

RDF, Jena, Bioclipse, Eclipse, Zest: Mashups

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Keywords

Rdf, Bioclipse, Apache

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chem-bla-ics

Quite a while ago, I blogged about [Zest](#) in [Bioclipse](#) showing [a bit of ONS Solubility data](#). I could not follow up on that until now, as I had yet to do a lot of [RDF](#) work in Bioclipse, so the screenshot back then was kind of a [mockup](#).

Things are different now, and the Bioclipse-RDF functionality (using [Jena](#)) is released in [Bioclipse 2.2](#) (see [Semantic Web features in Bioclipse 2.2](#)), and I got around to writing the graphical goodies for the following papers. Not submitted yet, but here's the screenshot showing a N3 file opened with a Zest-powered editor (read-only) and a plain text editor:

The screenshot displays the Bioclipse application window. On the left is the 'Bioclipse Nav' sidebar with a tree view of project folders including LaTeX, Medea, MyExperiment, NMRShiftDB, OpenTox, OWL, PharmaBio, QSAR1, and RDF. The 'RDF' folder is expanded to show files like 'molAnn1.n3'. The main area is split into two panes. The top pane, 'RDF Graph Viewer', shows a graph with nodes representing URIs and literals. The nodes are: 'http://rdf.openmolecules.net/?mol3', 'Molecule 2', 'http://rdf.openmolecules.net/?mol2', 'http://www.bioclipse.net/structuredb/#Molecule', 'http://www.w3.org/2000/01/rdf-schema#Resource', and 'http://www.w3.org/2000/01/rdf-schema#Class'. Edges connect these nodes with labels like ':sameAs', ':name', ':type', and ':formalCharge'. The bottom pane, 'molAnn1.n3', shows the corresponding N3 code in a text editor.

```
6ron:mol2 a sdb:Molecule ;
7  sdb:name "Molecule 2"@en ;
8  sdb:formalCharge "1"^^xsd:int .
9
10ron:mol3 owl:sameAs ron:mol2 .
11
```