

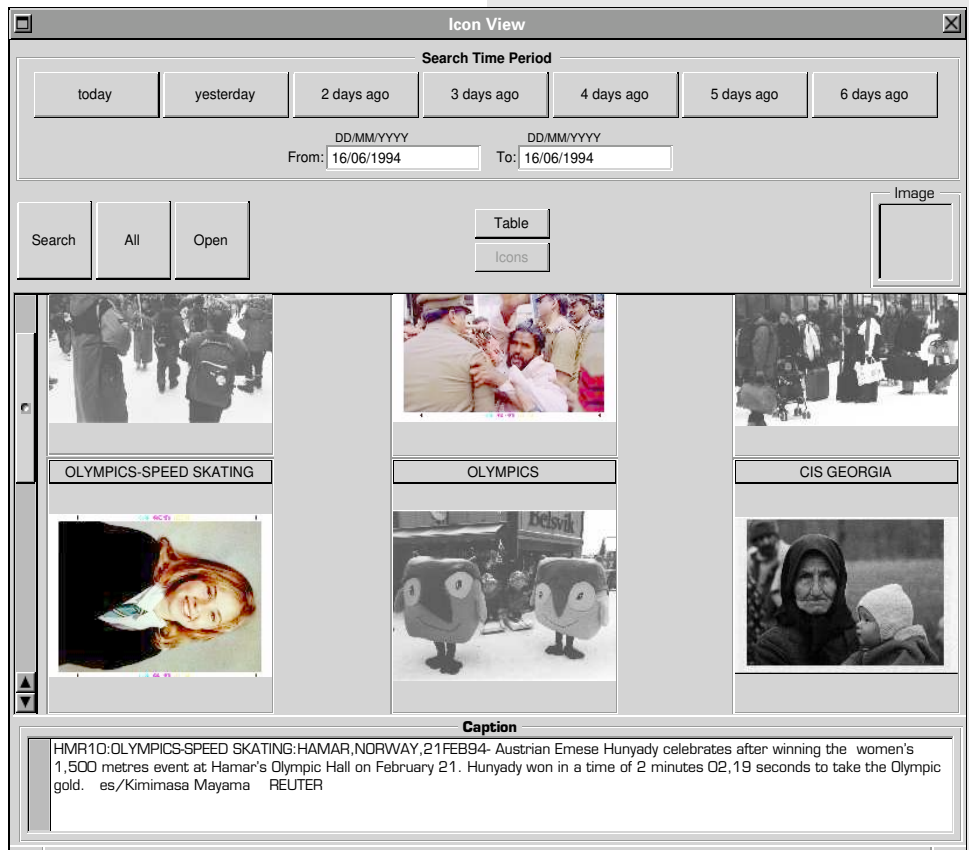
# IMAGE SERVER

## 1. What is Image Server?

Image Server is a multi-user software system for receiving, storing, browsing, and retrieving images. The system is composed of *client* and *server* software. Server software receives, processes and stores images, while client software enables a user to browse and retrieve images.

## 2. Why Image Server?

Image Server unifies image access for images from different sources. These sources may be agencies, photo reporters, scanners, ... Users can search, browse, view, extract, and refer to images in one universal way independently of the image source.



## 3. Client software

Searching, browsing, viewing and retrieving of images from multiple sources is supported. These images can be of different types – bitmap or graphics. The range of images can be constrained with time and source filters.

There are two views for displaying images and their data – tabular and icon view. Icon view displays images in low resolution – thumbnails. Tabular view displays the data which describes the images. The images are sorted according to the order of attribute columns in the tabular view. The order of columns, their width, and whether a column will be displayed or not, can be rearranged by a user visually with a mouse.

Images can be viewed by opening them in one or more windows. The low and high resolution images can be saved on a local file-system by dragging the icon, that represents the image, from the Image Server window to the file-system window. New images can be inserted manually by dragging the image icon onto the Image Server window. The user must then supply some of the attribute data and the image is saved into the image database.

## 4. Server Software

The data for browsing and searching is stored in standard SQL database. The data may be partitioned among multiple database servers. There are some fixed attributes – database columns – which must be present in the database. Other user defined attributes can be added to the system as required, with user-specified mapping between source data fields and database attributes.