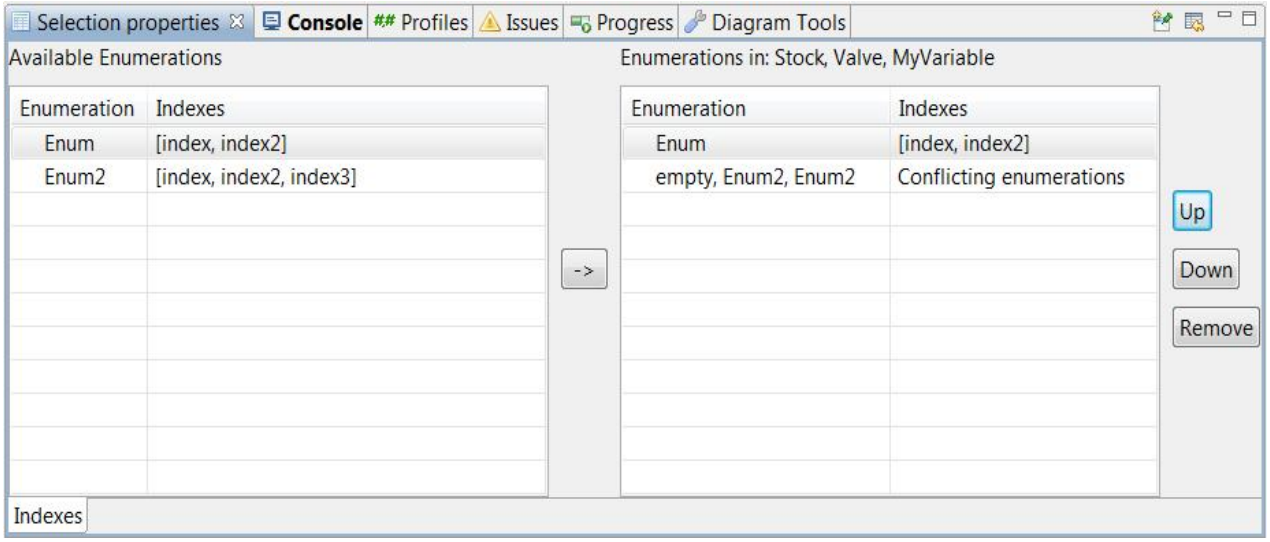
Real-time Display of Errors and Warnings



Paste Special

- Paste 1-n variables to a diagram with the same suffix or prefix.
  - Auxiliary -> MyAuxiliary
  - Stock -> MyStock
  - …
- No need to append numbers to variable names

Enumeration Definitions for Multiple Variables



Most Notable Bug Fixes

- Ctrl+C now works in the equation editor
- Variable mapping does not break after a variable has been deleted
- Diagram does not lose key bindings (e.g. delete) after modelling a while