



VidGrid: Distributed video analysis with Grid technologies

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Existing Software

- Range of software types
 - General CAQDAS systems
 - Bespoke video analysis systems
 - Practitioner-based solutions
- Problems include...
 - Video as an add-on
 - Collaboration as an add-on



Identifying Requirements, Informing Design

- Collecting ‘data stories’
 - Interviews with experts in using video in social science
 - ... linguistics, anthropology, psychology, sociology ...
 - ... UK, France, Holland, Germany, Finland, USA, Japan ...
 - Interviews with expert ‘practitioners’ using video (market research, sports science, medical training, film, etc.)
- Participation in video-based research
- Studies of ‘data sessions’

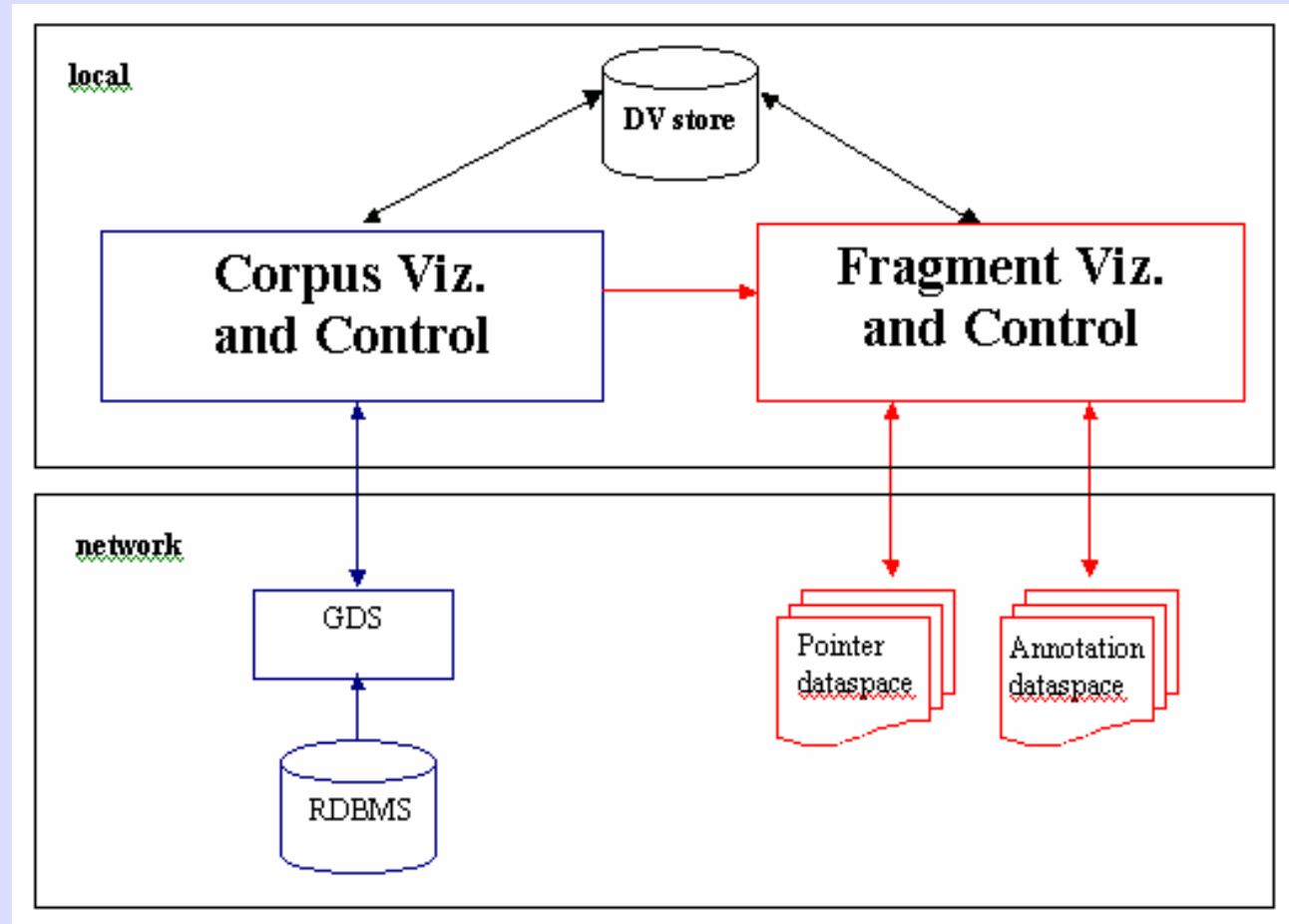


Grid-enabling video analysis

- (Machine distribution)
- Application distribution
- Data distribution
 - Video data
 - Analysis data (annotation, fragments, etc.)
 - Discovery by metadata
 - Equip server service



VidGrid Prototype System



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Fragment Viz.



File	Mime type	Frozen
fw_example_view1.m...	video/mpeg	No
fw_example_view2.m...	video/mpeg	No

File	Mime type	Frozen
fw_example_view1.m...	video/mpeg	No
fw_example_view2.m...	video/mpeg	No

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Current developments...

Grid-enabled corpus data discovery
+ Synchronous annotation
+ Projected UI support



Initial Trials



Pilot analysis



Outstanding Issues...

- Identifying complexity
 - Integrating multiple forms of media
 - Extraneous materials (field notes, photographs etc.) and indigenous materials (e.g. cctv images, documents, posters, etc.)
- Tools to integrate media
 - Technical integration (GT3, SRB, AGN2)