

My FOAF network #2: XSLT for a HTML GUI



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Keywords

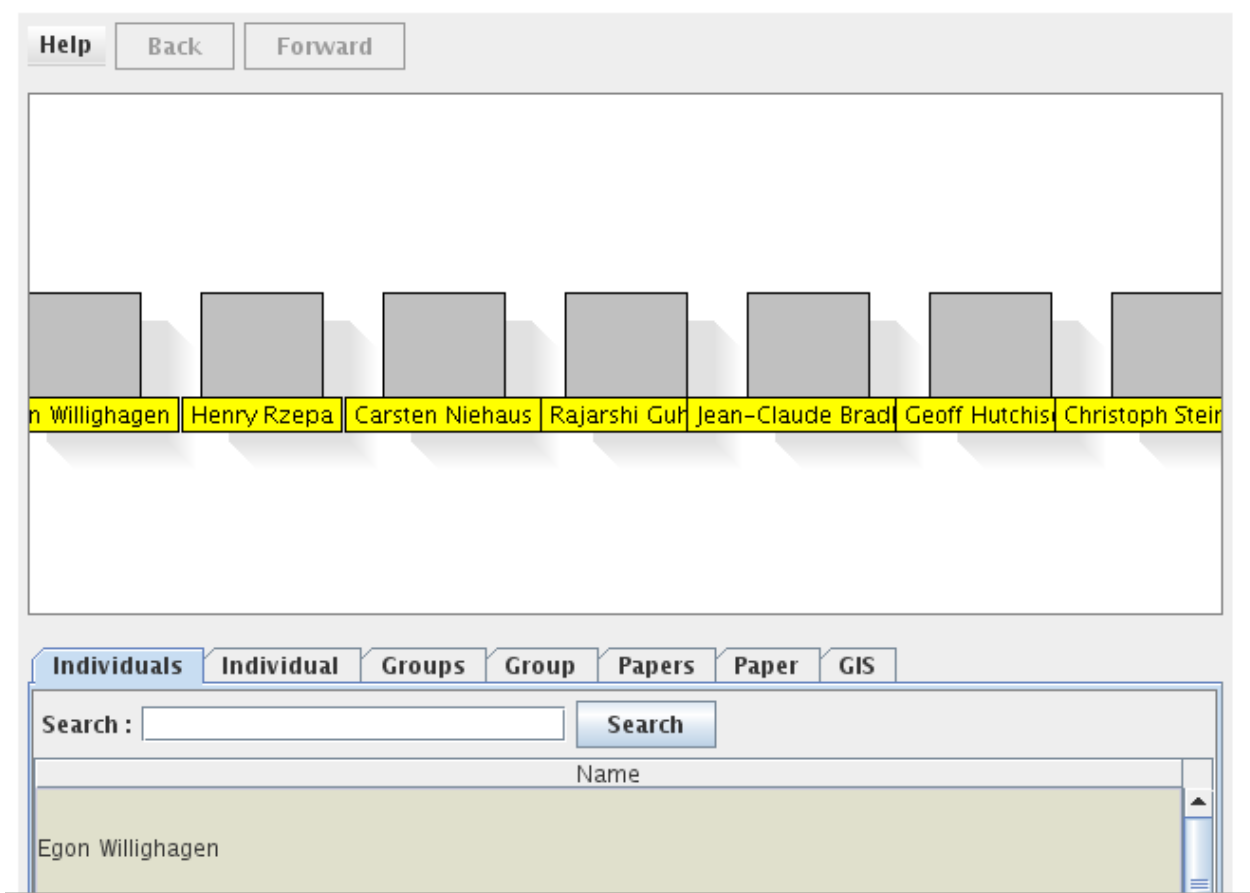
Semweb, Blue-obelisk

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Because the ACS meeting where [Henry](#) will present something about FOAF in chemistry, is nearing very fast now (here's the [first blog it this series](#)), it becomes urgent to beef up the [Blue Obelisk](#) FOAF network, now consisting of [7 members](#). All do now show up in [the FOAFExplorer](#):



Now, to make sure that my FOAF is in order, I set up the regular XML/RDF toolchain, using *xmllint* to validate the XML and RDF syntax, and [XSLT](#) to convert the FOAF to human readable HTML. Using the `?xml-stylesheet?` syntax this also provide the basic HTML GUI when accessing [the FOAF file](#) using Firefox. BTW, I had to rename the file to make the SourceForge web server aware that the file is an XML file, so that it nicely sets the MIME type.

BTW, I suggest all to validate your FOAF with [this RDF validator](#), because some of us got some work to do to make them valid:

- Mine is having some encoding issue
- Henry's has some 8 errors

The others are actually fine.

While the XSLT is getting along quite nicely, I got serious other work to do. The [Strigi](#)-based FOAF indexer is sort of working, gets FOAF documents recursively, but I want it to index our publications and presentation slides too. Now, FOAF has a *foaf:publications* tag, which I thought might be suited. But after chatting with (new) friends on the #foaf IRC channel ([the log](#)), it became clear that the scope of that element is to point to some other file (*foaf:Document*) which lists the publications, such a HTML output created from BibTeX.

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That is, the following syntax is not quite what appears to be intended:

```
<foaf:publications>
  <foaf:Document rdf:about="http://dx.doi.org/10.1186/1471-2105-8-59">
    <dc:title>Bioclipse: an open source workbench for chemo-
      and bioinformatics</dc:title>
    <dc:author rdf:resource="#me"/>
  </foaf:Document>
```

The [Biblontology](#) was suggested and seem a rather good candidate to draft a separate but RDF/OWL-based publication list. The server was down at the time of writing, but the Google cache showed the scope nicely. The [Google group is active](#) and the server should [go back online shortly](#).

OK, enough for now. More will follow in this series shortly. Such as a HTML GUI for [my publication list in Biblontology format](#).