Outline

- InfVis & Knowledge Work
- Concept Visuos
- System Modules
- Use case Mediothek
- Conclusion
Knowledge Work

- Acquire Information (monitor, search)
- Make sense of it (extract information)
- Create something new (add, organize)
- Act on it (distribute, apply)

InfVis & Knowledge Work

- Filmfinder (Searching)
  - Dynamic queries, scatterplot
- SmartMoney (Monitoring)
  - Treemap
- Visuos
  - Comprehensive concept
  - Merge of design and InfVis principles
Visuos - Design Principles

• Computational Design
• Automation & Cybernetics
• Interaction & Interface design
• SW design starts on the level of the OS
• Visuos does not rely on any standard GUI library

Visuos - InfVis Principles

• Fisheye View
• Details on Demand
• Multiple Coordinated Views
**Visuos**

- Clemens Lango, phd project
- Concept of an OSW for knowledge work
- Access to knowledge spaces
  - Knowledge Management
  - Information Retrieval
  - Monitoring of knowledge spaces
  - Automation of tasks

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**Visuos Concept**

- Access modules are integrated into a holistic concept with minimum friction
- Goals
  - Novel functionality for knowledge work
  - Providing a homogeneous visual environment
  - Higher efficiency and productivity
  - Support of novice and expert users
Visuos Modules

- Content
- Query
- Space
- Link Manager
- Flow Module
Query Module

- Retrieve data in public (server) and private spaces (hard disc)
- Venn diagrams to create and refine Boolean expressions

A and B and C
(A or B) and C
C not (A or B)

15. September 2004 - Summerschool Universität Konstanz
Th. Buering
Space Module

- Information spaces (sitemap, ftp, file systems etc.) are uniformly visualized
- The same conceptual model as for queries is applied
- Navigation via Zooming
- Avoiding workflow friction
link Manager Module

• Trail section
  - Visual history log
  - Records trails of user navigation

• Link Section
  - Provides context space for active element
  - Contains multiple link classes
flow Module

- Represents a visual, time based log of all user activity and module states
- User is able to return to any point in previous work flows
- Automation of future tasks, eg. update of locally stored online content
Use Case Mediothek Konstanz

• Library providing media other than books
• Users should be supported to search the library
• How would such a task be carried out using Visuos?

Conclusion

• Knowledge Work needs a holistic application
• Visuos provides an aesthetic visual framework
• No implementation available
• Still limitation and inconsistencies