



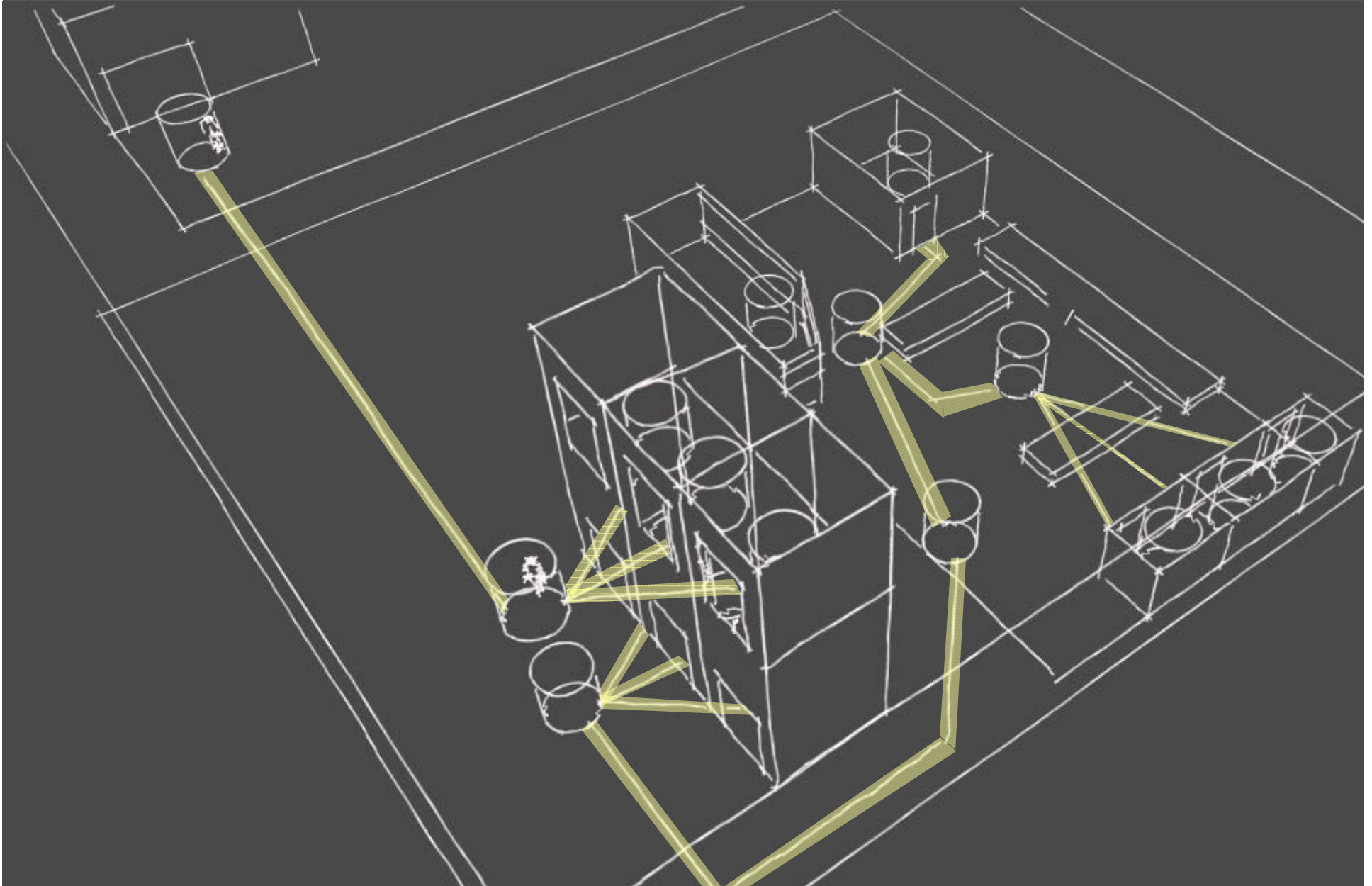
Mittwoch, 9. Januar 2008

Rigorous Visualization of Processes for Hospitals

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problem

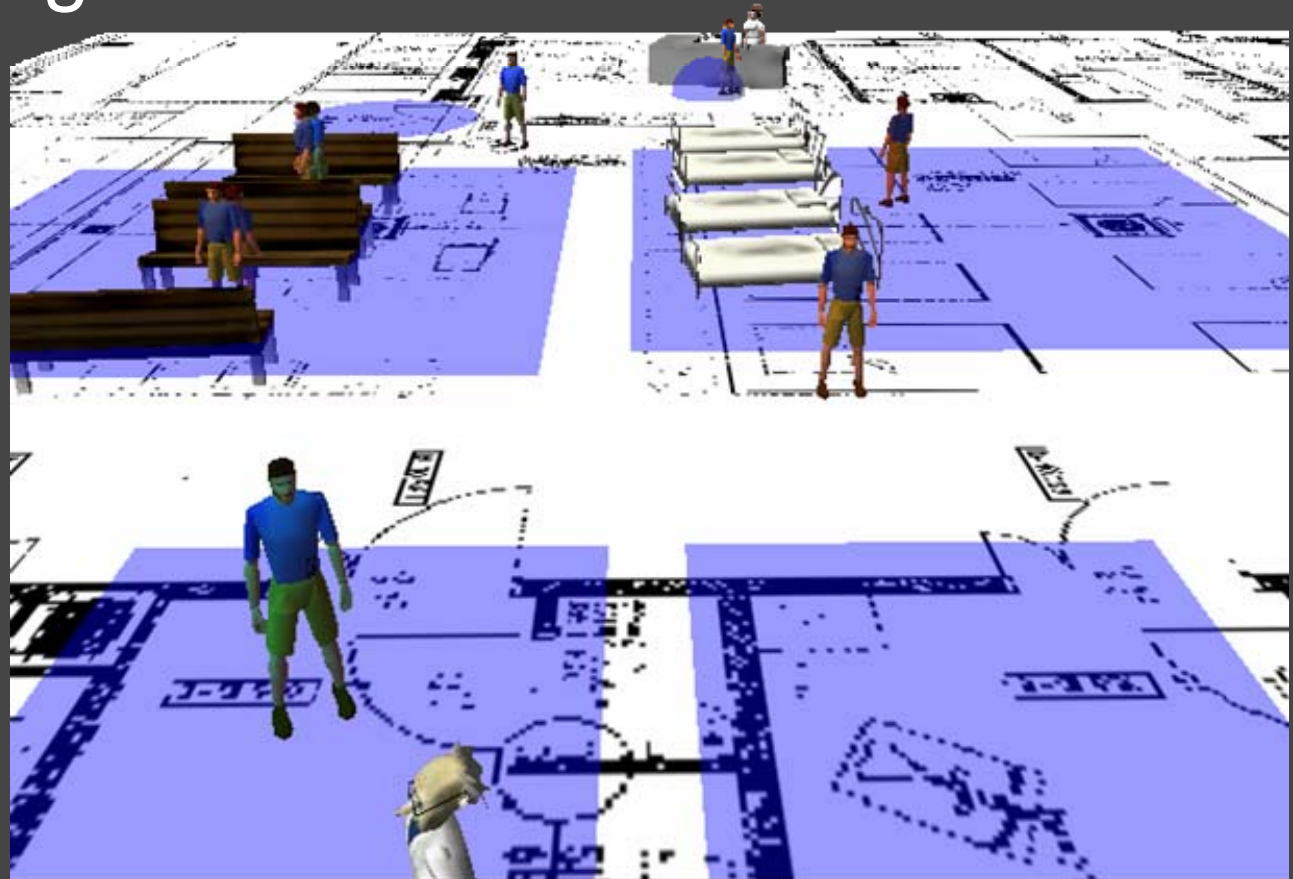
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- let planner see effects of processes in early stage

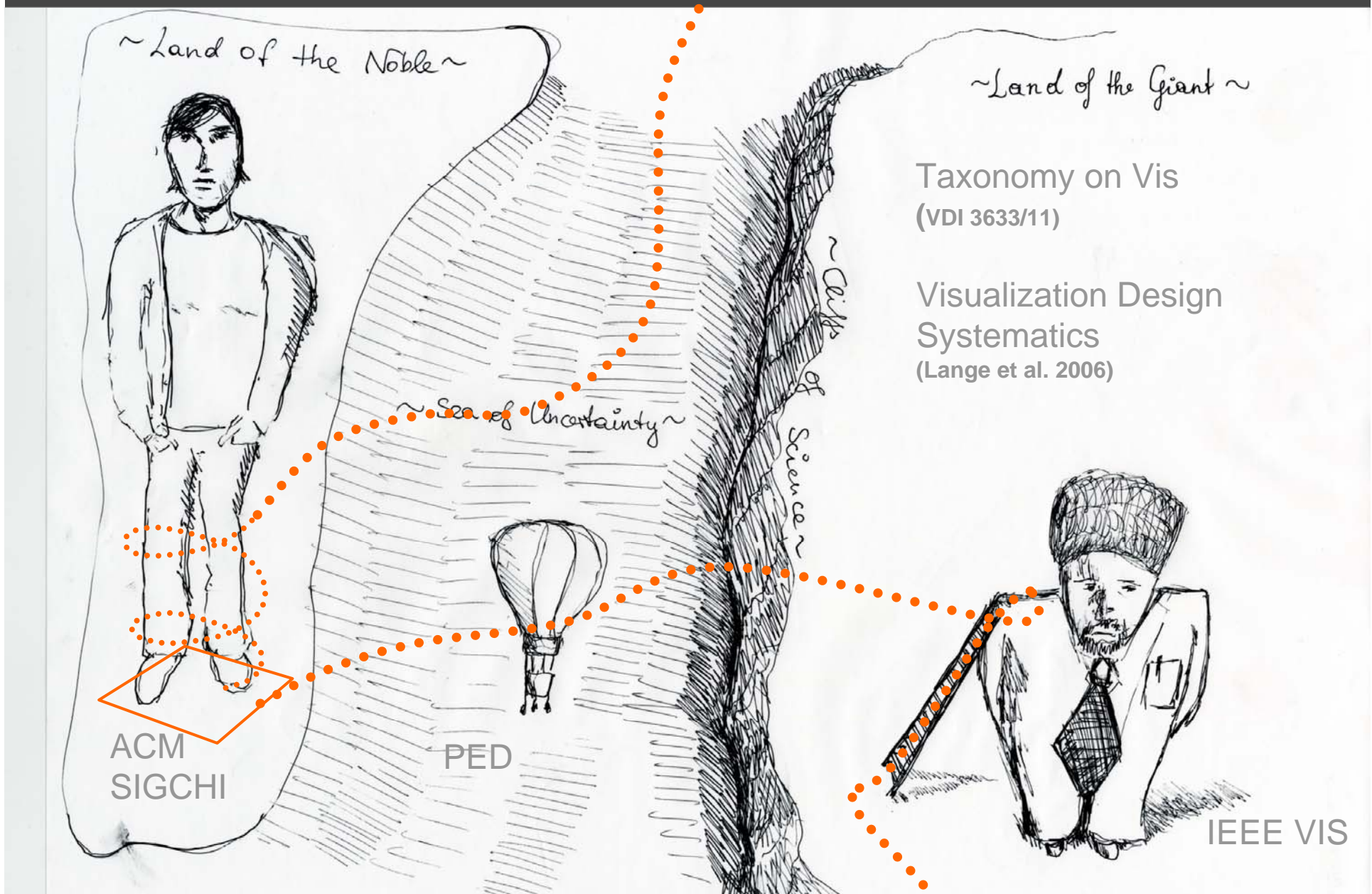
↔ simulation,
planning,
visualization

↔ process
optimization



finding a visualization

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- data gathering for visualization
- previous work
- spatial zooming
- temporal zooming
- design

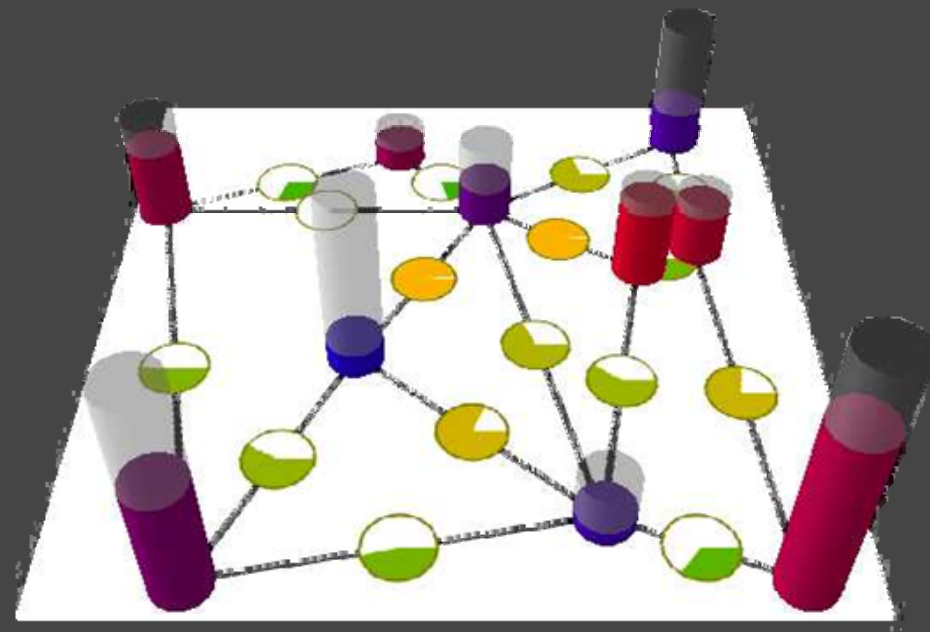
data gathering

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The screenshot displays a software window titled "Prozesseingabe". On the left, a sidebar shows a list of processes, with "Speisenversorgung" selected. The main area features a process flow diagram with four rooms ("Zimmer 1" to "Zimmer 4") and a "Lager" (warehouse) area. A central node is labeled "Bestellung Schwesternstp.". On the right, a panel titled "Aktionspunkte" (Action Points) is open, showing a list of actions: "Neuer Aktionspunkt", "Aktionspunkt bearbei...", and "Aktionspunkt löschen".

- gather process points with attached data from medical personnel
- easy to comprehend
- easy to use

New Methods for the Visualization of Electric Power System Information (Overbye and Weber 00)



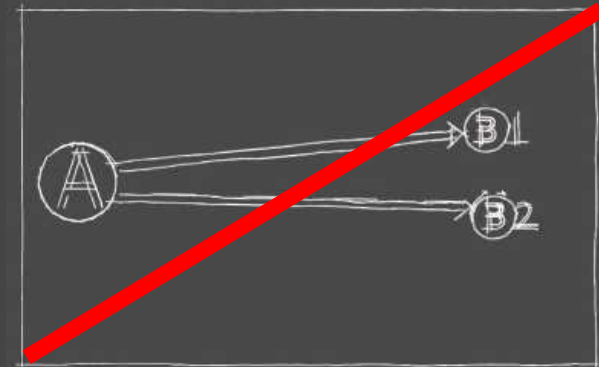
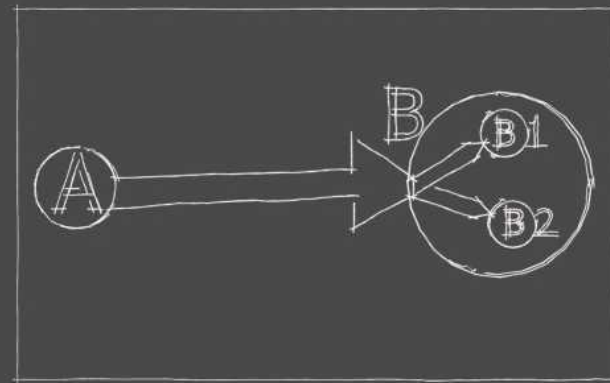
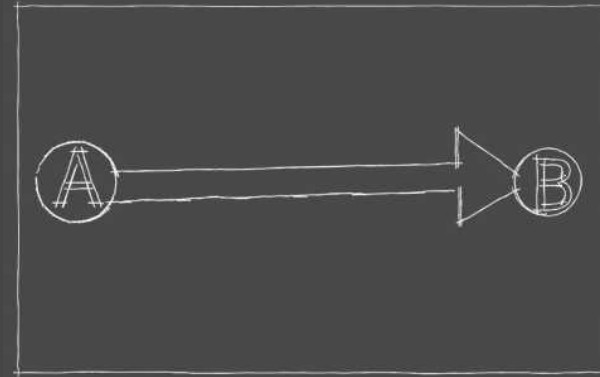
graphics courtesy of stefan daschek

↔ focus+context, semantic zooming

spatial zooming

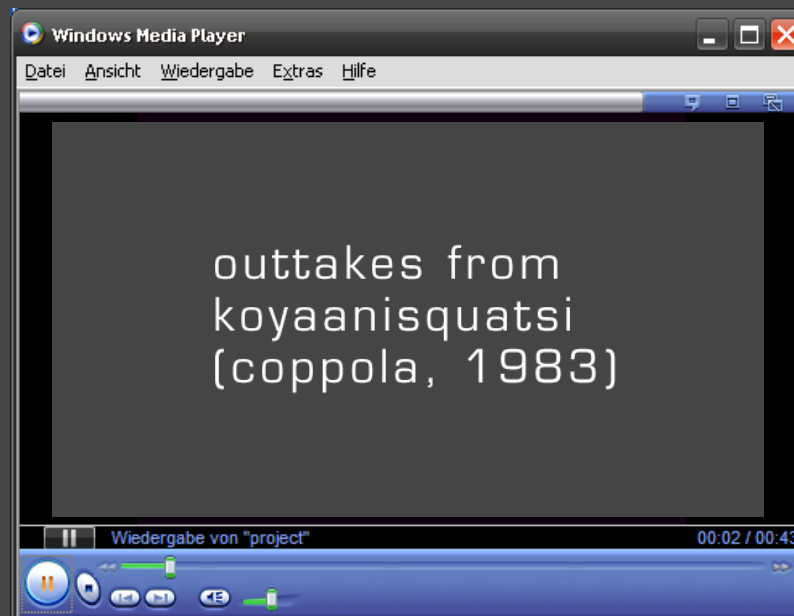
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reveals information
preserves overall
structure



↔ focus+context, semantic zooming

- visualization shall accumulate paths
→ individuality vanishes as time gets denser



- graphic design evolves in spiral process,
- quality through iterations
- customer (hospital) in mind

Rigorous Visualization of Processes for Hospitals

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