

Brief Report for the eResearch SA scholarship

Peter Ranieri

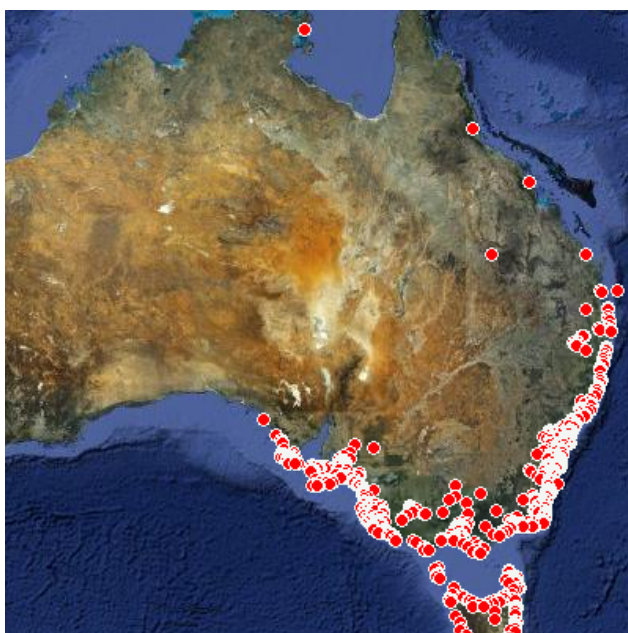
I worked at eResearch SA on the Australia's Virtual Herbarium (AVH) project. The AVH is a database of millions of plant specimens collected throughout Australia (and other nearby countries).

In particular I worked on the programming involved within the web site that interacts with this database. In total I made over 150 revisions or updates within the 9 weeks of the scholarship. For detailed information on each change I made to the AVH system see <http://tinyurl.com/avhpranieri>

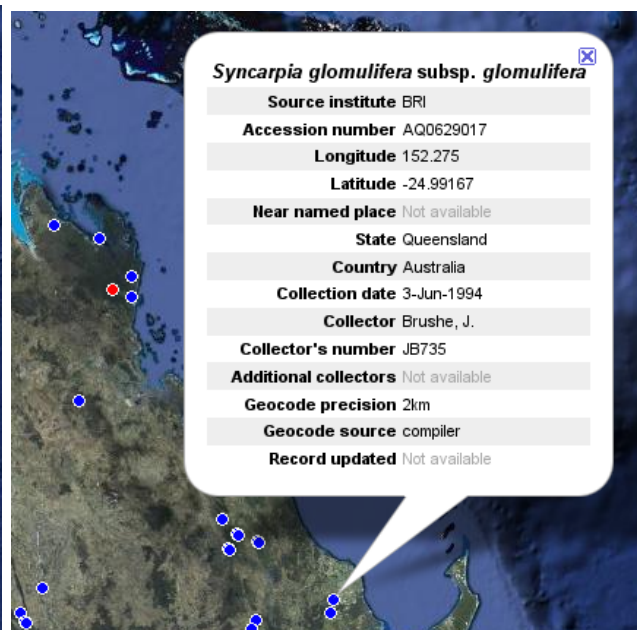
Some of these areas I worked on include:

- Login and user registration pages.
- Linking of various items within the menu bar and other pages.
- Formatting, spelling and grammatical changes.
- Allowing the system to handle incomplete dates where the month or day may not be known for a collected specimen.
- Fixing other issues such as handling proper date sorting, reading herbarium names from file rather than being hard-coded, making application remember previous output format options, and other issues.
- Prototyping features that may be included in future releases
(For more information see <http://avhmap2.110mb.com/mapdetails.htm>)
- I also implemented plotting of specimens to Google Maps. This was implemented in such a way that the web browser could manage displaying a large amount of markers. The interface was also created to match the AVH site, along with specimen information.

Screenshot of the Google Maps AVH implementation:



Satellite view showing specimen locations



Information window showing details for a selected specimen