3 The Olive XML Repository

3.1 The XML Repository Concept

The Olive XML Repository ™ is a simple file system based repository (windows or Unix file systems), designed for data-base free, platform independent, long-term content preservation and archiving. The XML files that are stored in the Olive XML Repository are complemented by images that are snapshots of the original printed representation of each information object. The XML Repository contains a set of images representing the entire print issue, piece by piece, in different resolutions and formats. These images are a powerful tool when combined with XML entities, elements and primitives, which detail each image's role and position in the original printed page. Olive XML Repository can also store rich media objects such as video clips, animated gifs and sound.

3.2 The XML Repository General Structure

The Olive Repository is a hierarchical file system, structured as a tree of files and folders that reside in the Repository root directory. The following is an example that describes a newspaper archive repository:

The Root directory contains a separate folder for each publication and two special folders for internal usage. These are common Files and common Styles (see Fig. 1).