















HBB4ALL: Media Accessibility for HBBTV

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<http://www.hbb4all.eu>

List of partners	
 Universitat Autònoma de Barcelona, Spain (Coordinator)	 vsonix GmbH, Germany
 Rundfunk Berlin-Brandenburg, Germany	 Fundación Centro de Tecnologías de Interacción Visual y Comunicaciones, Spain
 Institut für Rundfunktechnik GmbH	 Screen Subtitling Systems Ltd, UK
 Rádio e Televisão de Portugal SA, Portugal	 Holken Consultants & Partners, France
 Televisió de Catalunya SA, Spain	 People's Playground BV, Netherlands
 Schweizerische Teletext AG, Switzerland	 Universidad Politécnica de Madrid, Spain

Project duration: December 2013 — November 2016

Summary

HBB4ALL builds on HbbTV, as the major European standard, for converged services and looks at both the production and service sides. HbbTV 1.x devices are widely available in the market while HbbTV version 2.0 is currently under development. HbbTV provides a straight-forward specification on how to combine broadcast and broadband content plus interactive applications. TV content can be enhanced with additional synchronised services in a personalised manner. For access services this opens an entirely new opportunity for users who may choose an access service delivered via their IP connection which then seamlessly integrates with the regular broadcast programme.

The project will test access services in various pilot implementations and gather user feedback to assess the acceptance and the achievable quality of service in the various delivery scenarios (broadcasting, hybrid, full IP): (A) Multi-platform subtitle services, (B) alternative audio production and distribution, (C) automatic user interface adaptation, and (D) sign-language translation service.

Pilot A will make available advanced HbbTV automatic multilingual subtitling functionalities, building up on technology currently under development in the European SME-DCL SAVAS AND CIP-PSP SUMAT projects. More specifically, it will test and HbbTV-based news service allowing users to access live content automatically subtitled and translated to multiple languages. Complementary user experience testing of different end user related aspects of subtitling in the hybrid world involving users from the target groups will deliver metrics for Quality of Service.