

Virtual Vellum - Origins

- e-Science Demonstrator project funded by:
 - EPSRC/JISC/Arts & Humanities e-Science Initiative
 - UK e-Science Core Programme
- Provide scholars with generic image viewing tools for image datasets comprising:
 - large volume image datasets
 - high-resolution image files (> 8K x 6K pixels)
- Delivered as:
 - open source & open access
 - platform independent (i.e. Windows/Mac/Linux)
- Froissart Manuscript Project provides initial image dataset, digitally photographed by Colin Dunn, Scriptura Ltd



Image © Besançon, Bibliothèque d'Etude et de Conservation and Scriptura Ltd

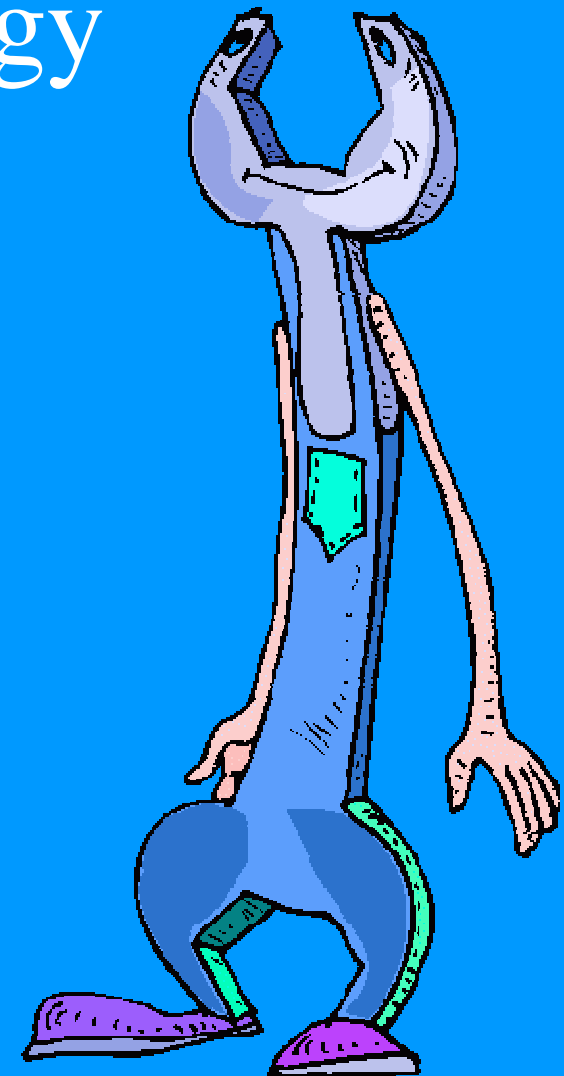


Project Web Site:
<http://www.shef.ac.uk/hri/projects/projectpages/virtualvellum.html>



Virtual Vellum - Technology

- Java Version 1.2
- Support for JPEG tiling and JPEG 2000 image compression
- Allows 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
- Operates in real-time
- Multiple document interface for viewing & comparing many images simultaneously





Virtual Vellum - Demonstration

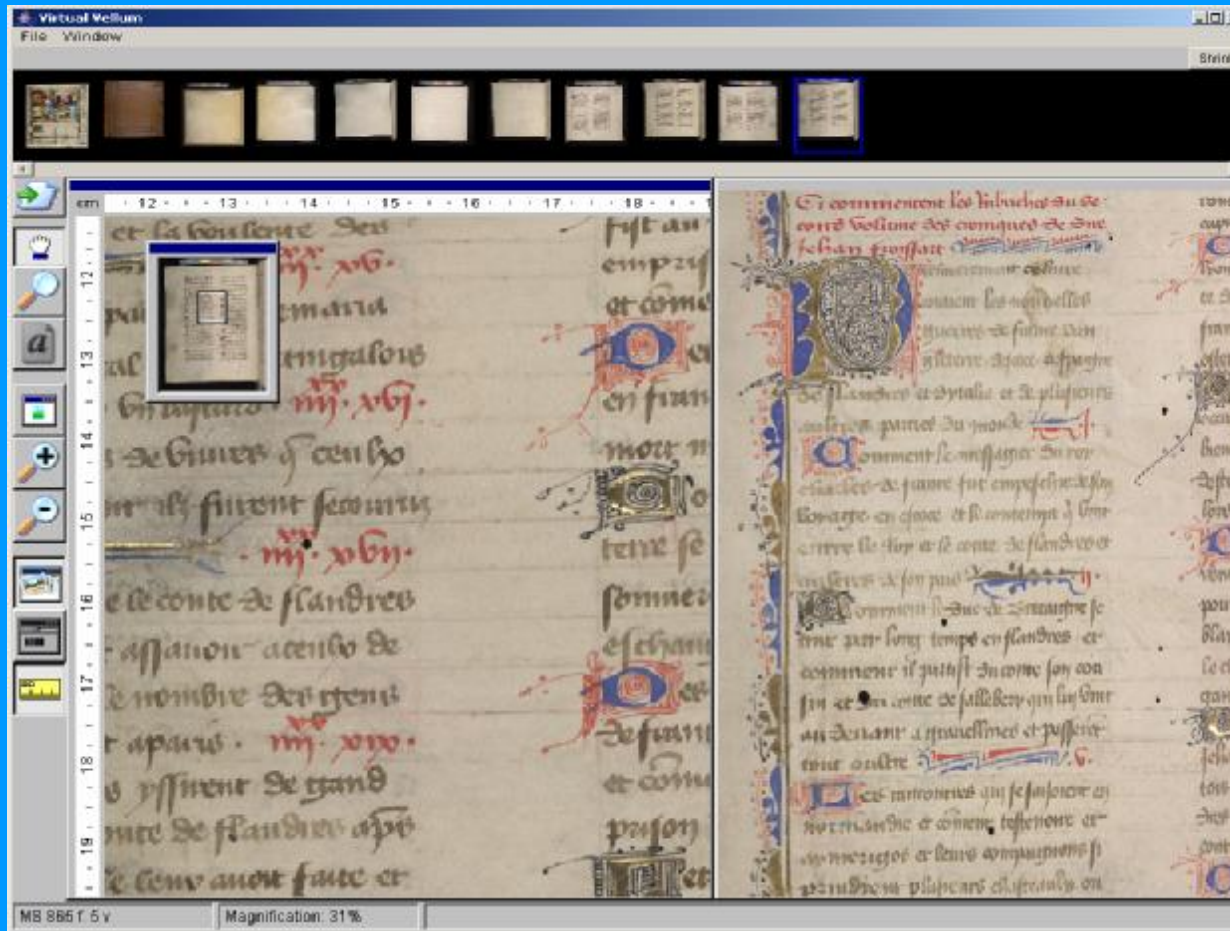


Image © Besançon, Bibliothèque d'Etude et de Conservation and Scriptura Ltd

Virtual Vellum – Commercial Future

- Engineering
- Forensics
- Biosciences
- Medical imaging
- Cartography
- Architecture
- Geography
- GIS
- ...



Virtual Vellum – Project Contact

- PI: (aka “The Organ Grinder”)

Professor Peter Ainsworth

P.F.Ainsworth@Sheffield.ac.uk

- TA: (aka “The Monkey”)

Dr. Michael Meredith

M.Meredith@sheffield.ac.uk



Project Web Site:

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