Four search engines

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MultimediaN is a public-private partnership focusing on science and technology of multimedia interactions & search engines

2002-2004 preparation
2004-2009 implementation
2009- ????? ????
MultimediaN is a public-private partnership focusing on science and technology of multimedia interactions & search engines

7 Founders (UvA, CWI, TUD, TNO, Philips, UT, TI)
>120 people directly involved
39 affiliated business partners
Budget 30 Meuro
MultimediaN project research areas

knowledge
structure
annotate
mining

image picture
video
sound
speech
signs
text
lingual

processing

system
databases
standards
compress

interact
present
synthesize
Multimedia information features

- Image
- Picture
- Video
- Sound
- Speech
- Signs
- Lingual

knowledge

- Structure
- Mining

- Present
- Synthesize

- System
- Databases
- Standards
- Compress
Multimedia database

- image
- picture
- video
- sound
- speech
- text
- lingual

knowledge

standards

system

database

compress

"generate a playlist of the available content that fits the likes and moods of all current listeners"
Multimedia semantic access

knowledge structure annotate mining

image picture video sound speech signs text lingual

process databases standards compress

degoogleing

synthesize
4 search engines

1. Semantic web browser
2. The moods of the Internet
3. Video browsers
4. Peer-to-peer video indexer
1. Semantic web search

http://e-culture.multimedian.nl
1. Semantic web search

The Intro pitch was on semantic web search

Unlike zillions of static websites this one is open-ended and generated by the query

*It won the semantic web challenge of W3C*
Search results on **Picasso** organized by category (139 results).

**Works with matching title (3)**

- **Picasso and Braque**
  - Tarney, Mark
- **Portrait of Picasso**
  - Gris, Juan
- **Three Chairs with a S**
  - Hockney, David

**Works with matching material (6)**

- [Image of sculptures]

**Timeline**

- 1870
- 1890
- 1910
- 1930
- 1950
- 1970
- 1990
- 2010

- **Picasso, Pablo**
- **Braque, Georges**
- **Gris, Juan**
- **Miró, Joan**
- **Contemporary**
2. Moods of the world

The second one crawls livejournal.com to grasp the mood of the world

😊 Moodsignals
😊 Moodspotter

Compare with www.imood.com
Peak (1) 07/15/2005 11h - 07/16/2005 11h
Overused terms during the peak period:
harri, potter, book, hbp, excit, princ, factori, read, midnight, input, spoiler
2. Moodspotter "katrina"

Changes in mood around "katrina" in 2006-8

- Agitated
- Anxious
- Alert
- Annoyed
- Contented
- Cheerful
- Excited
- Nostalgic
- Okay
- Passed
- Sleepy
- Tired
2. Moodspotter “buy”

Changes in mood around “buy” in 2006-11

- Yellow: happy
- Red: tired

See www.moodviews.com
3. Video browsers

MediaMill is for browsing video archives:
- thousands of hours of news
- hundreds of hours of your videos

MediaMill is a top-3 performer in TRECvid, the yearly world-wide competition on video search
4. Peer-to-peer video indexer

Scale-out to the community using P2P video metadata exchange

*StreetTivo* is for peer-to-peer video indexing.
3. Peer-to-peer video indexer

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The Search Engine Grand Challenge

What, When, Where?
• What if you could easily….
  – experience again last year’s holiday?
  – ‘fly’ back to 1642 and discuss a painting?
  – revisit your place of birth?
  – what did Mozart eat while writing the Zauberflote?

Concepts, Locations, and Time are the keys to unlock this treasure
The Digital Time Machine

As a metaphor might help focus EU activities
MultimediaN
for digital media, live has just begun

www.multimedian.nl