



THE WHITE ROSE GRID e-Science Centre

Virtual Vellum

Virtual Vellum is one of three demonstrator projects funded by the UK e-Science programme and Engineering and Physical Sciences Research Council to produce models that show how e-Science technologies can be applied to advance the understanding of complex research issues in the arts and humanities. e-Science in this context means the development and application of advanced technologies, or grid technologies, for research collaboration through the Internet, including particularly the sharing of digital and computing resources.

The demonstrator project will provide researchers with generic viewing tools and environment for image datasets comprising:

- large volume image datasets
- high-resolution image files (> 8K x 6K pixels)

encoded using:

- JPEG
- JPEG 2000

delivered as:

- open source & open access
- platform independent (i.e. Windows/Mac/Linux)

allowing access to image datasets:

- from a local hard drive
- over the internet
- via a Data Grid using Storage Resource Broker

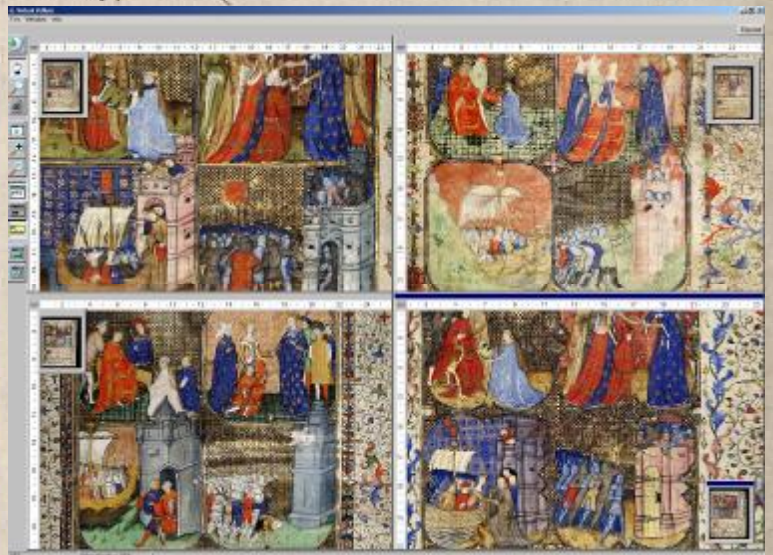
ideal for:

- Access Grid seminars
- live conference presentations and lectures

Froissart Manuscript Project provides initial image dataset, digitally photographed by Colin Dunn, Scriptura Ltd

Project Team:

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Comparing the frontispiece from 4 different manuscripts that are located at 3 different physical locations (magnification is only 16%).
Images © Bibliothèque Royale Albert 1er, Brussels (top left and bottom right images), Stonyhurst College, Lancashire (top right),
Bibliothèque Municipale de Besançon (bottom left) and Scriptura Ltd

Project Partners & Collaborators

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Web site: <http://www.shef.ac.uk/hri/projects/projectpages/virtualvellum.html>

