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# Visual Analytics: Collaboration of Human and Computer to Solve the World's Most Pressing Challenges

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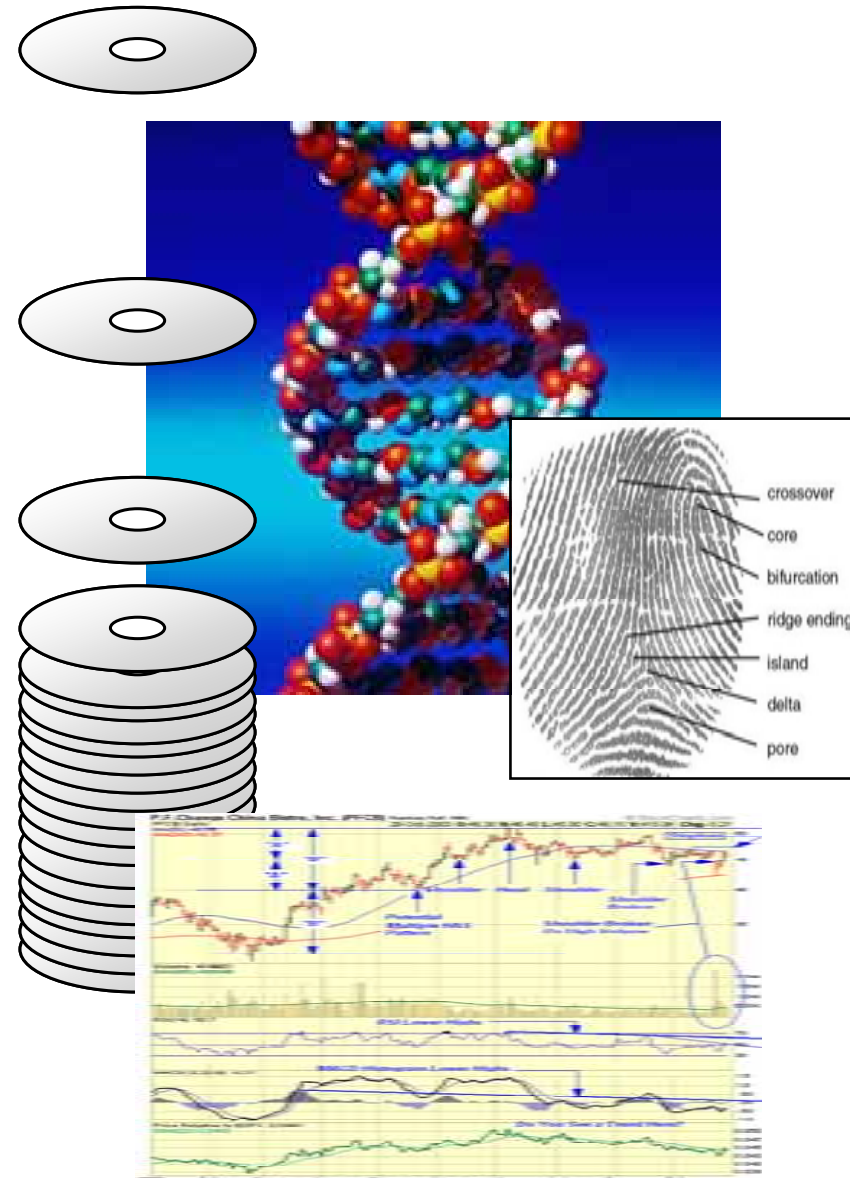
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# Visual Analytics – The Vision

- The Challenge:  
Continuously and rapidly growing data sets
- The Vision:  
Integrating human capabilities with machine capabilities will most effectively address this challenge
- Solutions increasingly demanded in various industries
  - Financial industry
  - Security and Safety
  - Policy management
  - Life science
- The problem will only get worse!!



# Why Visual Analytics today?

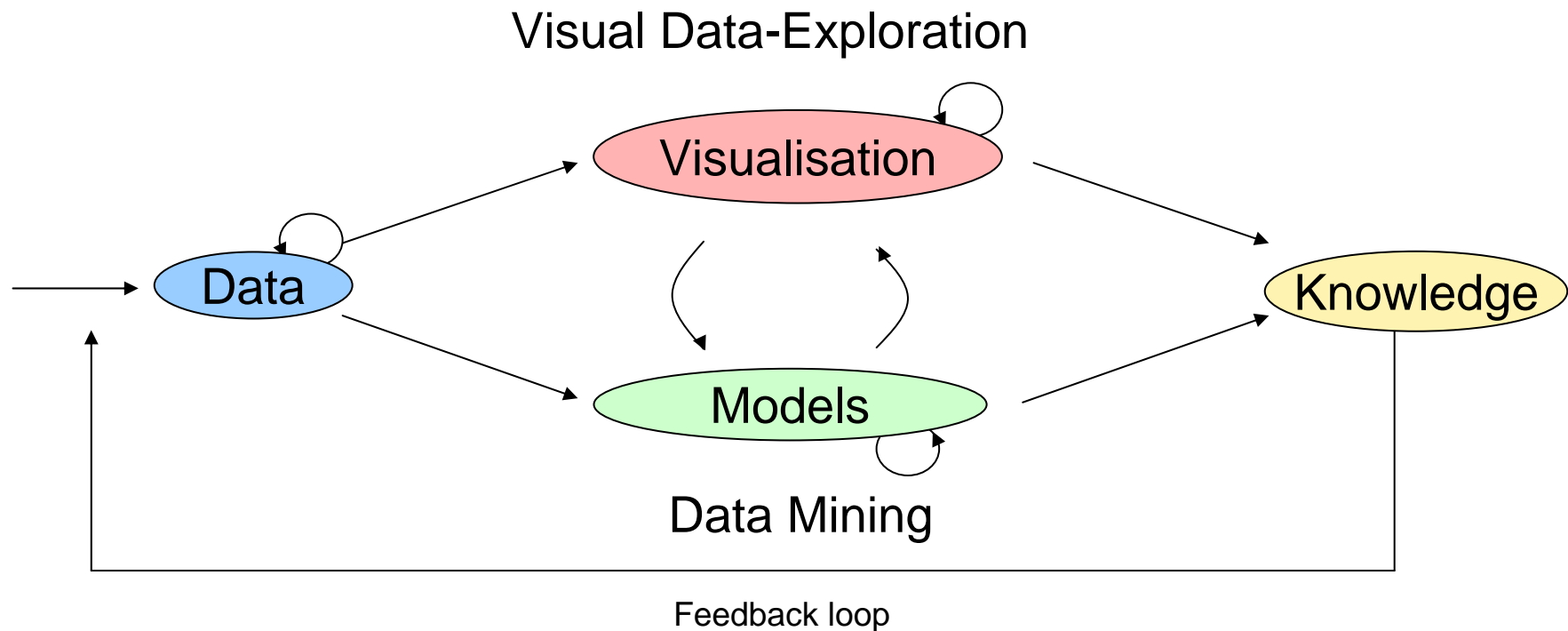
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What do we have?

- **Automatic Knowledge Discovery & Data Mining**
- **Interactive Visual Data-Exploration**

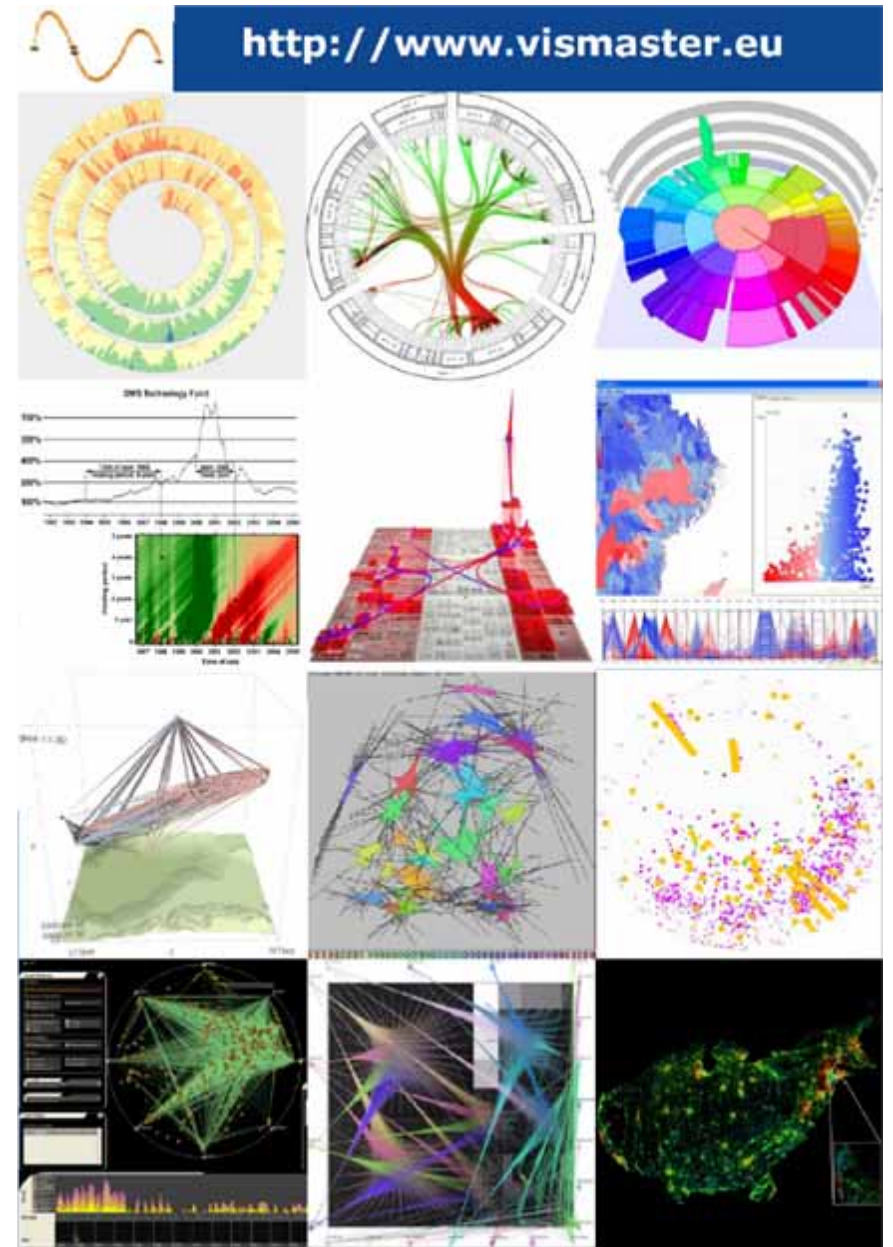
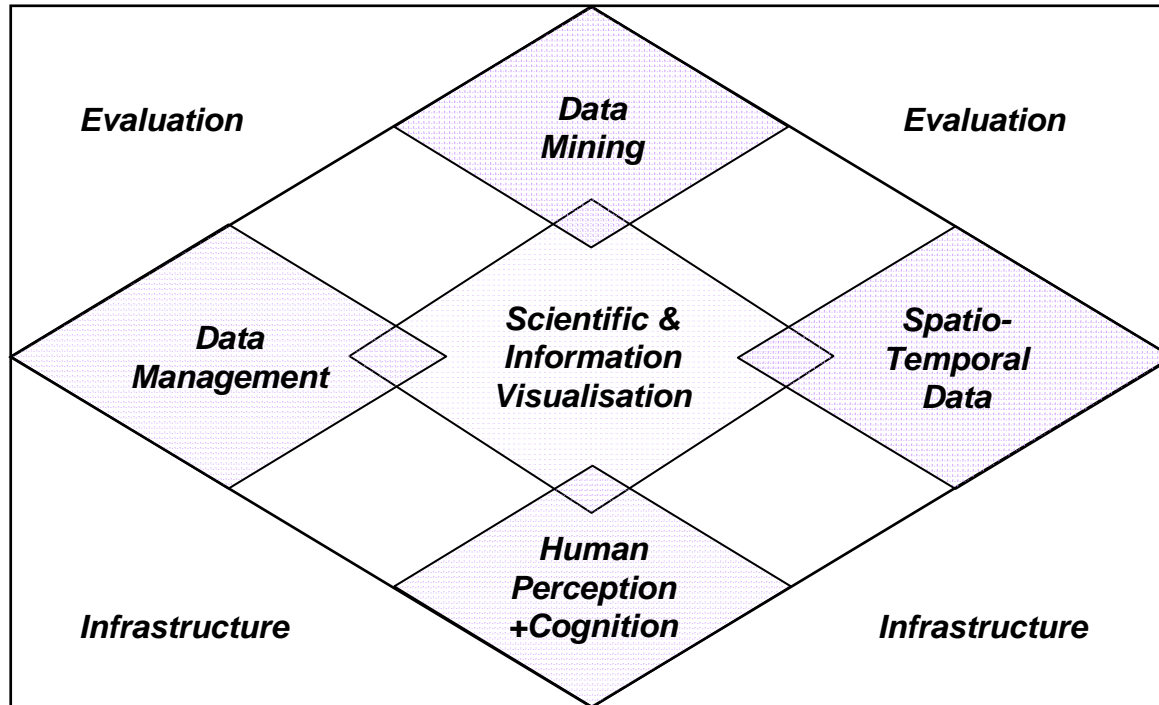
What do we need?

- **Tight Integration of Visual and Automatic Data Analysis Methods with Database Technology for a Scalable Interactive Decision Support**



# Current FET Open Project: VisMaster CA

- New interdisciplinary research community with over 35 partners
- Publication of European Visual Analytics Research Roadmap in September 2010

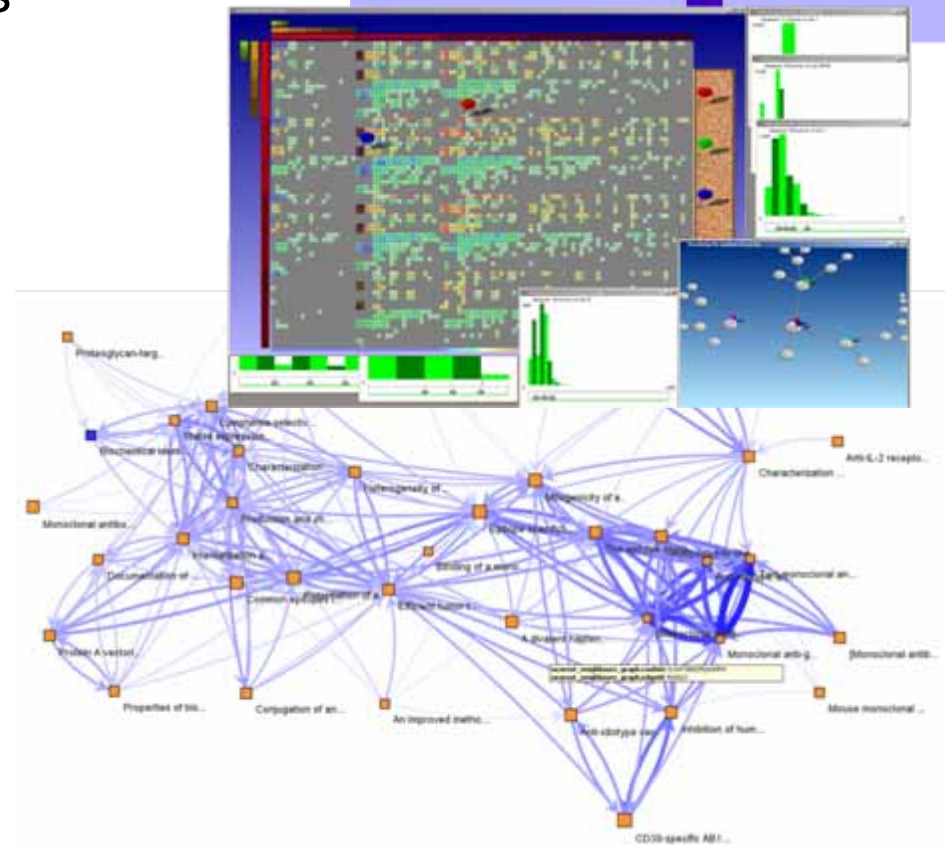
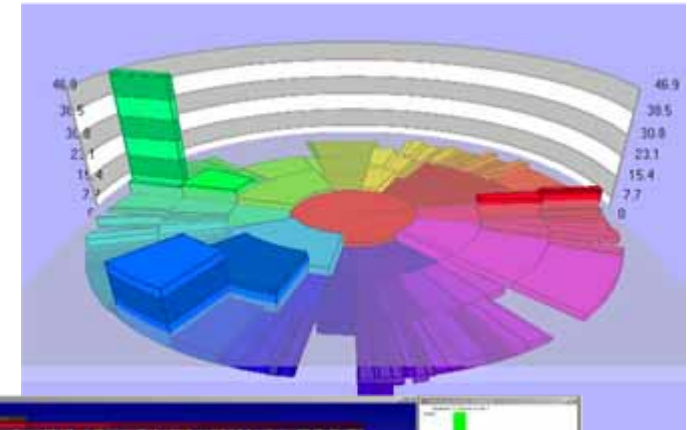


# Related Flagship Ideas

- Humans and Computers have to collaborate to solve the problems of the future, combining their advantages
  - Complex Socio-Techno Systems
  - Future Problem Solving Technologies

## Specific Related Flagship Initiative:

- The FuturICT Knowledge Accelerator:  
Unleashing the Power of Information for a Sustainable Future



# Contact

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