MSSO – Specification for Web 2.0 Functionality

1. Results Page

1.1 Headline information which relates to overall search statistics eg. "*Your search for church returned xxx resources*", needs to include the following functionality (in addition to the 'view variants' feature already described):

- Map these Results – possibly a link. When clicked it will take the body of returned results, identify all the NLP'd places associated with each result and then, using this place data, plot the search results on a map. Only available for registered users.

- View Dialect – possibly a link. When clicked it reveals a box or text area which contains a list of the variant spellings. Each variant spelling will be followed by text such as:

    church: 32 users locate this spelling in **Cheshire**
        6 users locate this spelling in **London**
        Click here to suggest a dialect for this spelling

    chirche: 2 users locate this spelling in **Wales**
        6 users locate this spelling in **Northumbria**
        3 users locate this spelling in **London**
        Click here to suggest a dialect for this spelling

1.2 The View Dialect box should also have a link or icon which means "View these spellings on a map".

1.3 Suggesting a dialect or viewing the spellings on a map will require registration.

1.4 "Click here to suggest a dialect for this spelling" will reveal a list of locations/regions accompanied by check boxes (when the user is logged in, otherwise the will be prompted). This list of locations should also be appended with a freetext box called "Notes and Citations".

1.5 Individual results will include a link "View User Comments" and "Add a Comment". Clicking the first link will reveal any user generated comments. Registration required to use both thee links. This replaces the Forum.

Users should be able to save and share (by email) searches and individual search results, in addition to exporting results (described in original spec), as with Connected Histories. Registration will be required to save results.

2. Workspace

2.1 The Workspace requires registration. It gives the user the following functionality:

- View their saved searches and individual search results.
- View their search history (see Activity Data section below).
- View the result items in which they have contributed user comments.
- View the search keywords in which they have suggested dialect locations.

3. Activity Data

3.1 We will save data relating to the search pathways which users follow during a browse session. This will enable other users to see how previous users have constructed searches and hints at related resources. It is similar to Amazon's "people who bought this also bought..." functionality, but with more detail. Collecting search pathways will not be restricted to registered users.

3.2 The homepage needs to present a summary of, say, the most recent 10 search pathways in a visually engaging way. A "more" link should enable drill down to, say, the next 100 search pathways. No information identifying the source, timing or duration of each search can be provided.

3.3 An individual search pathway (would the more recognisable 'search history' be a better way of describing this?) should show:

- The keywords used in a search
- Any faceting etc
- The sequencing of searches within a single 'browsing session'
- The individual search results which were clicked on

4. Map Visualisation

4.1 All map visualisation requires user registration (we are keen on user registration in order to build a known community - but what's your views on this?).

4.2 Some map functionality works directly from the conventional search results display (see 1.2 above).

4.3 Additionally, access to the map could be possible from the site's primary navigation or from within the 'Search' part of the site, enabling users to conduct different types of searches:

- Search for a keyword, such as *church*, and have all variant spellings plotted on a map, and each map point provides a summary of the resources which use that particular spelling. Clicking on a resource result will take the user to that specific page (on the third party's website).

- Search for resources according to dialect region. For example, *show me all the manuscripts which can be located to Cheshire based on their spellings*.

- Search for a resource by title (perhaps aided by an Ajax style auto-suggest). Matching results will be plotted on the map.

4.4 For the map interface, we will probably use GoogleMaps API. Ideally we would overlay it with an outline map of medieval England, but we need to explore this further.