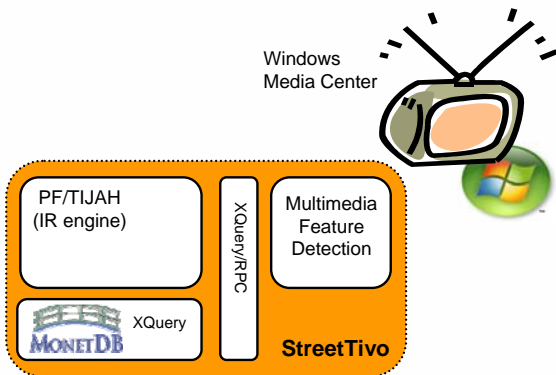


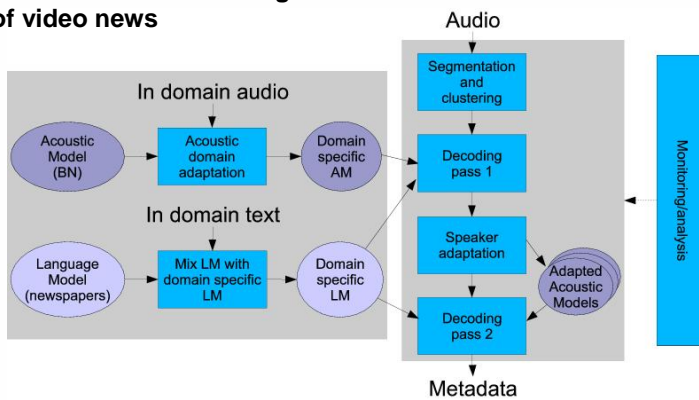
MultimediaN in the living room



Personal Video Recorder (WMC), combined with:

- Automated metadata generation via multimedia feature extraction, e.g.:
 - ASR (automatic speech recognition)
 - Scene- and/or shot-segmentation
 - Library of repeated objects
 - Library of famous people
 - ...
- Support for Collaborative Indexing in a P2P network
- Information Retrieval (PF/TIJAH; XRPC)

Robust ASR for indexing of video news



Example transcripts for Broadcast News

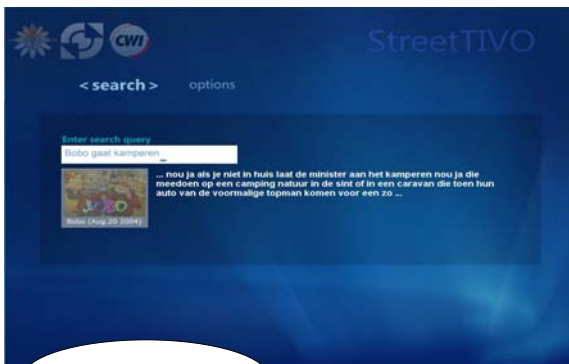
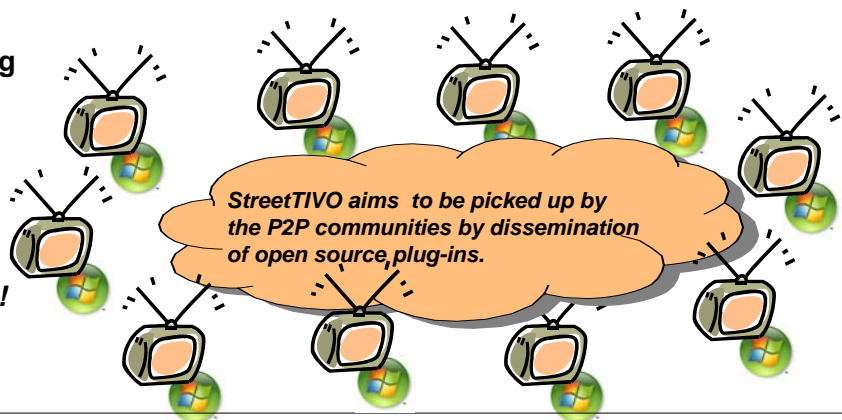
```
<segm>
Van een gerechtshof in Amsterdam mag de oud
hoofdredacteur van Quote Jort kelder veel zeggen over
advocaat Bram of provinciale weg te houden
</segm>
<segm>
dat die hun behoeften leugenaar zou zijn
</segm>
<segm>
dat die te dicht op de onderwereld zit allemaal vrijheid
van meningsuiting
</segm>
<segm>
maar maffia maatje gaat te ver.
</segm>
```

Cf. <http://hmi.ewi.utwente.nl/showcase/broadcast-news-demo>

Collaborative Indexing in a P2P network

- feature detection
- indexing
- workload division

All at broadcast time!



StreetTivo interface

StreetTivo

- creates more fine-grained semantic annotation
- supports P2P software developers
- makes video searchable at fragment-level
- can link video to other media (e.g., newspaper content)
- allows plug-in of innovative feature detectors
- can be combined with social tagging and P2P interaction
- will be made available as open source software