

The goal of this project is to develop an automated system to score the differences between historical maps from different sources or periods.

This involves the vectorisation and annotation of historical maps in order to more effectively compare the differences in the content of two maps.

This dissertation focuses mostly on the vectorisation and annotation of coastlines of land masses and the following comparison of those results.

The exploration of four different differences metrics are discussed in their effectiveness at comparing the differences in two map contours; the sum of absolute differences, Hausdorff distance, cosine similarity, and template matching.