





The CombineArchive Toolkit

facilitating the transfer of research results.

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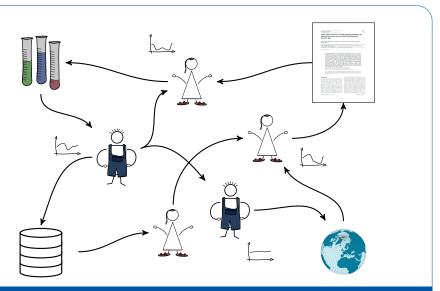
http://sems.uni-rostock.de



SBI Research Seminar WS 2014/2015

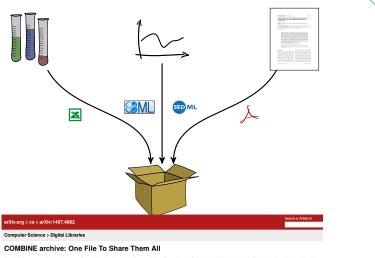


How do you share your data?









Frank T. Bergmann, Richard Adams, Stuart Moodie, Jonathan Cooper, Mihai Giont, Martin Golebiewski, Michael Hucka, Carnille Laibe, Andrew K. Miller, David P. Nickerson, Brett G. Cilviev, Nicolas Rodríguez, Herbert M. Sauro, Martín Scharm, Stian Soiland-Reyes, Dagmar Waltemath, Florent Yvon, Nicolas Le Novère



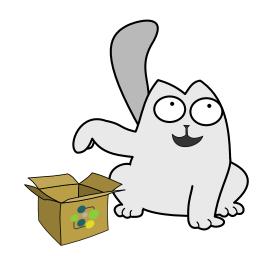
- OMEX: Open Modelling EXchange Format
- Contents:
 - · manifest.xml information about files and their formats
 - Meta data files clerical information
 - The files necessary to reproduce a modelling result
- Already convinced















Martin Scharm

Dagmar Waltemath





Florian Wendland

Tom Theile





Markus Wolfien

October 20, 2014 CombineArchive Toolkit | Martin Scharm, Florian Wendland





- Java library:
 - Oragnise files
 - · Attach and retrieve meta data
 - · Build, validate, and repair archive
- Desktop Application
- Web Interface





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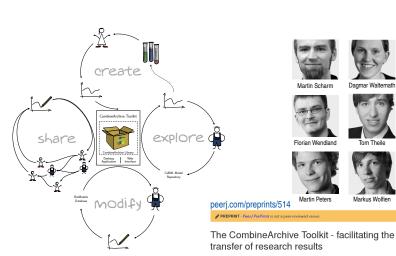
Martin Peters

Markus Wolfien

Website: sems.uni-rostock.de/cat







Martin Scharm^{III}, Florian Wendland, Martin Peters, Markus Wolfien, Tom Theile, Dagmar Waltemath



Foundry Workshop The CombineArchive Toolkit

What does my tool do? The CombineArchive Toolkit facilitates the transfer of research results.

What are the neighbors of the tool? Our library can be integrated in websites, databases, and other software projects to add support for COMBINE Archives. The user interfaces provide intuitive access to COMBINE Archives for end users.

Who are the users of the tool? Every scientist can use the CombineArchive Toolkit to share reproducible research results. Software developers may integrate our library into their tools.

What is the current sustainability concept? The format as well as our tools are open and free to use for everyone interested in reproducibility.

How does this fit in with ELIXIR/ISBE/National efforts? The combine archive format was co-developed by active members of ELIXIR, ISBE, and the BMBF. Thus, this format is supposed to become the standard format in these societies.







Thank you for your attention!

SEMS group

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@SemsProject
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Bundesministerium für Bildung und Forschung