



Connected TV Accessibility

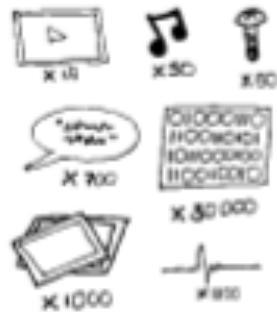
Pilar Orero
20 March 2015

2 Academic Institutions	 Universitat Autònoma de Barcelona  
4 Public Broadcasters	 RUNDUNK BERLIN-BRANDENBURG  RADIOTELEVISÃO PORTUGUESA   TELEVISIÓ DE CATALUNYA
2 Research Institutes	   IK4 Research Alliance
4 SMEs	     Holken Consultants & Partners



TRADITIONAL BROADCASTING

1



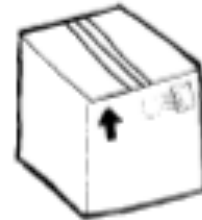
The programme is made in the traditional way.

2



The programme is turned into a piece of linear media.

3



This is broadcast to everyone.

4

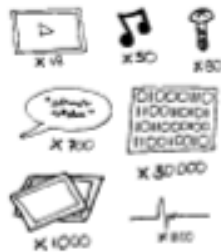


The same content is played back on all devices, resulting in compromises on some devices.



OBJECT BASED BROADCASTING

1



The programme is made in the traditional way.

2



The programme is turned into a collection of media objects along with some metadata to describe how it should be assembled. All of this data is broadcast to everyone.

3



The device inside the viewer's home re-assembles the media objects according to the metadata.

4

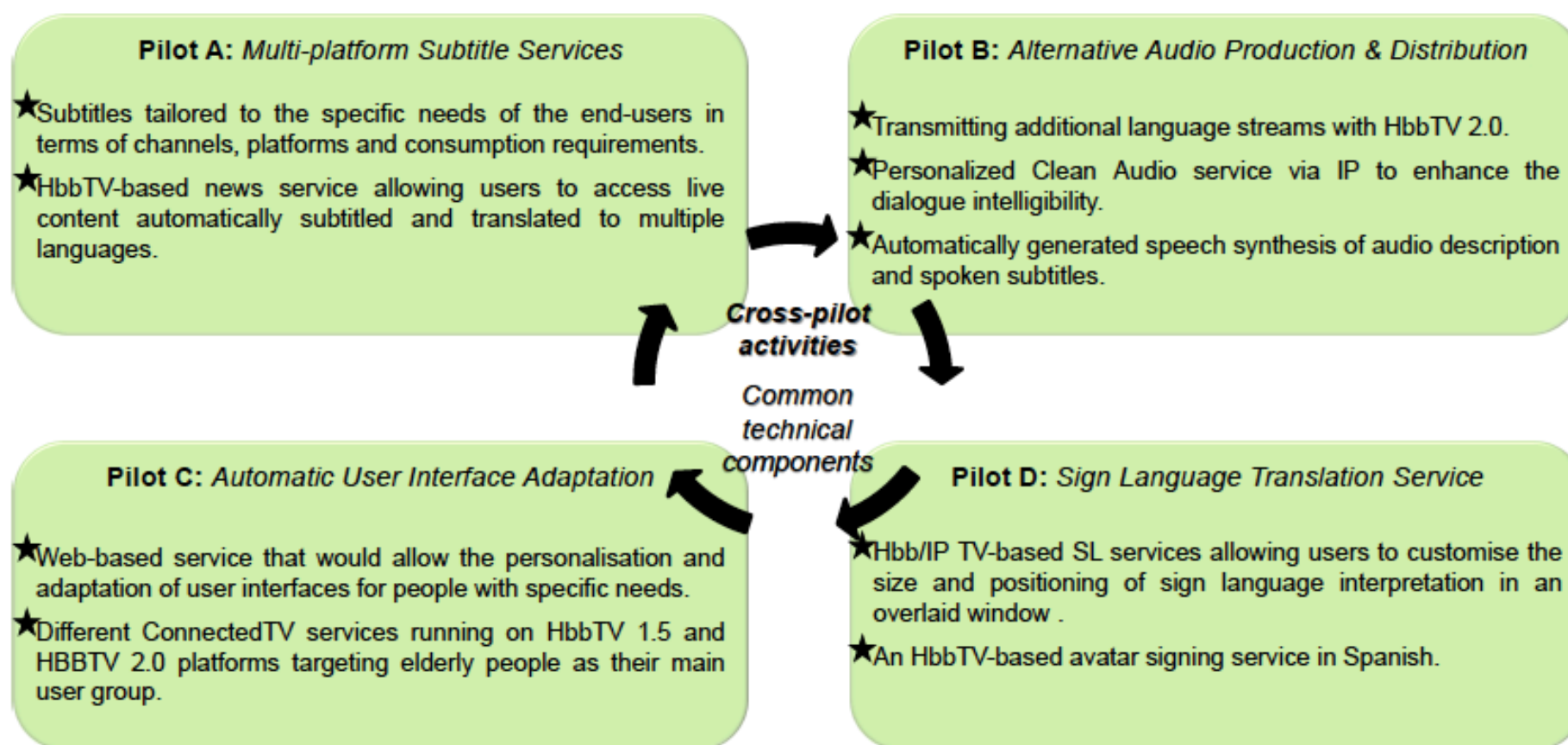


The objects can be assembled differently (based on the original metadata). optimising the experience depending on local factors relating to the device, environment and viewer.



- Subtitling
- Audio description
- Spoken subtitles
- Sign language
- Clean Audio
- Technology access in general: user interaction

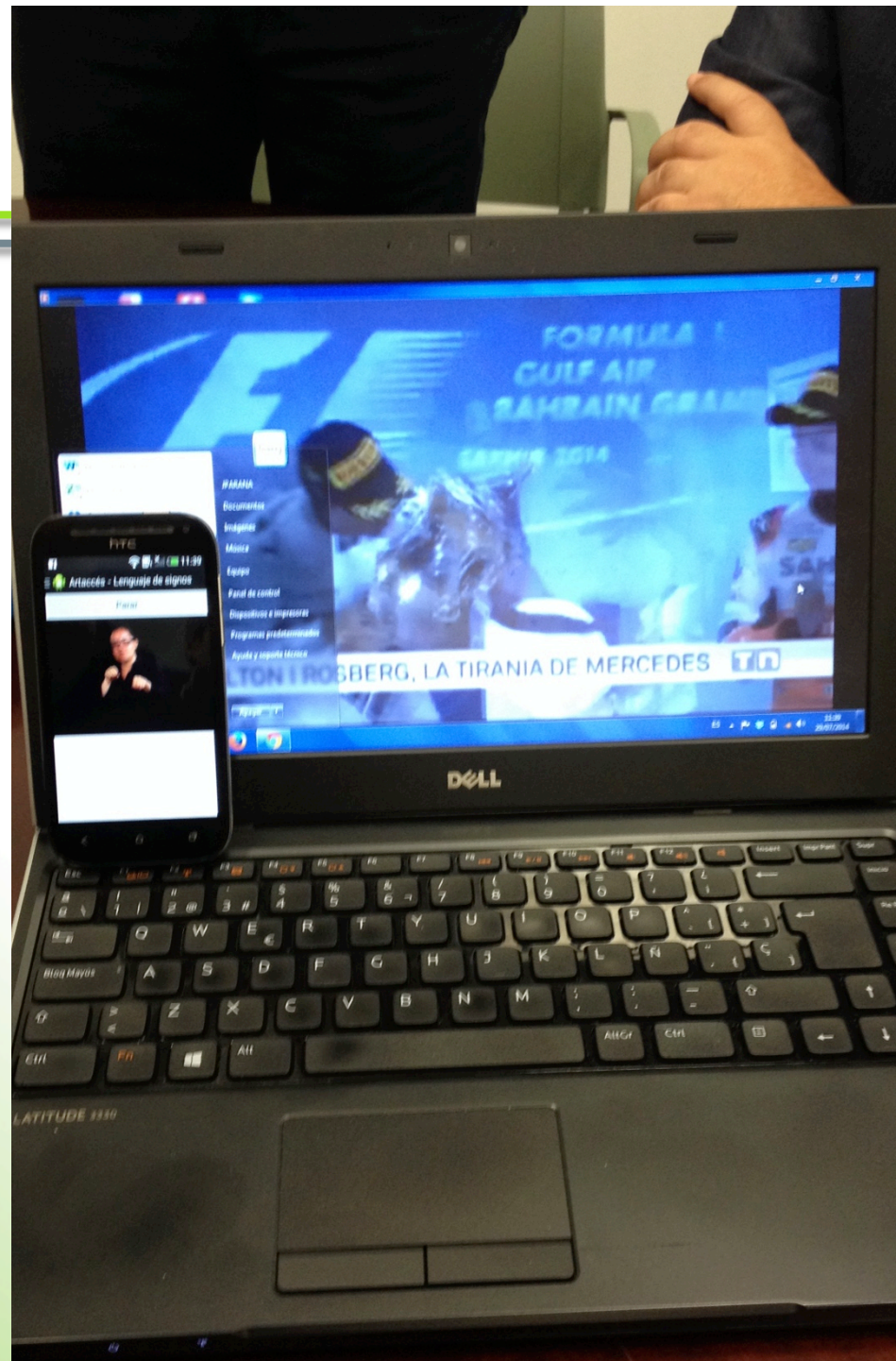
Pilots & their relationship





Multilanguage/simultaneous





HBB4ALL year 1

