





BiVeS & BudHat

Version Control for Computational Models

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7th International CellML Workshop









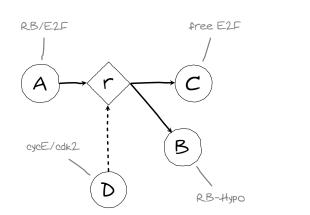
Format-independent, graph-based model storage store retrieve Management Information Retrieval-based model search and ranking rank Version 2 track development latest Version 1 Diff-based model version control

March 25, 2013 Bives & Budhat I Martin Scharm

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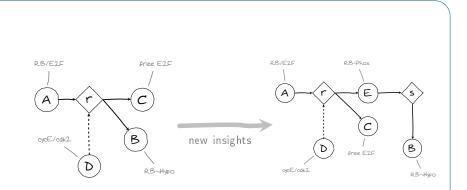






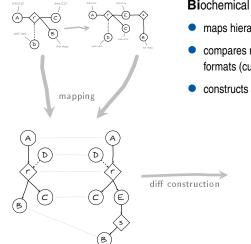






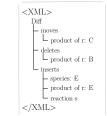






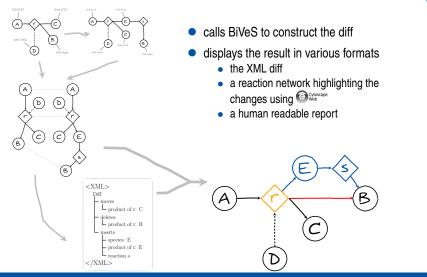
Biochemical Model Version Control System

- maps hierarchically structured content
- compares models encoded in standadized formats (currently: SML and Kilm)
- constructs a diff (in XML format)













lets take a look at our tools in action!

http://budhat.sems.uni-rostock.de





BiVeS & BudHat can be integrated in extisting repositories!

Requirements:

- Models must be encoded in standadized formats (e.g. CellML or SBML)
- Each version of a model must be accessible for BudHat (either physically or through an API)
- Java based web server (e.g. tomcat), may run on a seperate node

If you are interested in using our tools feel free to contact us.





- BiVeS = Difference detection for hierarchical structures
- BudHat = Visualization of changes
- Both tools are open source
- We do not want to establish yet another platform
- Our goal is to extend existing models repositories with a valuable version control mechanism







That's it! Stay tuned ;-)

SemsProject
http://sems.uni-rostock.de
http://budhat.sems.uni-rostock.de

Questions? Suggestions? Recommendations? Drop me an email: martin.scharm@uni-rostock.de



