Photobook UC

Erik Mannens
Generic Use Case

- A series of photos and/or regions-of-interest within that series of photos (of a particular journey, for instance) can be linked together temporally or certain regions-of-interest of a series of photos can be linked together spatially.
Specific UC 1 - Temporally

- Temporally this means that an application would be a slide show made up of image fragments from different servers - a kind of image playlist of fragment URIs.

- There may be an issue with size.
Specific UC 2 - Spatially

• Spatially this means that an application would be the creation of a "stitched" image from images where regions are brought together from different servers.

• There may be an issue with smoothing and/or positioning.
Existing technologies (1/4)

- RSS & Atom Web Content Syndication Formats

- Windows Live Gallery: Flickr RSS Slideshow gadget created by the Windows Live Spaces team
- takeslides.com uses the Google AJAX Feeds API and GFslideShow to create a simple slide show gadget of your favorite media RSS/Atom feed. You can take your gallery from Picasa, Flickr or Photobucket to your web page, igoogle or iphone
Existing technologies (2/4)

• W3C’s SMIL
  – XML-based markup language that allows you to control the layout of your multimedia presentation (what and where the media objects are) as well as its synchronization and temporal relationship

  – Using `<seq>` & `<par>` tags
  – Using “begin” & “dur” attributes

  – SMIL Player needed
Existing technologies (3/4)

- MPEG-21 Part 17: Fragment Identification of MPEG Resources

- MPEG-21 Part 2: Digital Item Declaration (DID)

- MPEG-21 Part 10: Digital Item Processing (DIP)
  - client-side processing ... pseudo playlist

- MPEG-A
  - MAF’s (Media Application Format) guidance by offering combinations of various MPEG technologies to address specific application scenarios
  - Photo Player MAF
    - MPEG-4, MPEG-7, MPEG-21
Existing technologies (4/4)

- XSPF ("spiff"): XML Shareable Playlist Format
  
  - Xiph community (Ogg, Vorbis, Flac, Theora)
  
  - Multimedia (but primarily focused on audio)
  
  - Using <playlist>, <trackList>, <track> & <location>
Discussion

• Other Specific Uses Cases around?

• Other Technologies around?

• Issues forgotten?