

BUSMAN

Bringing User Satisfaction
to Media Access Networks



IST Concertation Meeting
Barcelona, 22-23 April 2002

Main Objective

BUSMAN will design, implement, validate, and trial an efficient and secure system for delivery and querying of video from large databases.

Delivery and querying will be considered across mobile environments, fast fixed networks and the Internet.

Main Functionality

BUSMAN will:

- **enable seamless and secure provider-to-customer delivery of video components across heterogeneous channels**
- **ensure user-friendly retrieval of video content when fast speed of access in a protected environment is demanded**

BUSMAN

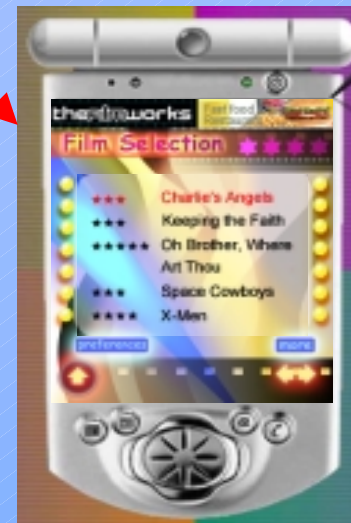
User scenario

- Lynda is one of London's 2m commuters
- BUSMAN provides a way to pass the time and sort out the weekend's entertainment

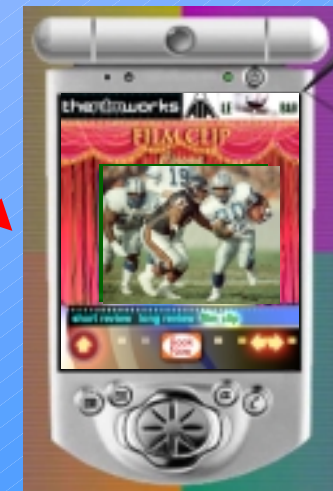
The train is late (again). I wonder what's on at the movie theatre?



Input preferences



View possibilities

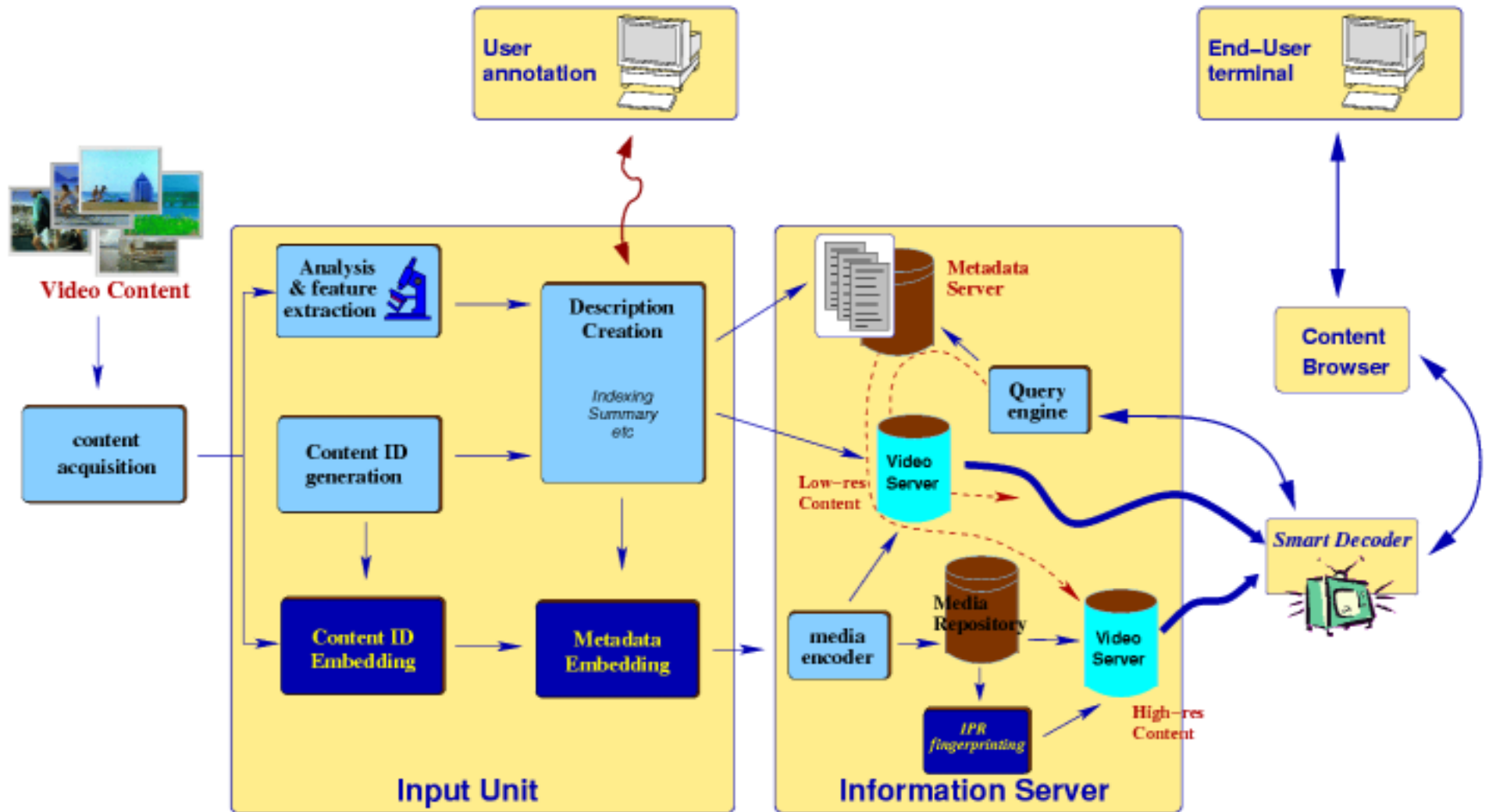


Preview selection

Targeted Technologies

- **Video retrieval using self-embedded metadata**
- **Scalable techniques for efficient metadata generation, video annotation and querying**
- **Copyright protection using multilevel watermarking**
- **Use of low-level descriptors to access high level semantic video information**
- **Desktop and mobile user-friendly interfaces for content search and consumption**
- **User interface, system design and user evaluations according to innovative human factor studies**

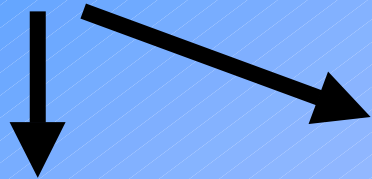
BUSMAN System



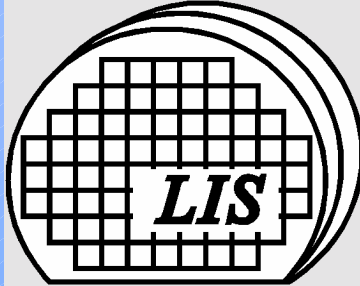
Related Projects

- **MPEG-21** : paper being drafted in response to recent call for requirements for persistent association of identification and description with Digital Items
- **MPEG-7** : input paper from BUSMAN will be submitted proposing suitable profiles
- **VNET5** : User-Centred Product Creation in Electronic Publishing. BUSMAN intends to use VNET5 guidelines for user centred system design and evaluation methodologies

Consortium



Partners : 8 partners
Project duration : 30 months (start date 1st April)
Web site : soon to be launched!



BUSMAN