

Connected TV Accessibility

Pilar Orero 20 March 2015



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The programme is made in the traditional way. The programme is turned into a piece of linear media. This is broadcast to everyone.

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





OBJECT BASED BROADCASTING







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



The device inside re-assembles the media objects according to the metadata.



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.





Access Services



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

Pilots & their relationship



Pilot A: Multi-platform Subtitle Services

- Subtitles tailored to the specific needs of the end-users in terms of channels, platforms and consumption requirements.
- ★HbbTV-based news service allowing users to access live content automatically subtitled and translated to multiple languages.



- ★Transmitting additional language streams with HbbTV 2.0.
- Personalized Clean Audio service via IP to enhance the dialogue intelligibility.
- Automatically generated speech synthesis of audio description and spoken subtitles.



Common technical components

Pilot C: Automatic User Interface Adaptation

- Web-based service that would allow the personalisation and adaptation of user interfaces for people with specific needs.
- ★Different ConnectedTV services running on HbbTV 1.5 and HBBTV 2.0 platforms targeting elderly people as their main user group.

Pilot D: Sign Language Translation Service

- *Hbb/IP TV-based SL services allowing users to customise the size and positioning of sign language interpretation in an overlaid window.
- ★An HbbTV-based avatar signing service in Spanish.









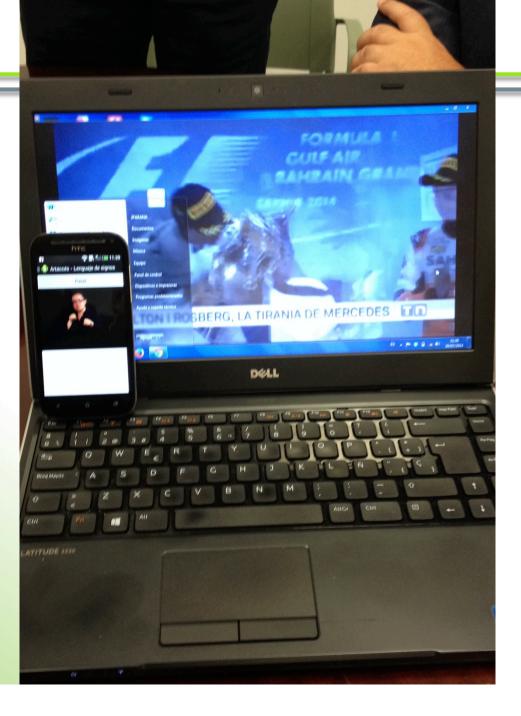












HBB4ALL year 1



