
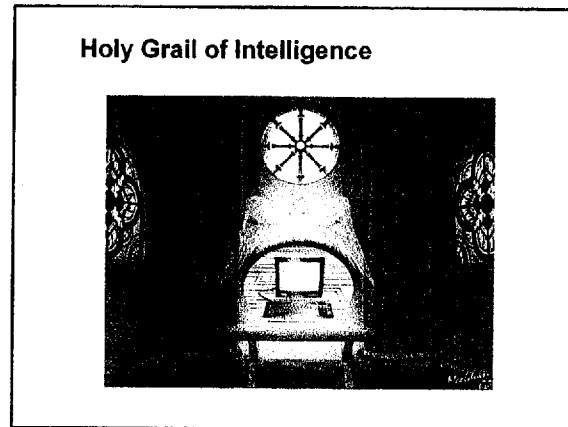


Limited Access Document

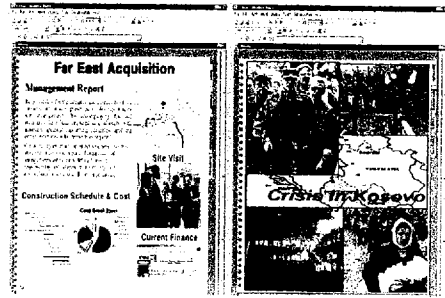
**One Machine ... One View**

OSS.Net Briefing

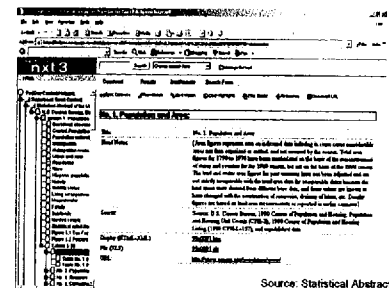
July 22, 2003  
© Stephen E. Arnold, 2003

**GITI's Verona**

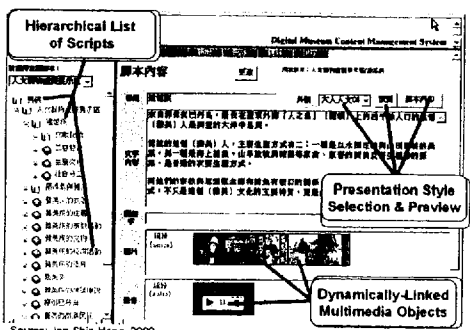


**Integrated Content Tool**



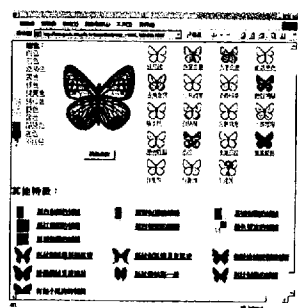
Source: Statistical Abstract, 2002

**Content Authoring/Composing Interface**



Source: Jen-Shin Hong, 2003

**Butterfly Image Retrieval**



Source: Jen-Shin Hong, 2003

## Too Good to Pass Up?



## Topics

- Homeland Security project
- The "new" content problem
- What's needed architecturally
- Next steps

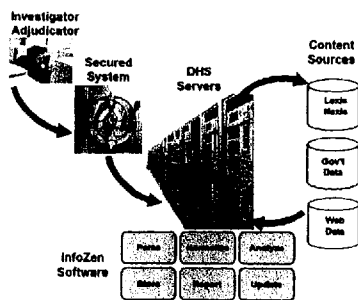
## Section 1

### DHS Project

## Homeland Security

- Employee screening
- Multiple data sources
- Scripts determine "pass" and "fail" applicants
- Web Interface for investigators and adjudicators
- Similar project for Hazmat in 50 state motor vehicle agencies

## DHS System

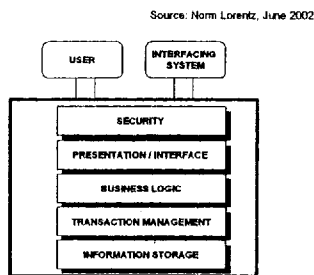


## DHS Details

- Semi-automated
- Automated segmentation
- Risk levels assigned: green, yellow, and red
- Automatic aggregation of additional data sources
- Analytics determine "scores" from data and text
- Web services, not a single computer



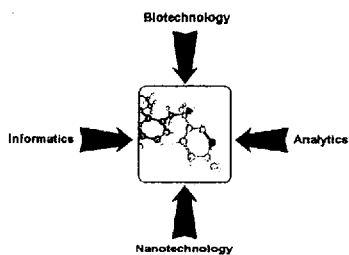
## Tiered Development



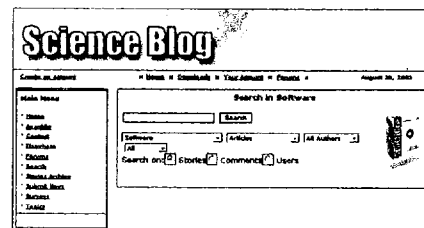
## Section 2

### New Content

## Consider Chemistry



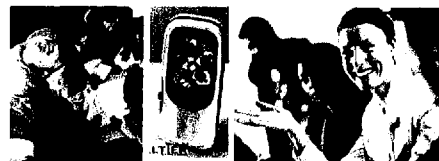
## Science Blog



## Challenges

- New disciplines
- "Content" not only not in print journals – it's a trail of spontaneous communication (recognized e.g. by Google's inclusion of blogs)
- Fast-changing information
- Global
- Boundaries fuzzy
- Computation and computer processes needed

## Consider Ad Hoc Local Linkages



## Trepia: Local / Regional Contacts

**TREPIA**  
your instant community.

As seen in Wired Magazine, TIME Magazine, USA Today, National Geographic, and Outlook.

Trepia™ is a revolutionary new online application that lets you instantly meet other people in your industry. Other people will notify you as your contacts get automatically, allowing you to communicate with them.

Trepia™ performs a smart searching Progressive Discovery Search for nearby people using demographic information about the contacts you are. It searches from the inside out, first adding people based on you, then branching out to others.

Meet out new people and make connections easily. Trepia™ makes you part of an instant community wherever you are.

Trepia was recently chosen by Wired Magazine as one of their software inventions to watch!

Whether it's on a screen, at work, or at a conference, discover a world of people just around the corner!

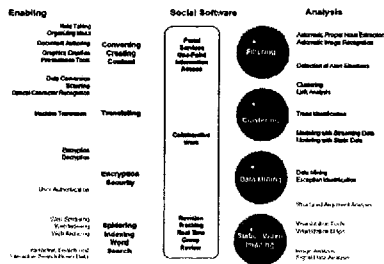
Trepia™ is free to use and contains no sponsors or ads.

## XML... The Driver

```

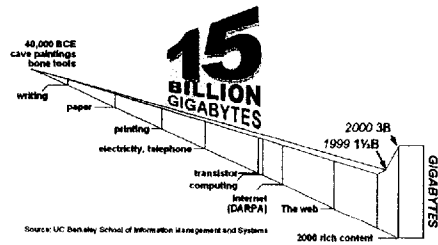
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## Today's Systems

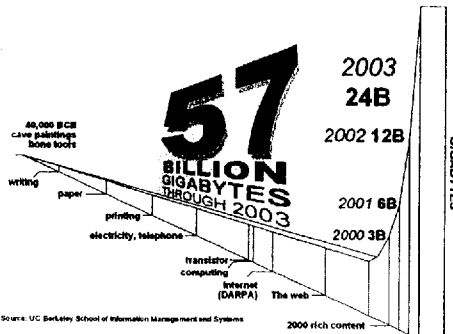


## Growth of Information

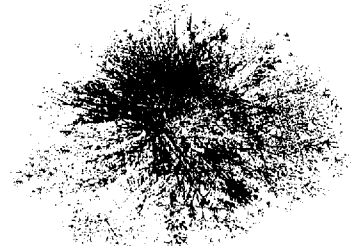
Information Creation Through 2000



## ... And After Next Two Years

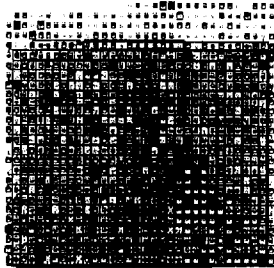


## Swarms and Hives



Source: Internet Mapping Project (SR Chen, Bob Lab, Hal Burch, CMU)  
<http://www.cs.bell-labs.com/whol/ches/mapping.html> and <http://hal.burch.cmu.edu/Courses/cs347-2002/>

**Map of DoD Computers**



Source: Catherine Santana, Director FMMP, DoD, 2002

# OSS '03 PROCEEDINGS "BEYOND OSINT: Creating the Global Multi-Cultural Intelligence Web" - Link Page

[Previous](#)      [REINVENTING COMMERCIAL INTELLIGENCE](#)

[Next](#)      [Contribution of LtGen Patrick Cammaert, Military Advisor to the Secretary General of the UN](#)

[Return to Electronic Index Page](#)