

Multimedia Information Retrieval

- 1 What is multimedia information retrieval?
- 2 Basic multimedia search technologies
- **3 Evaluation of MIR Systems**
- 4 Added value
 - 4.1 Information Visualisation
 - 4.2 User Interaction
 - 4.3 Visual Search and Relevance Feedback
 - 4.4 Browsing: Lateral and Geo-temporal



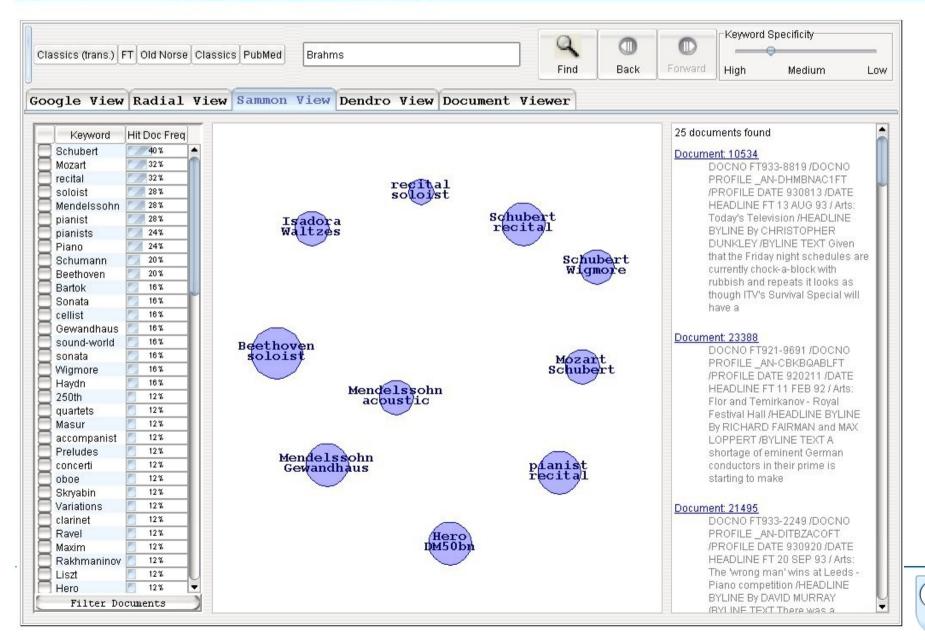
How else could results be displayed?



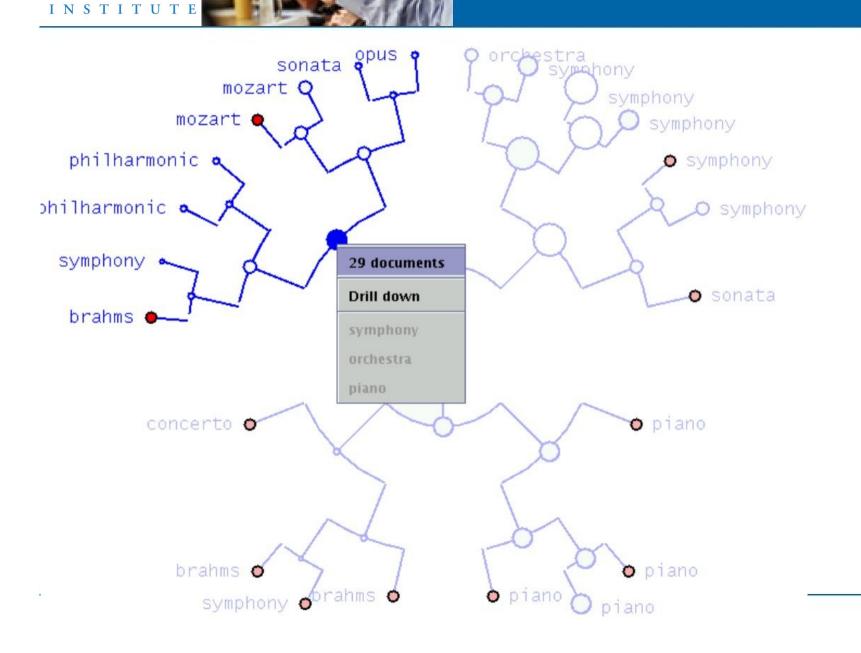


Sammon maps

The Open University





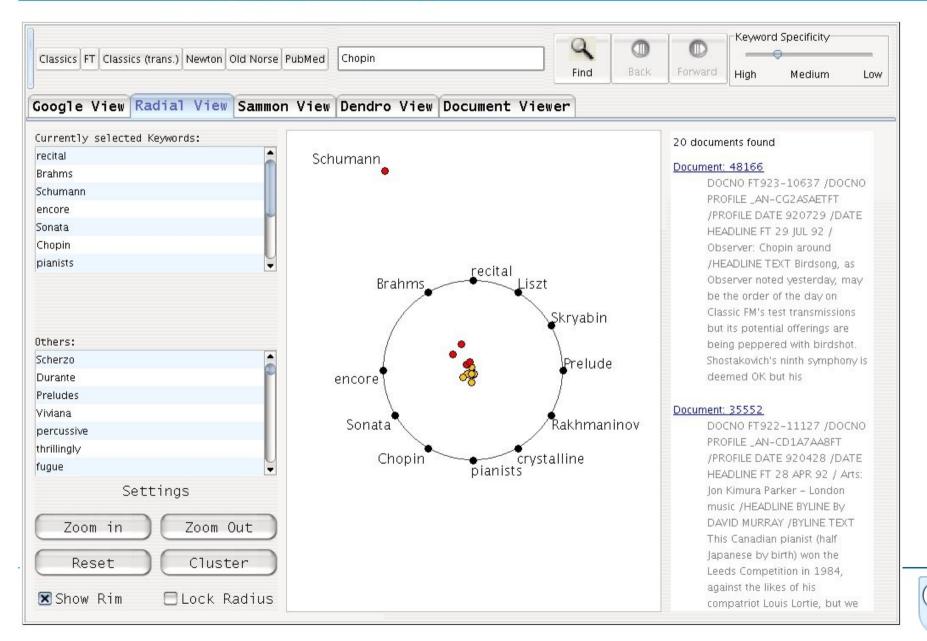


KNOWLEDGE MEDIA



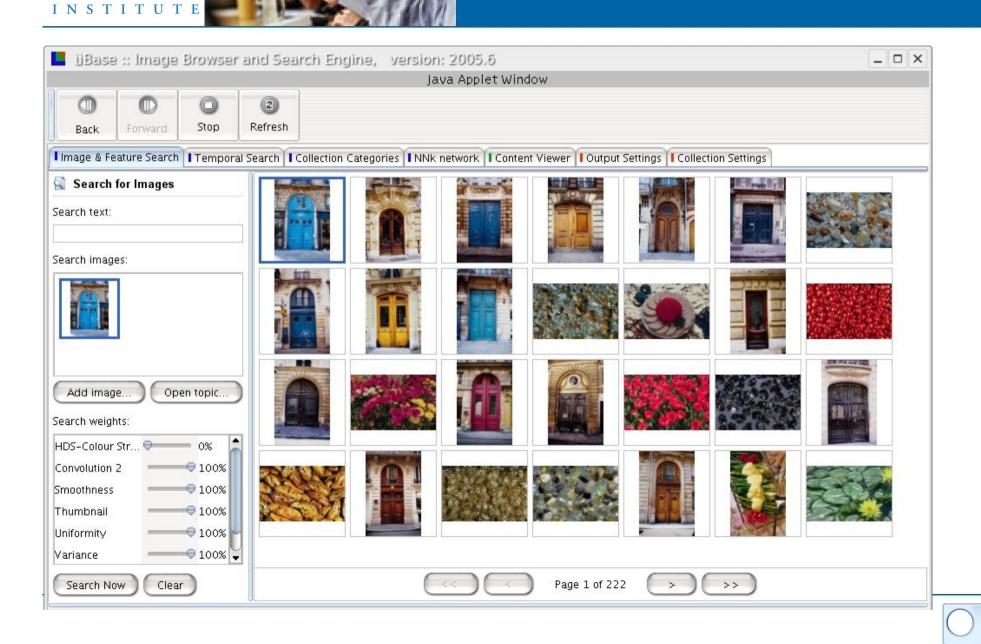








Query point moving

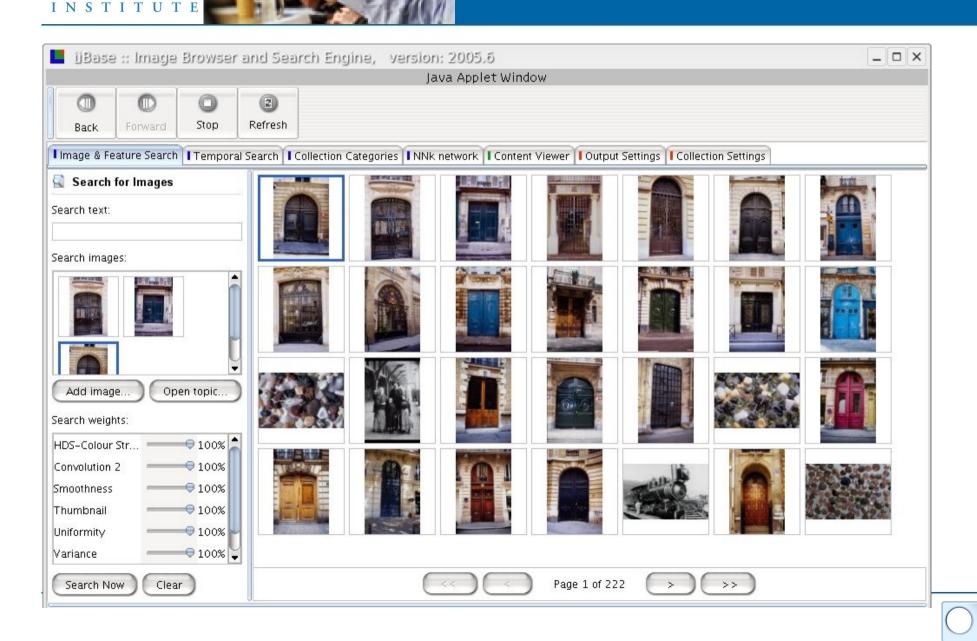


KNOWLEDGE MEDIA

F

The Open University

Query point moving

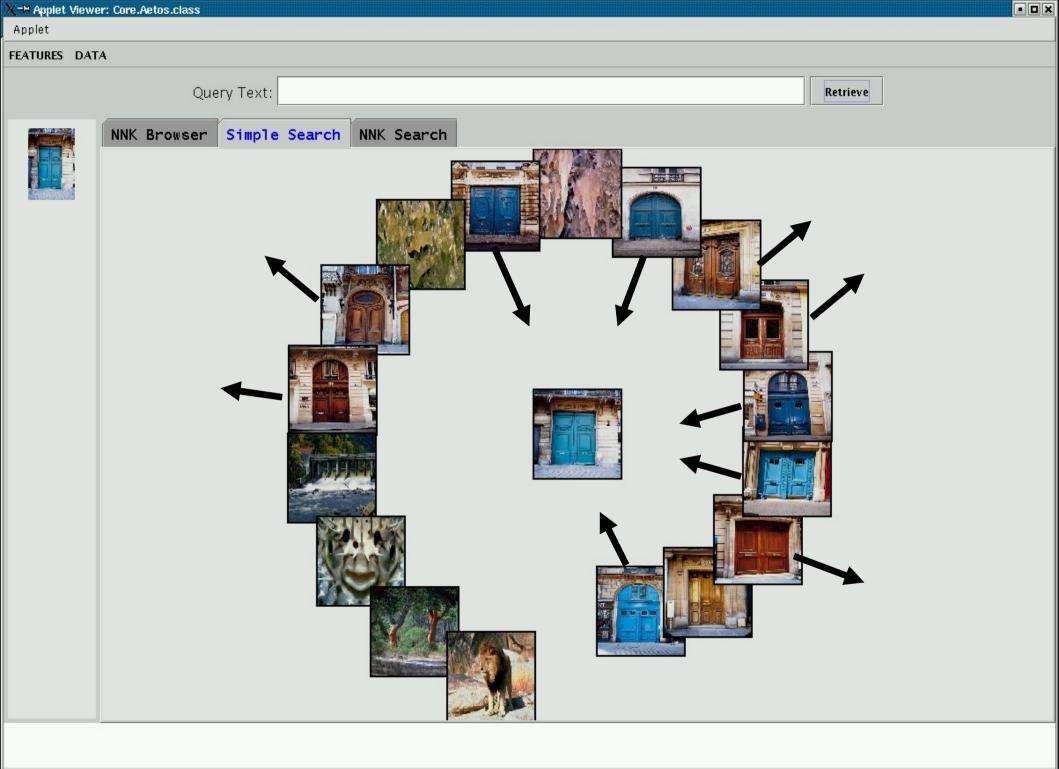


KNOWLEDGE MEDIA

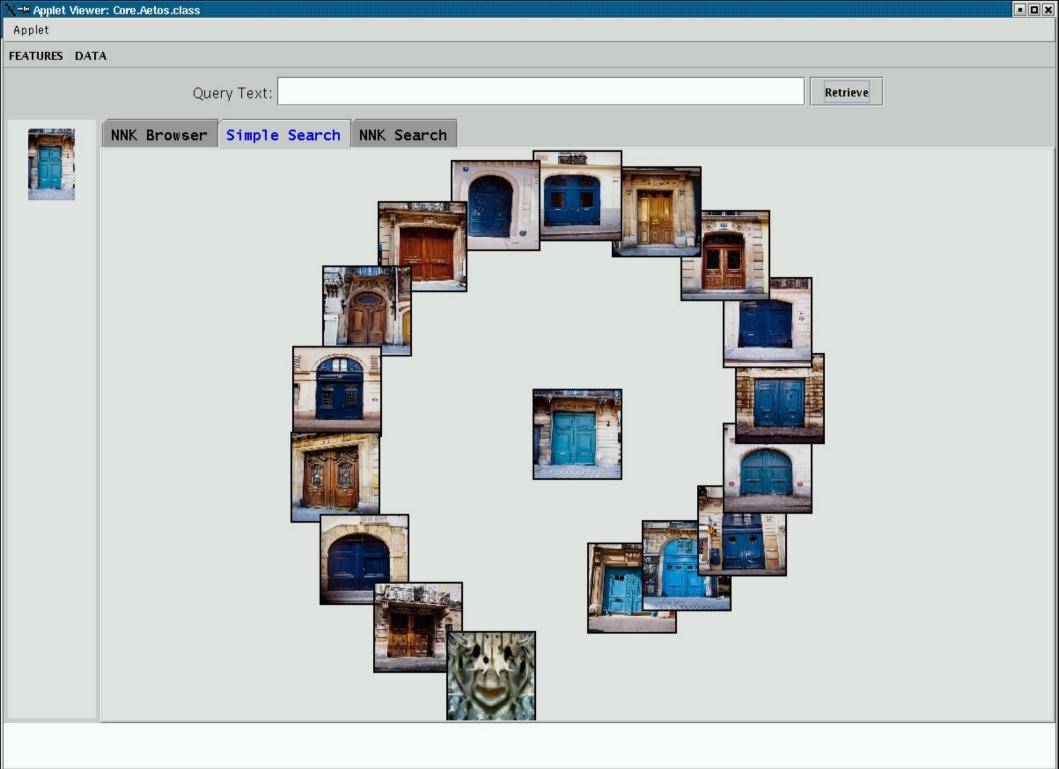
F

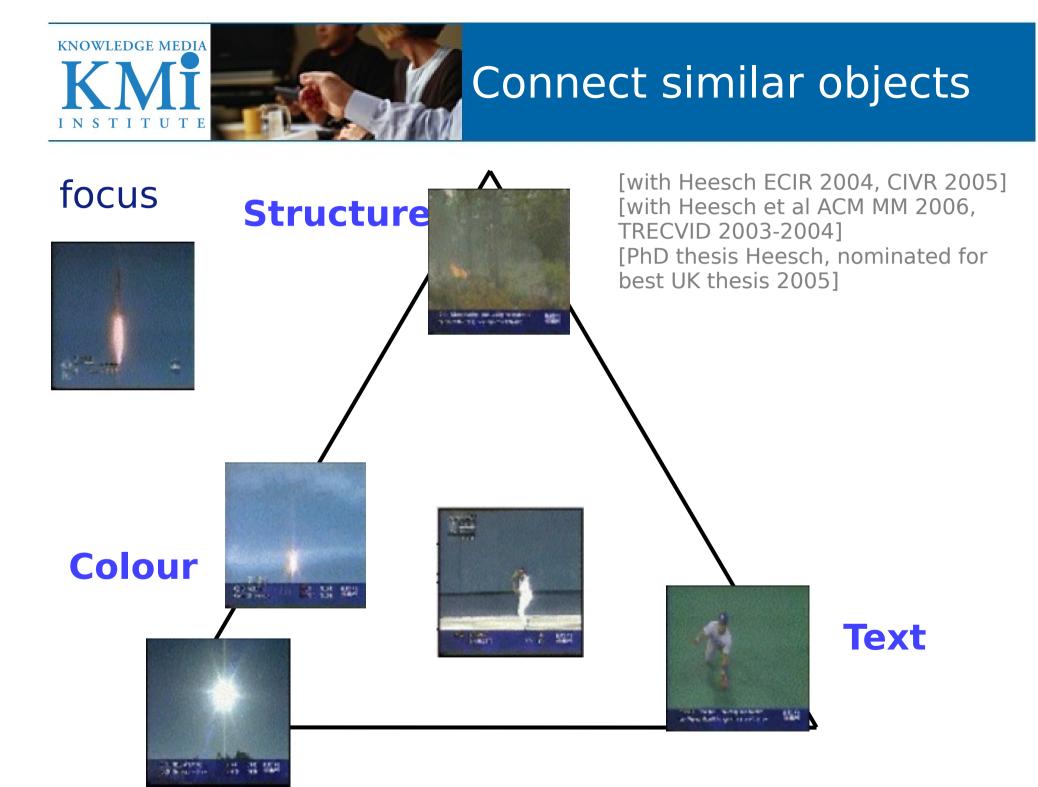
The Open University

X=H Applet Viewe	er: Core.Aetos.class						• • ×	
Applet								
FEATURES DATA								
	Que	ry Text:				Retrieve		
	NNK Browser	Simple Searc	h NNK Search					
	<u>-</u>							
Applet started.								



🗶 🗝 Applet Viewer: Core.Aetos.class									
Applet									
FEATURES DATA									
	Query Text: NNK Browser Simple Search NNK Search	Retrieve							







Browsing example

TRECVID topic 102: Find shots from behind the pitcher in a baseball game as he throws a ball that the batter swings at

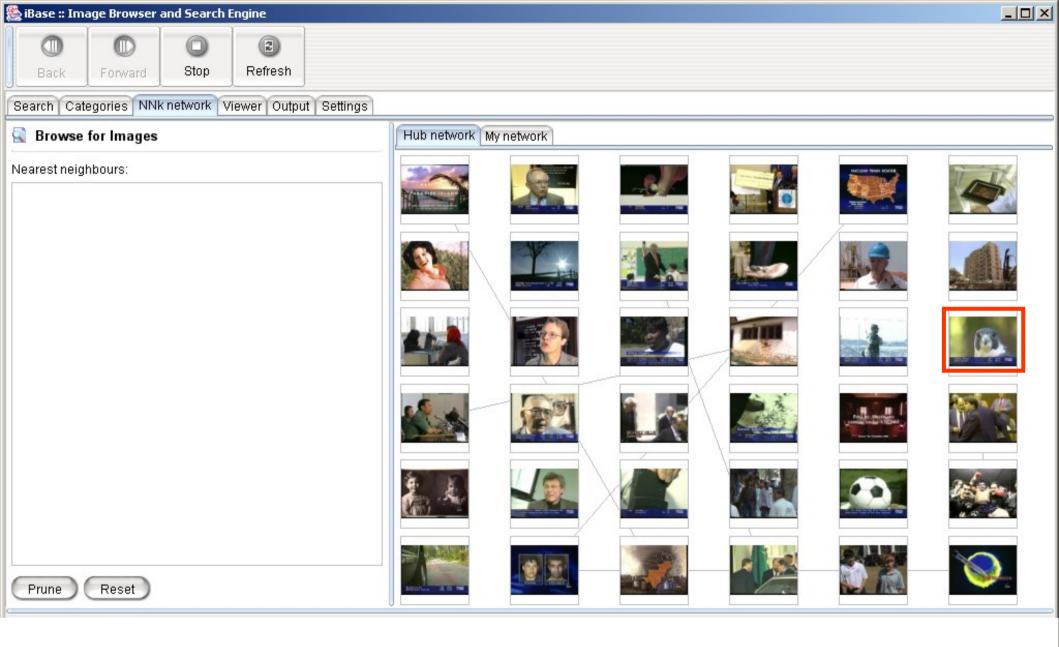




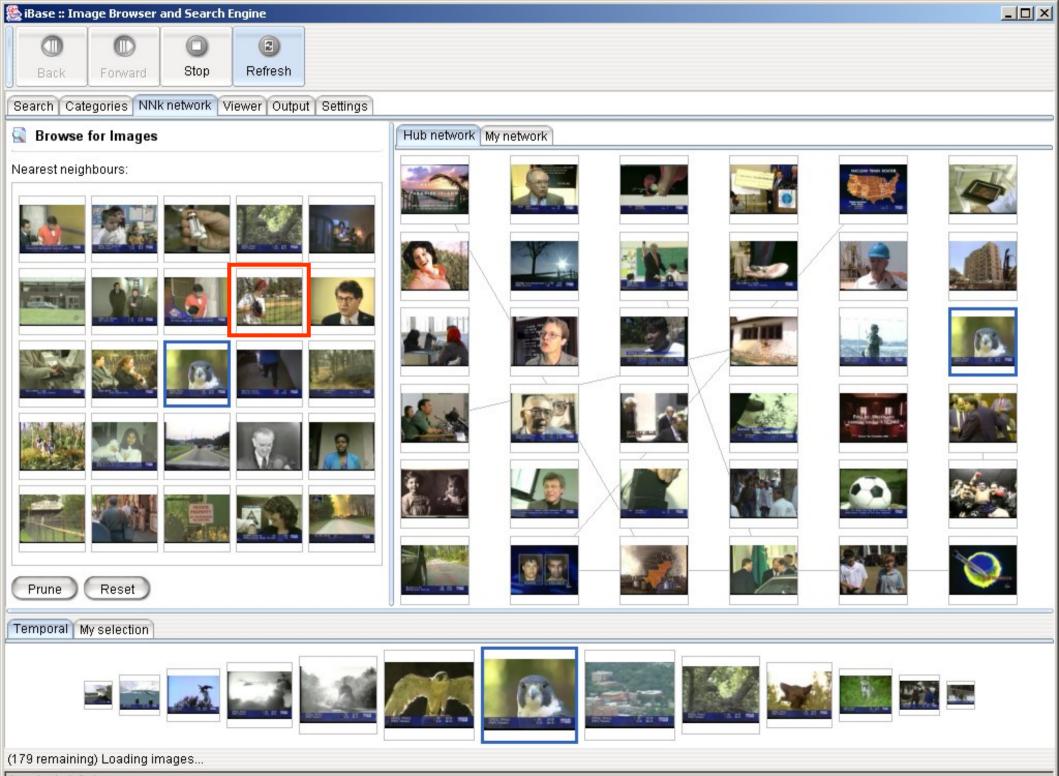








[Alexander May: SET award 2004: best use of IT – **national prize**] [dataset TRECVID 2003]



Java Applet Window

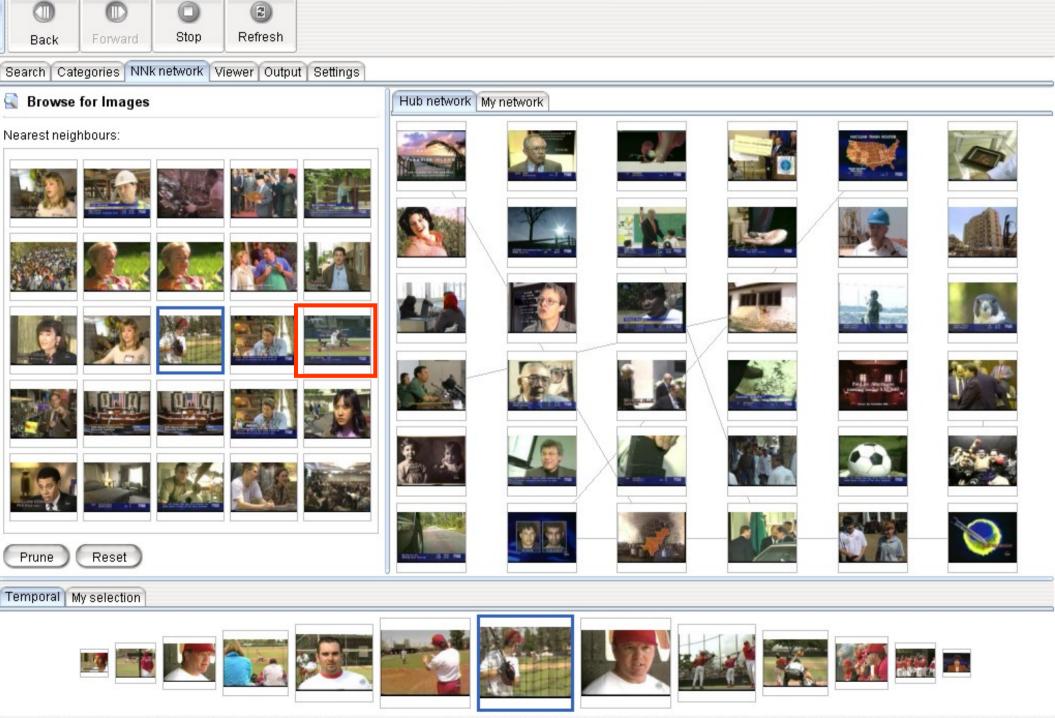


Image ID: 6635 Filename: TRECVID2003_156/shot156_308_RKF.jpg Keywords: THE UNDERDOG FIGHTING TO BE RECOGNIZED OR THE COMMITMENT THEY MADE TO EACH OTH ...

Java Applet Window

(TT)

Forward

_ 8 ×

Search Categories NNk network Viewer Output Settings

Stop

2

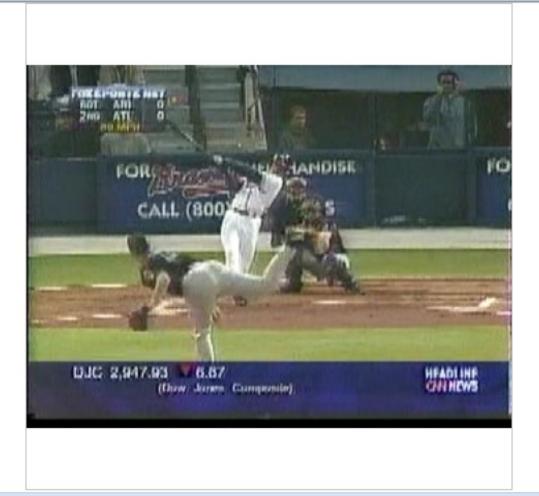
Refresh

📄 Image Properties

Back

Image ID: 1263 Collection: Video Resolution: 352 x 264 Filename: TRECVID2003_138/shot13 8_210_RKF.jpg

Keywords: FOR ONE WIN OVER THE S HARKS IN THE MAJORS THE BRAVES E EAT THE



Temporal My selection

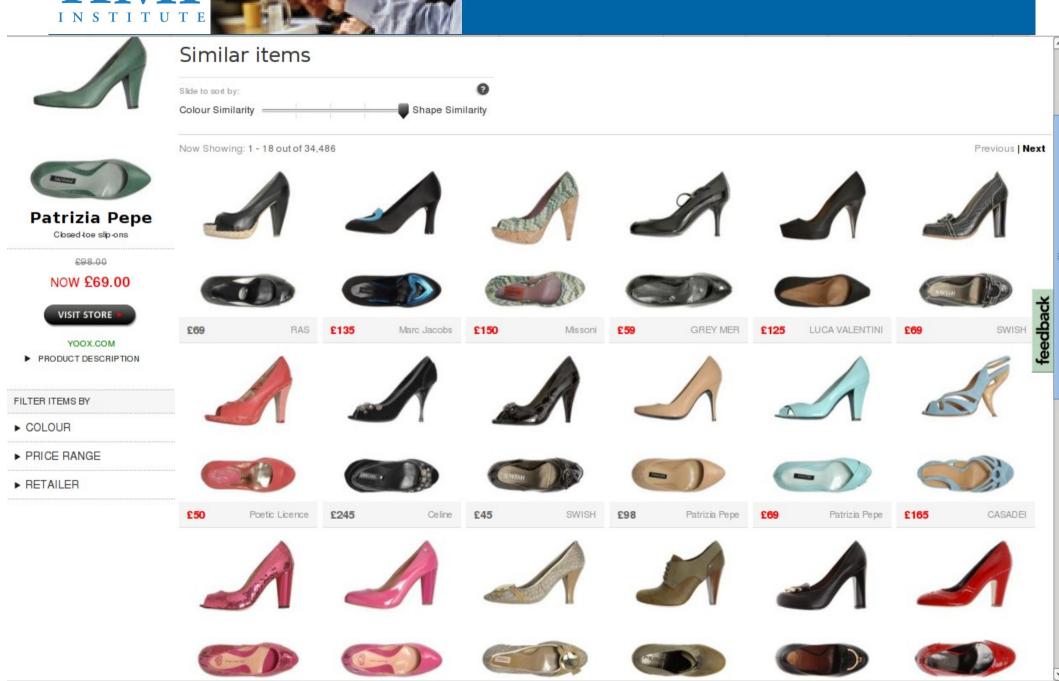


Image ID: 1263 Filename: TRECVID2003_138/shot138_210_RKF.jpg Keywords: FOR ONE WIN OVER THE SHARKS IN THE MAJORS THE BRAVES BEAT THE

Java Applet Window

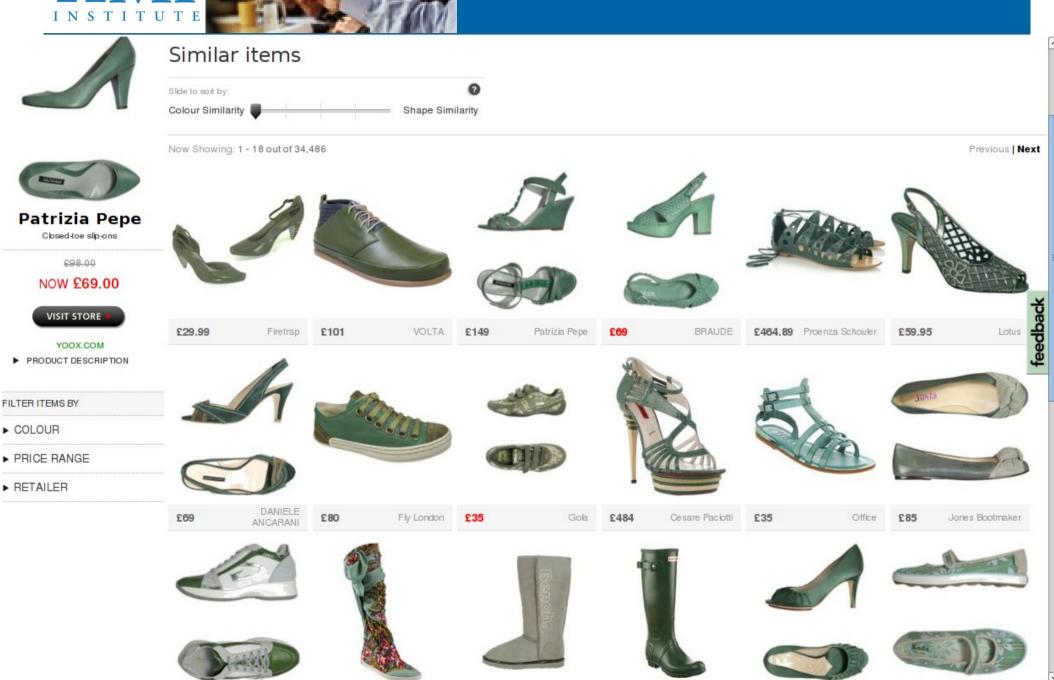
Empora.com

KNOWLEDGE MEDIA



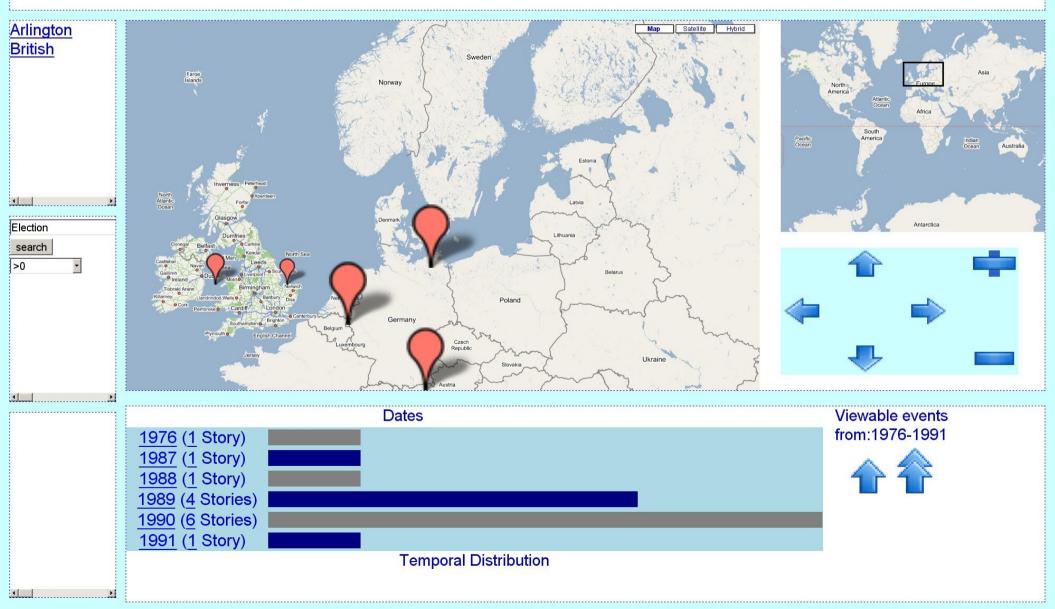
Empora.com

KNOWLEDGE MEDIA

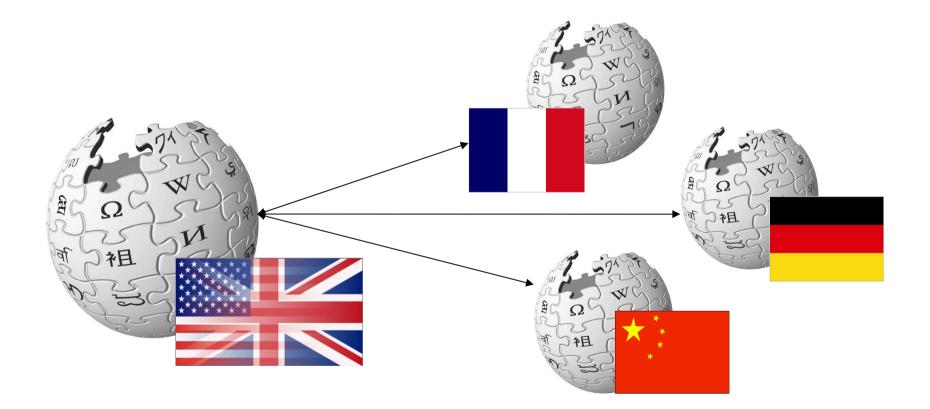


Geotemporal search

Geographical, Temporal & Keyword Browsing







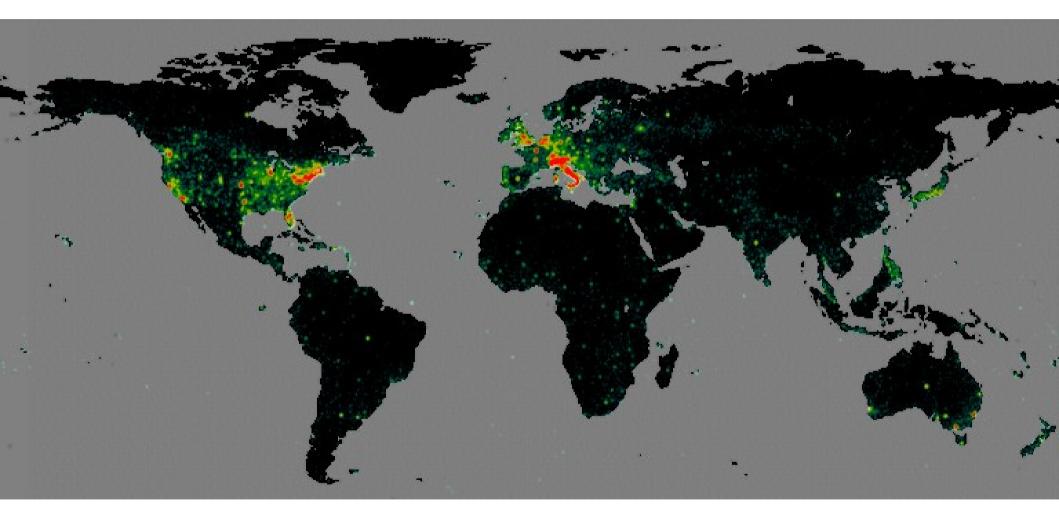
[Logo trademark and © by Wikimedia Foundation, Inc]





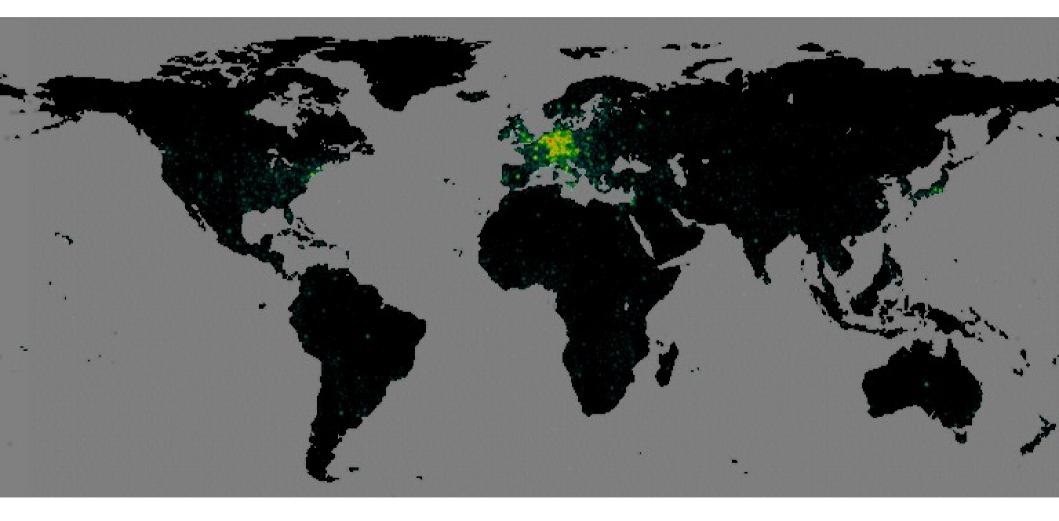


English language



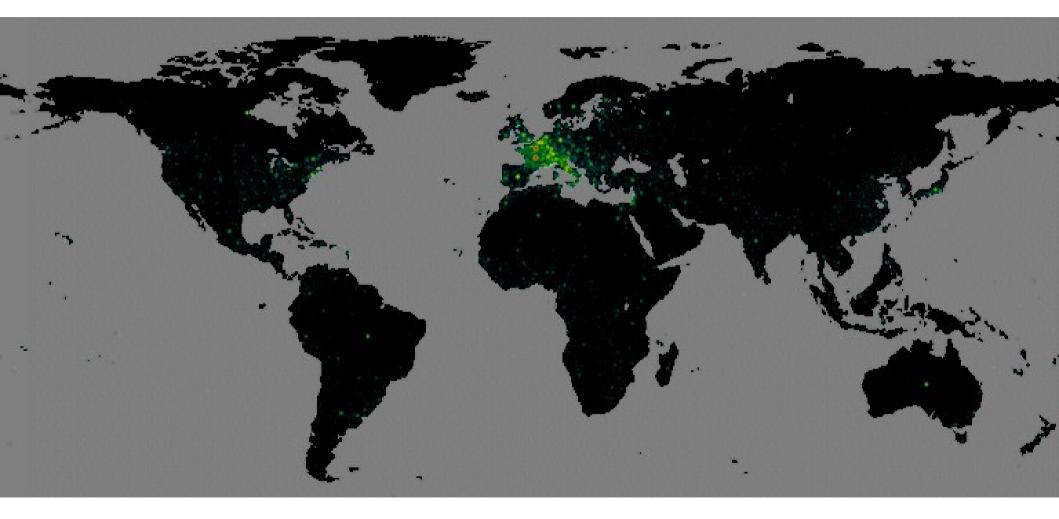






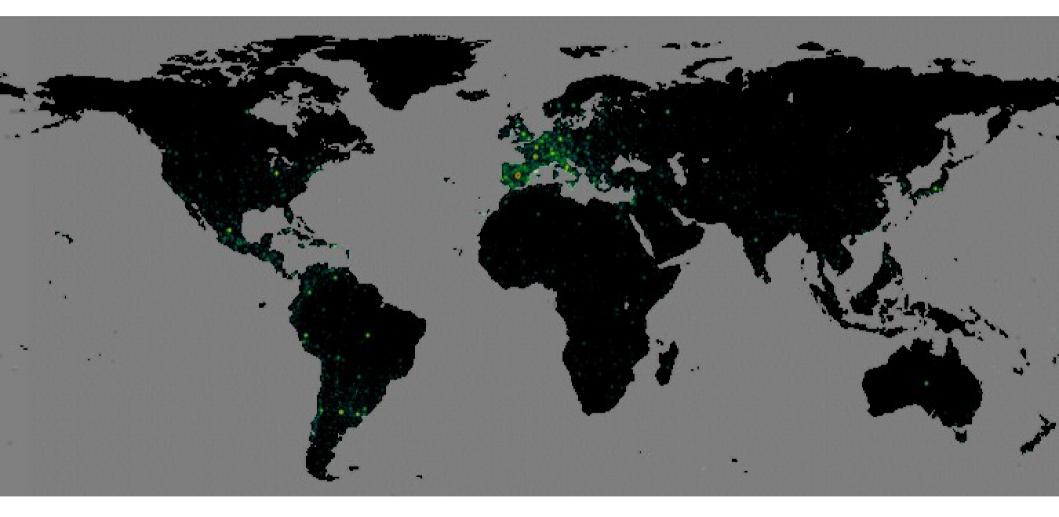






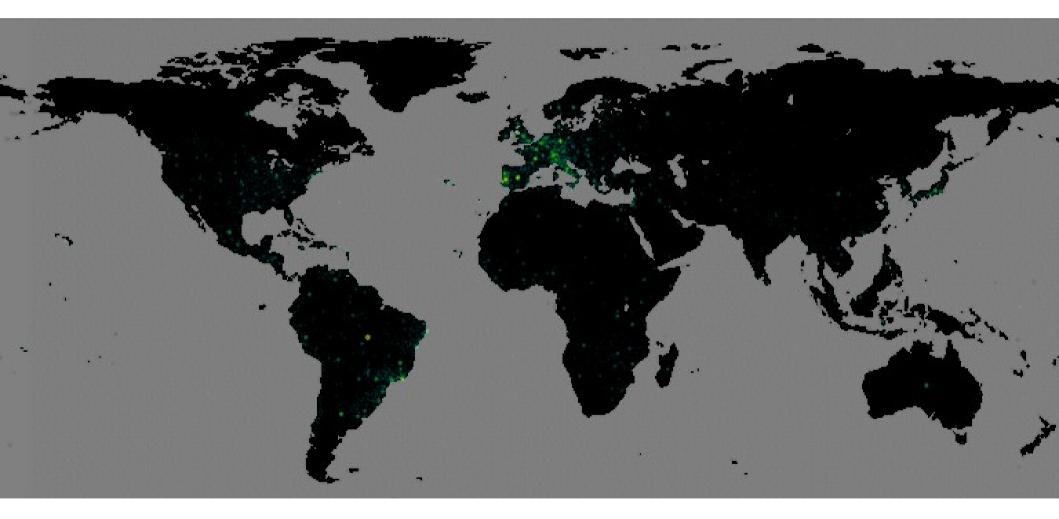










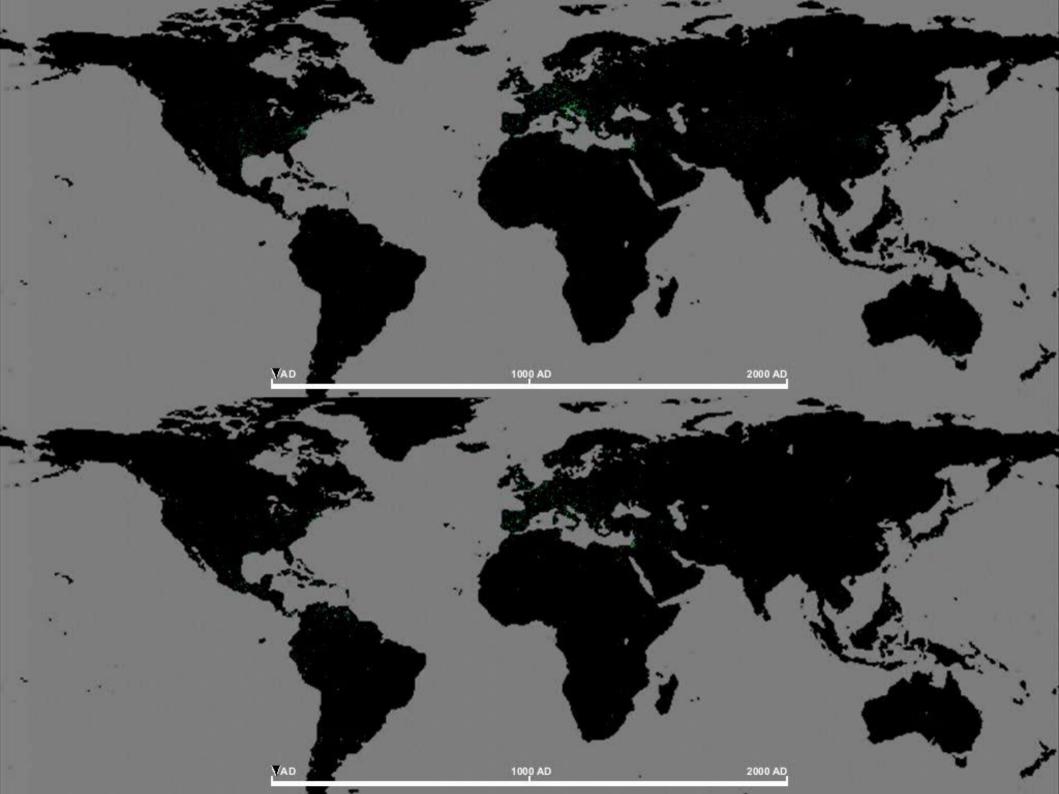




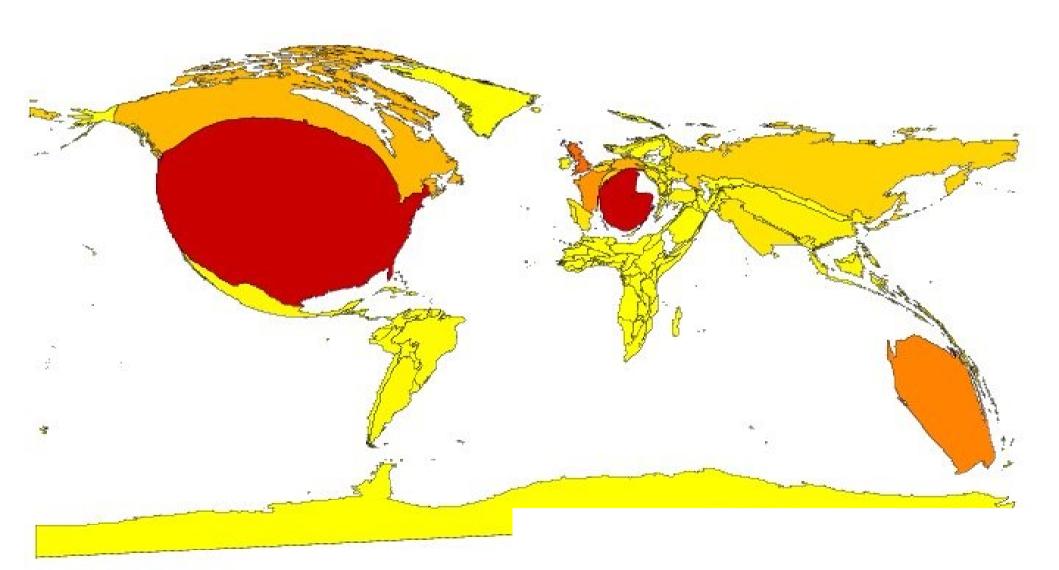




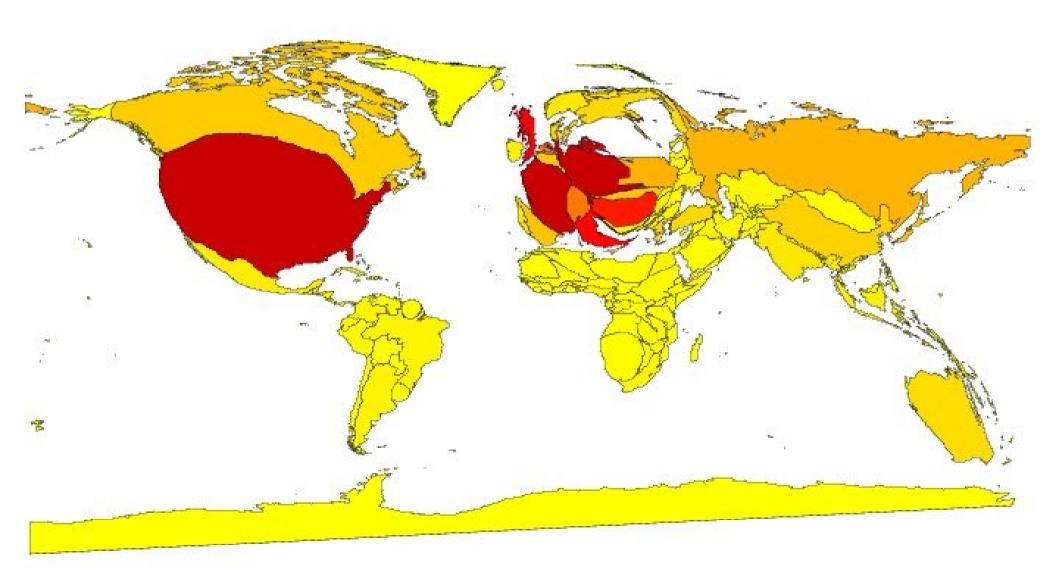




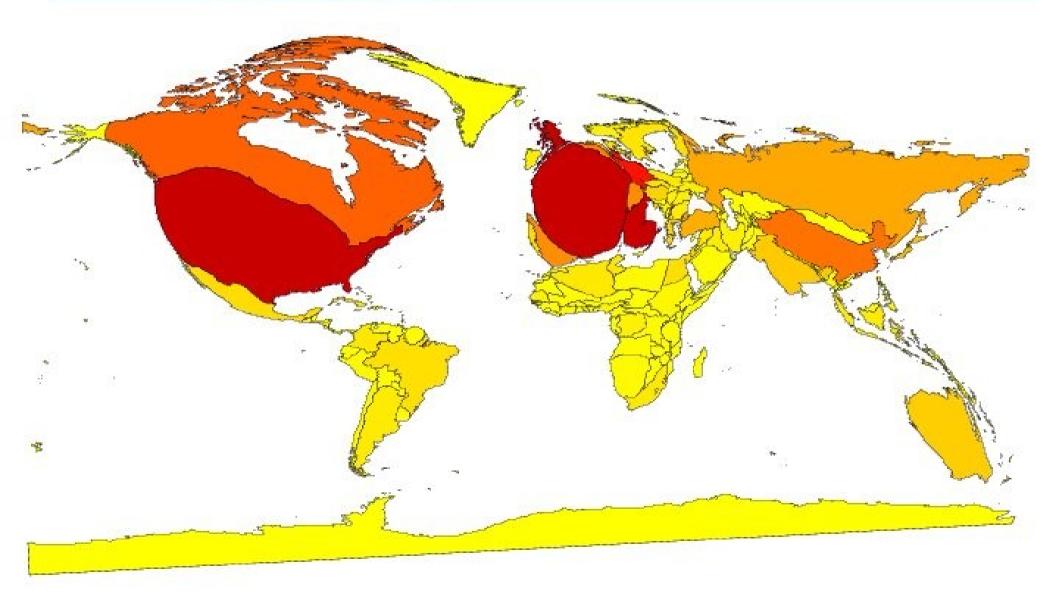




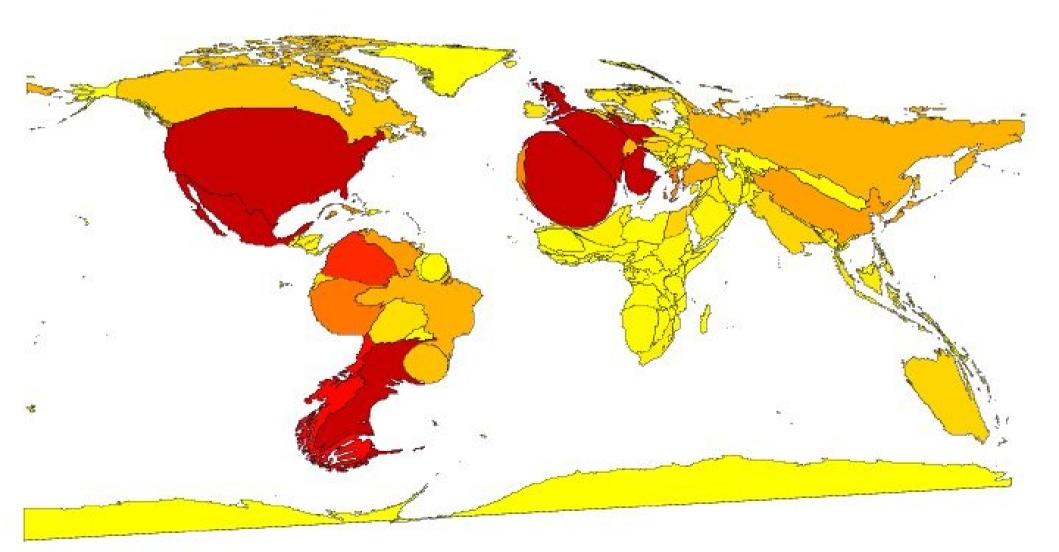




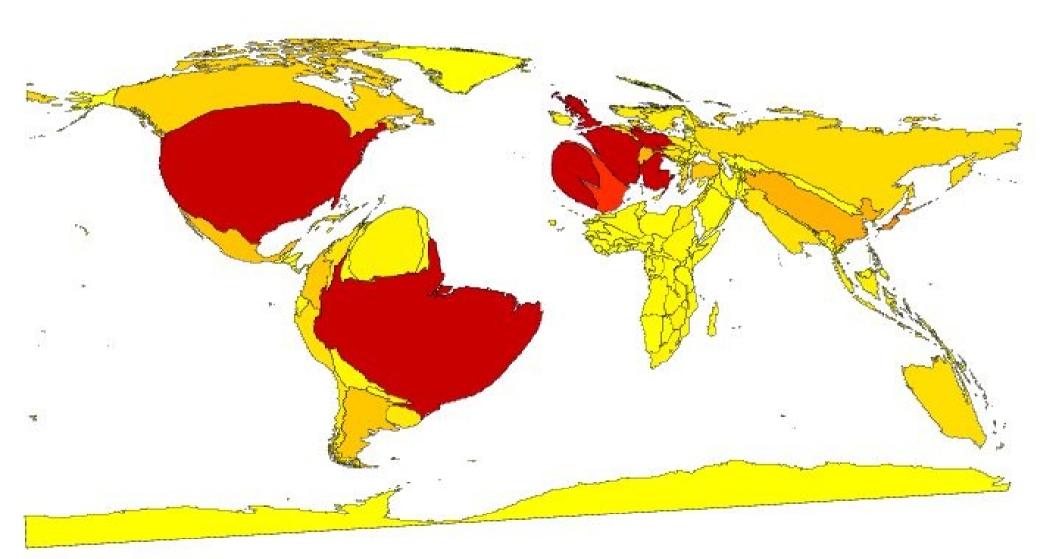




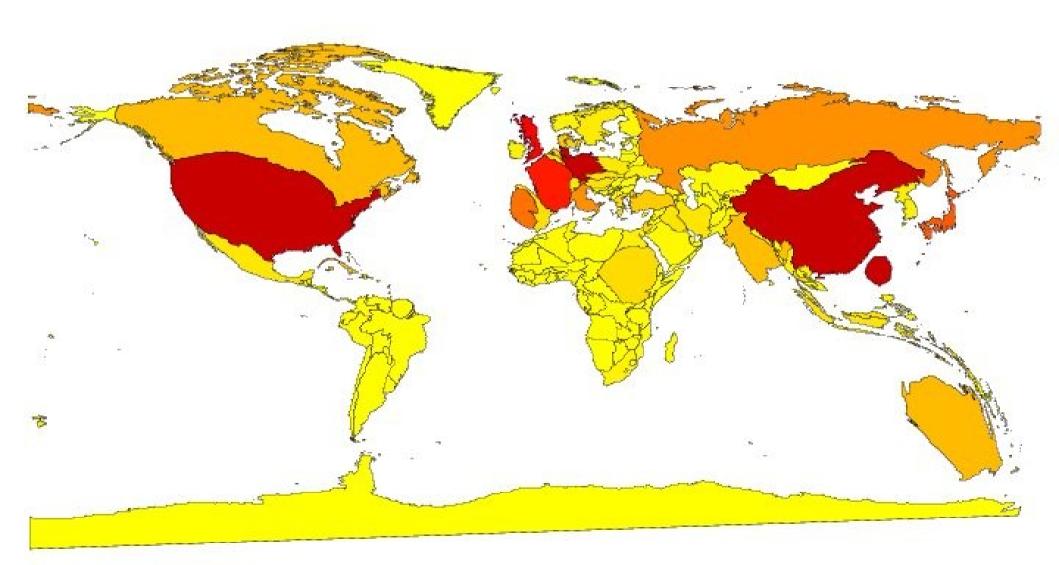








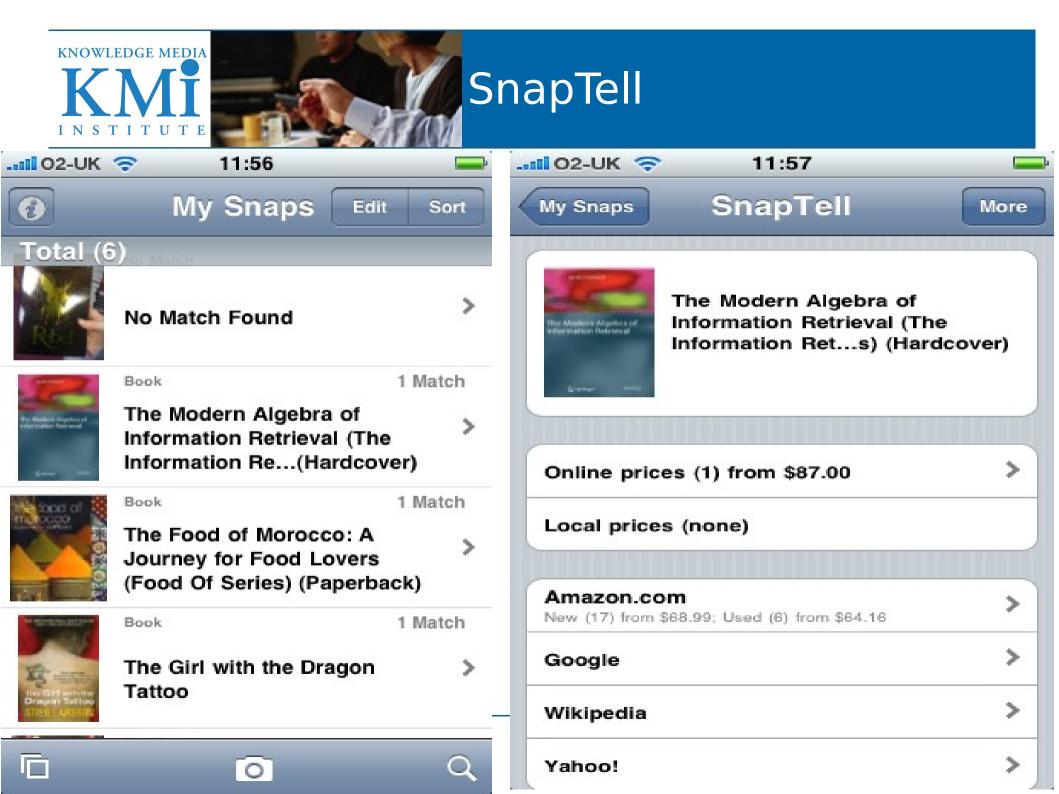






- SnapTell
- Spot&Search





Spot&Search: OU Art





KNOWLEDGE MEDIA

INSTITUT

SpotdSearch



Spot&Search



KNOWLEDGE MEDIA INSTITUTE



Spot&Search: OU Art

Back

Search Results



This brilliant Big Art Project in the form of the Open University's letters is the result of OpenUnlimited activities in the Church on Saturday 27th June 2009.

The theme for the project was "What does the OU mean to you?". It was very popular as children and adults edxpressed themselves freeley, by sticking things, adding glitter or drawing with pens and paints to decorate the letters, and as you can see, they did a fantastic job.

Estates Fabrics Team constructred these massive letters from 6ft sheets of plywood, added a matt coat of colour and then once our





- Collaboration between KMi and Greenstone
- Add content-based video indexing and search





Revisit your system design -

- Can you think of ways to improve the user interaction?
- How else could you present the results? What technological challenges will you face?





Multimedia Information Retrieval

What is multimedia information retrieval?
Basic Multimedia Search Technologies
Evaluation of MIR Systems
Added Value – user interaction, visualisation and the MIR research landscape