

Advanced editor for the biocep workbench

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The biocep project^[1] is a general unified solution for integrating and virtualizing the access to R engines/servers and aims to become the federative user friendly computational e-platform for research, finance and education. The virtual workbench is part of the biocep project and brings a flexible user interface that can easily be extended by the use of plugins.

The *advanced editor for the biocep workbench* is one of these plugins, providing a very powerful and customizable text editor — based on jedit^[2] — directly integrated to the virtual R workbench. The plugin embeds jedit and its dockable windows as views of the workbench, and embeds a set of jedit enhancements specific to the use of R. The current feature set includes syntax highlighting, informative code completion, an object explorer, minimal support for Roxygen, detection of potential errors in R code, a code analysis tool, ...

The presentation will give a snapshot of the current features of the plugin, as well as an overview of the next phases of its development.

References

- [1] Karim Chine. Biocep, Towards a Federative, Collaborative, User-Centric, Grid-Enabled and Cloud-Ready Computational Open Platform, *escience*, pp.321-322, 2008 Fourth IEEE International Conference on eScience, 2008
- [2] Jedit developer team. JEdit, Programmer's text editor, 2009. <http://www.jedit.org/>