



Informedia

Digital Video Library

Informedia-II: Auto Summarization and Visualization of Multiple Video Documents from Distributed Sources

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Key Challenges for Informedia-II

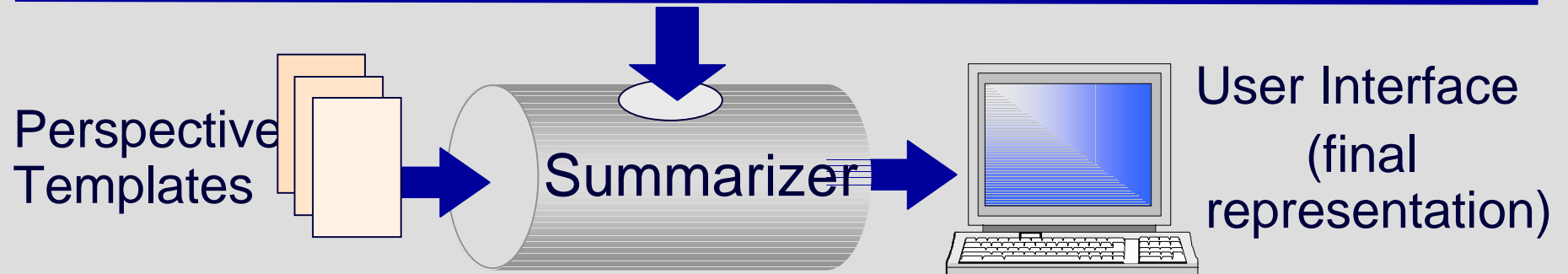
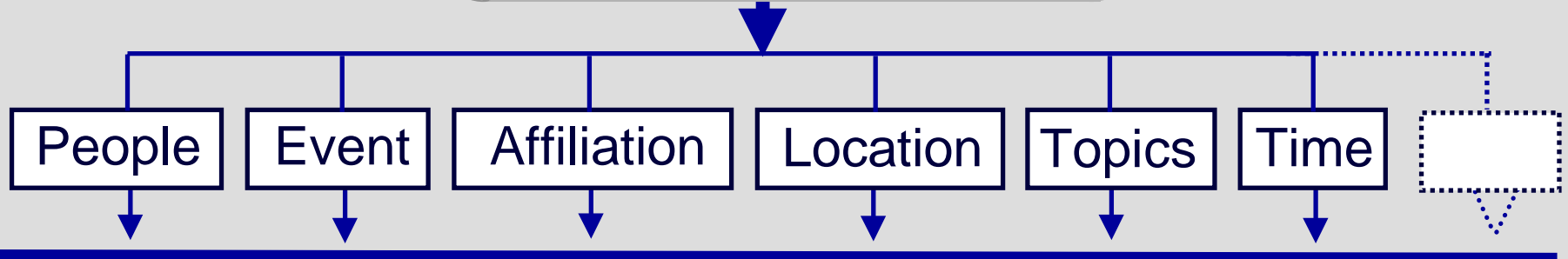
Goal: Auto-summarization and visualization of multiple audio & video documents, stories and reports

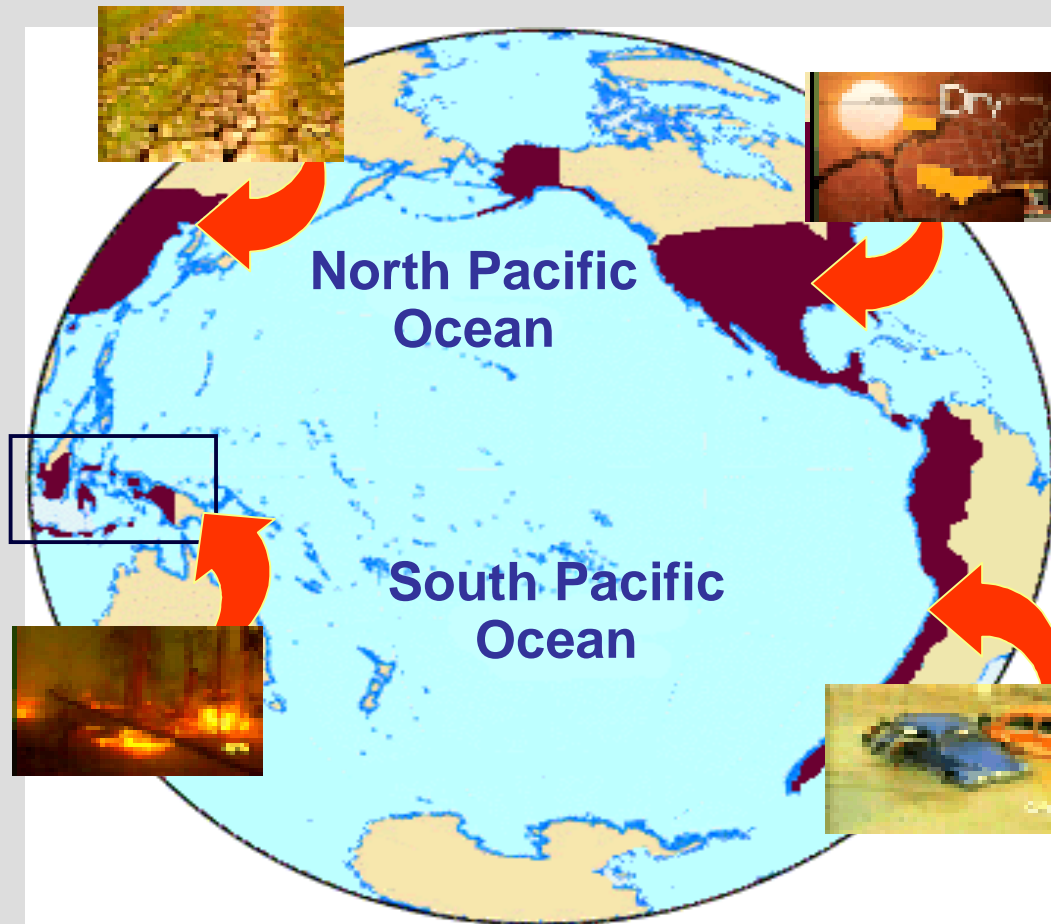
- *collages:* by time, location, personalities, events
- adapted to *context of query*
- eliminating redundancy
- at any level of detail
- creating personality and event profiles on-demand

Key Challenges for Informedia-II (cont'd)

Requisite subgoals:

- establishing *geographic and temporal context*
 - geocoding all data by source and internal reference
 - extracting explicit and indirect time/date references
- video characterization and classification of image/verbal content
- integrating/scaling across *heterogeneous distributed collections*
 - establishing standards to enable combining remote content





Map collage emphasizing distribution by nation of “El Niño effects” with overlaid thumbnails



Map collage produced when user zooms into the boxed area around Indonesia.



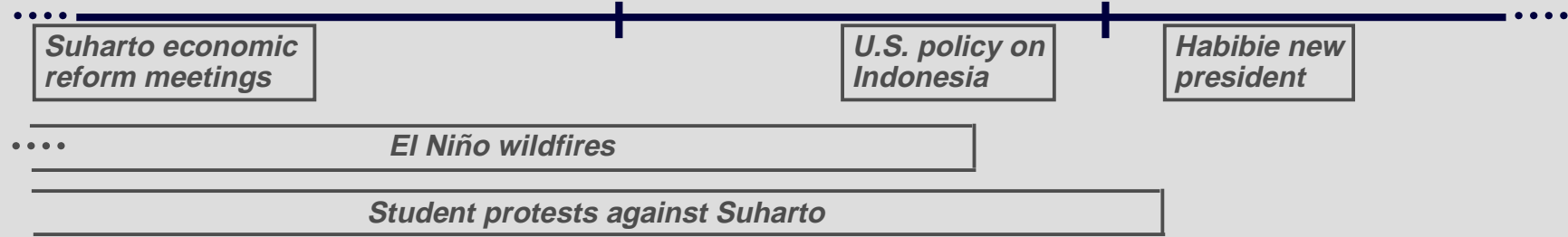
March 1998



April 1998



May 1998



Timeline collage emphasizing “key player faces” and short event descriptors, representing the same data shown in Indonesia map perspective.