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**EasyTV: Easing the access of Europeans with disabilities to converging media and content.**

## **D7.5 Final Report on Dissemination Activities**

### **EasyTV Project**

*H2020. ICT-19-2017 Media and content convergence. – IA Innovation action.*

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3	Centre for Research and Technology Hellas/Information Technologies Institute	CERTH	GR
4	Mediavoice SRL	MV	IT
5	Universitat Autònoma Barcelona	UAB	ES
6	Corporació Catalana de Mitjans Audiovisuals SA	CCMA	ES
7	ARX.NET SA	ARX	GR
8	Fundación Confederación Nacional Sordos España para la supresión de barreras de comunicación	FCNSE	ES

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# Executive Summary

In this document, we present the dissemination activities performed during the final 18 months of the project (i.e. end of project) based on the Internal Dissemination Plan of the EasyTV project and building upon the D7.3 “Initial Report on Dissemination Activities”. Furthermore, an overview of the overall dissemination strategy that was applied in the project is also presented. Finally, an evaluation of the final dissemination activities of the project is performed, as well as an assessment of whether the goals of EasyTV have been reached. To this end, this document aims to clearly define:

- dissemination objectives,
- target audiences,
- dissemination channels,
- planned activities,
- targeted journals/conferences,
- dissemination activities from M16 until the end of the project and
- evaluation metrics/indices.

The dissemination activities presented in this document are used by the EasyTV consortium as the basis for evaluation of the dissemination of the EasyTV project to interested parties and the general public during the final 18 months of the project.

# **1. INTRODUCTION**

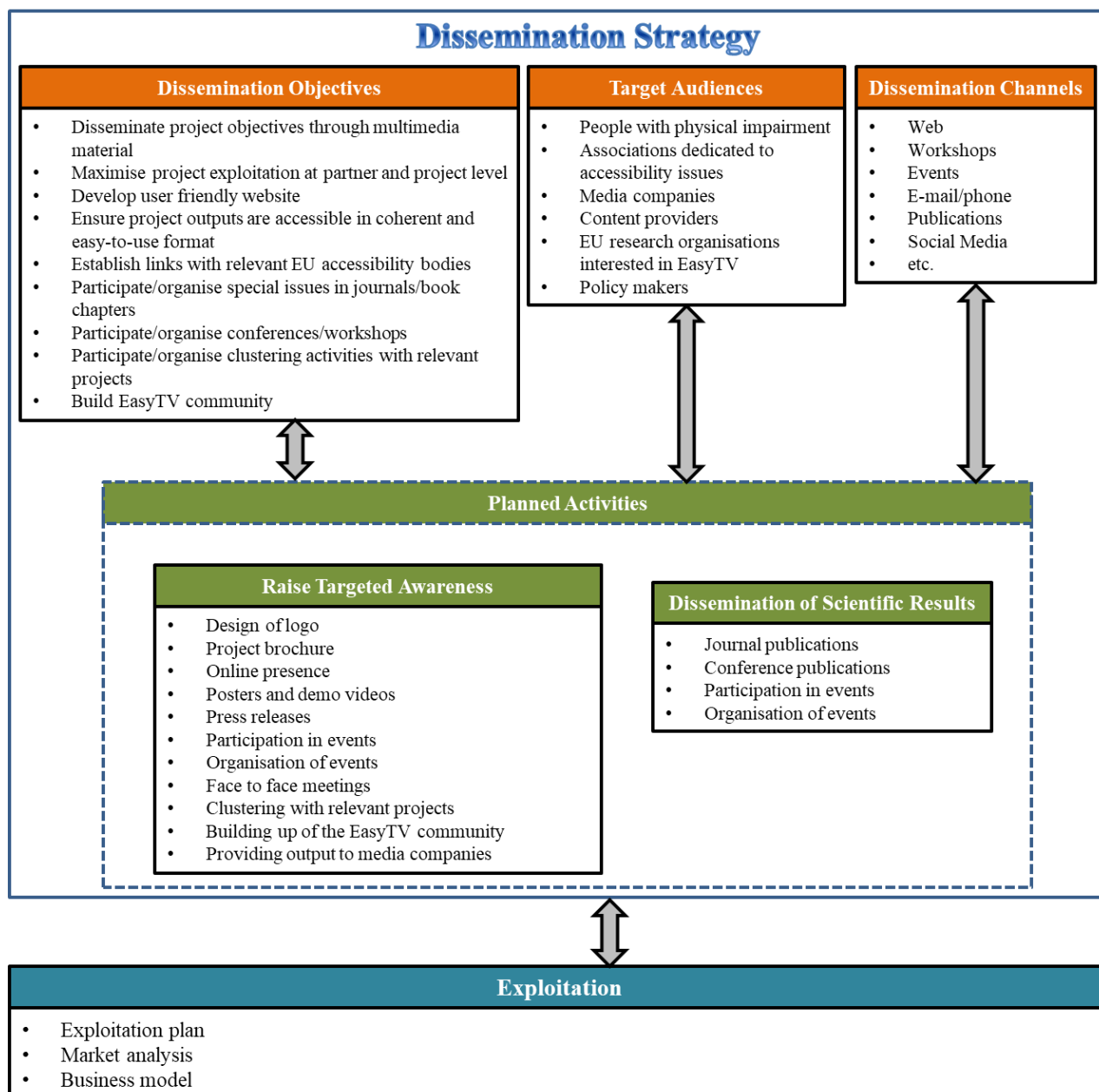
To ensure the effective dissemination of the project information, a specific work package, WP7 “Dissemination and Exploitation”, has been included in EasyTV Description of Work. To this end, an internal dissemination plan was formulated by the EasyTV consortium that analyses in detail the elements of the dissemination strategy proposed to best disseminate this project.

Specifically, an overview of the internal dissemination plan designed to ensure that EasyTV objectives and results are effectively disseminated to the widest audience possible and especially to potential stakeholders and the scientific community is presented. This plan set the basis for the dissemination activities that were performed in the entire duration of the project. The dissemination activities performed in the framework of the project are presented in the previous deliverable D7.3 “Initial Report on Dissemination Activities”, as well as the current deliverable D7.5 “Final Report on Dissemination Activities”.

This document presents in detail the final dissemination activities of the EasyTV consortium in their efforts to disseminate the results of the project on potential stakeholders, researchers, deaf and blind associations and the general public. More specifically, this document begins with a brief presentation of the dissemination strategy as formulated in the Internal Dissemination Plan. Afterwards, all dissemination activities starting from M16 until the end of the project) are presented in detail. These activities are then evaluated in order to assess whether the goals of the dissemination plan were achieved in the end of the project.

## 2. DISSEMINATION STRATEGY AND PLAN

The EasyTV dissemination strategy and plan was formulated in the first months of the EasyTV project with the goal to provide third parties outside the consortium with information relevant to the project to increase interest from stakeholders as well as to support the exploitability of the EasyTV system. The communication and dissemination plan was created well in advance in order to maximise its benefits and it considers the necessary elements for developing an efficient dissemination strategy: establishing objectives, identifying stakeholders, users and potential investors/buyers, selecting channels and planning activities.



**Figure 2-1: Dissemination strategy and planned activities**

More specifically, for an effective and efficient dissemination strategy and plan the following main objectives of the EasyTV project were considered:

- The provision of innovative and improved access services for enhanced multimedia visual and sound experience for people with disabilities by allowing image adaptation (contrast/edge enhancement, colour highlighting, etc.) and improved content description (narratives adapted to different play pace, cleaner audio, voice presentation of information, etc.).

- The offer of improved personalisation of the content experiencing and interaction, towards a hyper-personalised experience to all. User profiles together with context information (application, device, content) allow suggested assistive technologies and automatic user interface personalisation and adaptations to be implemented.
- The development of novel technologies to break the sign language barrier by performing sign language translation in different languages through a multilingual ontology that map signs to ontology concepts, more realistic sign language avatar animation and improved gesture/gaze recognition to control the TV set and TV applications.
- The implementation of a technical platform (running either on a cloud environment or at a content broadcaster's premise) that is able to integrate different services (even those developed by third-parties via the EasyTV service development toolkit) and aims at allowing users with disabilities to access contents in a simple and intuitive manner via different terminals.
- The validation of the resulting EasyTV technologies using a user-centred design approach, thus ensuring that the design of any development, improvement or adaptation is based upon an explicit understanding of users, tasks and environments.

Based on the above main project objectives, the following concrete objectives of the EasyTV dissemination strategy were defined:

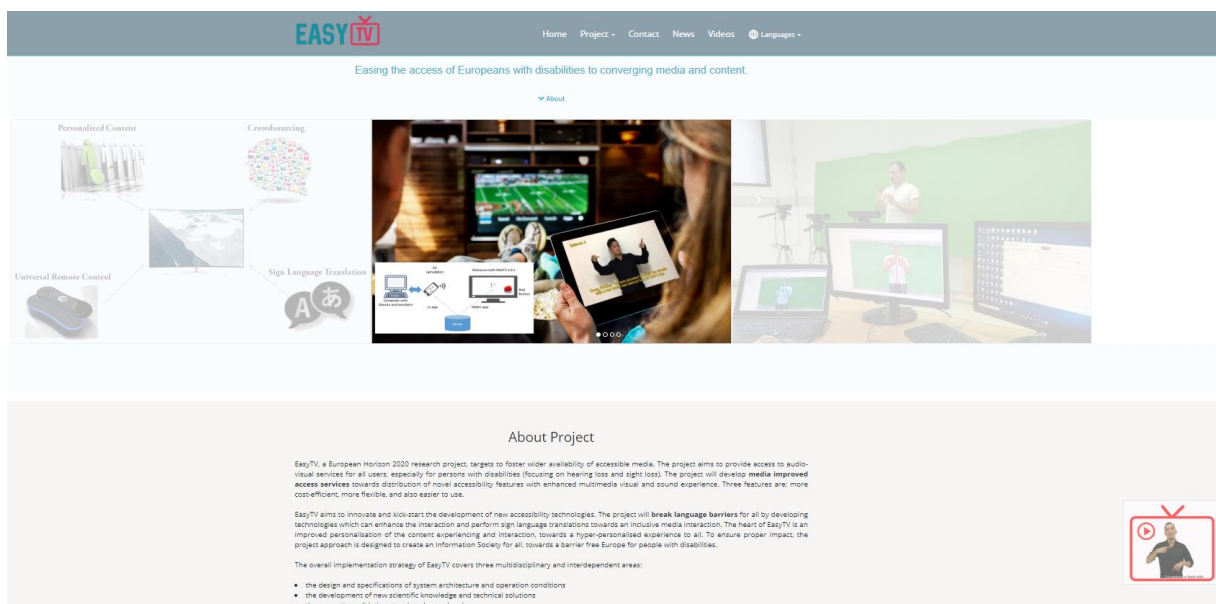
- To reach wide dissemination of project objectives, outputs and outcomes through effective and multimedia dissemination material in order to make the knowledge generated by the project available to the widest possible audience.
- To maximise the project exploitation at the level of each partner and of the project partnership as a whole, in order to support the development of their own activities, and to possibly enable the launch of new activities.
- To develop an interactive and user friendly website to inform the general public and all stakeholders about EasyTV.
- To ensure that all tangible project outputs are accessible in a coherent, attractive and easy-to-use format.
- To establish good links with relevant European accessibility bodies, such as technical standard agencies, broadcasters, regulators and manufactures in order to assist in the development of enhanced access services and offer EasyTV results towards standardisation.
- To participate in and/or organise special issues in journals as well as books and/or book chapters on issues related to ICT-based media and content coverage for people with disabilities.
- To participate in and/or organise special sessions, conferences, workshops to inform the scientific community about EasyTV, its goals and achievements and to gather valuable information on the same issues.
- To participate in and/or organise networking and clustering activities with relevant National and EU projects and stakeholders that are active in the areas of ICT-based technologies in the media industry for people with disabilities.
- To build an EasyTV community by establishing active groups of sign language experts and initiating dialog between the developers and the users of the EasyTV system so as to ensure the widest possible dissemination and acceptance of the system by its users and create strong impact.

### 3. DISSEMINATION ACTIVITIES FOR THE FINAL 18 MONTHS

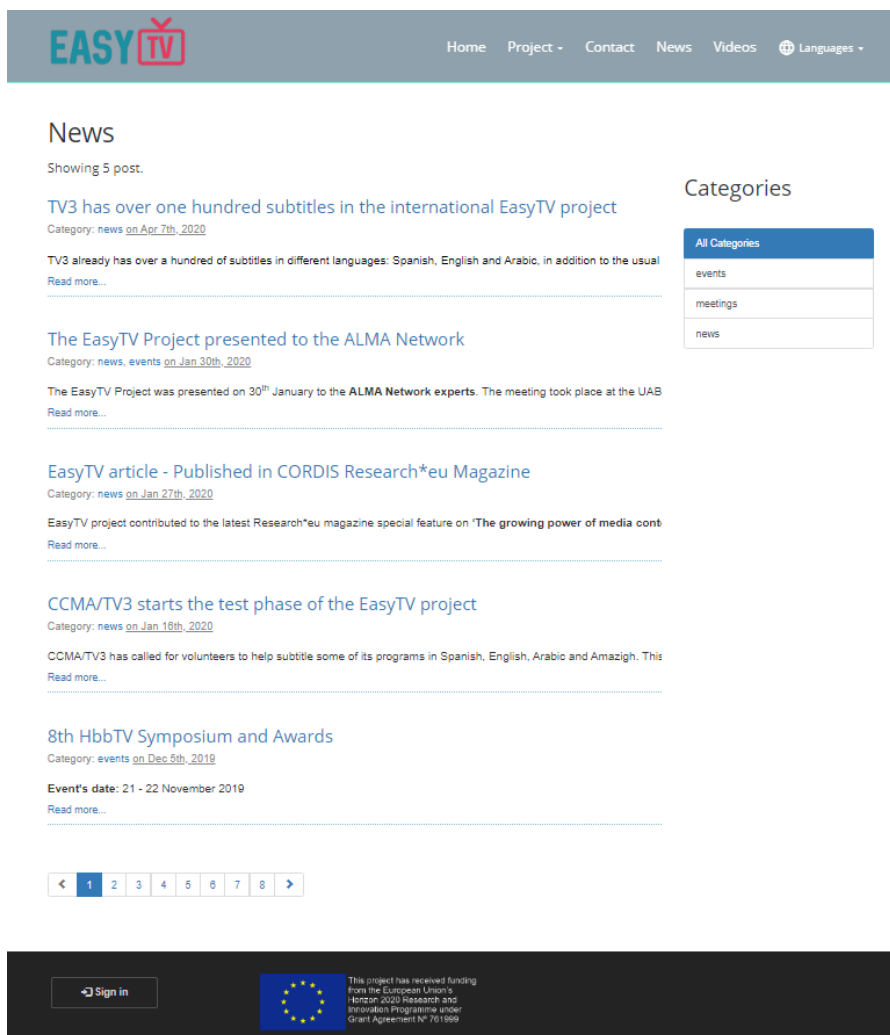
In this section, we present information and photos from all activities performed by the partners of the EasyTV consortium towards disseminating the results in the final 18 months of the project. More specifically, these activities include:

#### 3.1. Project website

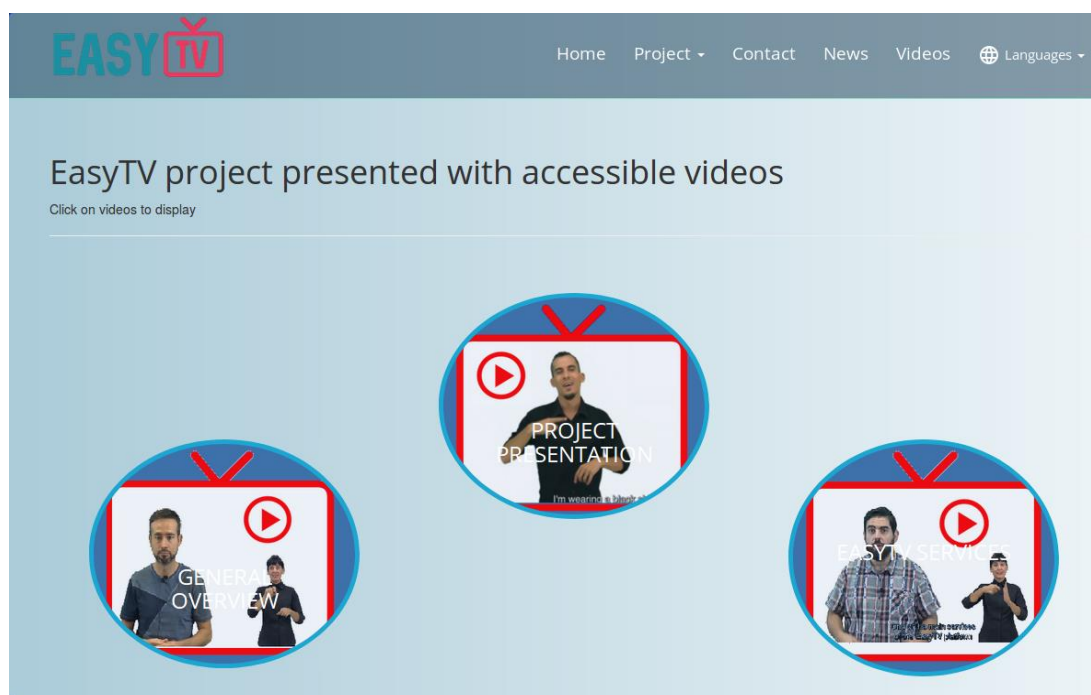
The project website can be found in [1] and is a portal, where any interested party can find information about the EasyTV project and contact with the EasyTV consortium. The project website is updated with new material, such as publications, participation and organisation of events and videos in a regular basis. The content of the website is available in 5 different languages (i.e. English, Greek, Catalan, Spanish and Italian), thus enabling the results of the EasyTV project to reach a wider audience. The project website consists the most significant medium for the dissemination of the results of the EasyTV project. A few screenshots of the EasyTV website are shown below:



**Figure 3-1: The Home page of the EasyTV website with images describing the work done in the context of the project**



**Figure 3-2: The News page of the EasyTV website describes all events and meeting of the EasyTV partners**



**Figure 3-3: The Videos page of the EasyTV website contains accessible videos that describe the project**

### 3.2. Project brochure and poster

The project brochure was created based on the contributions of all EasyTV partners and describes the methodology, goals and system architecture of the EasyTV project. The brochure was distributed by the EasyTV partners in all events where the project was presented. The brochure aims to further disseminate the importance and goals of the EasyTV project to all interested parties. The following images present the EasyTV brochure.

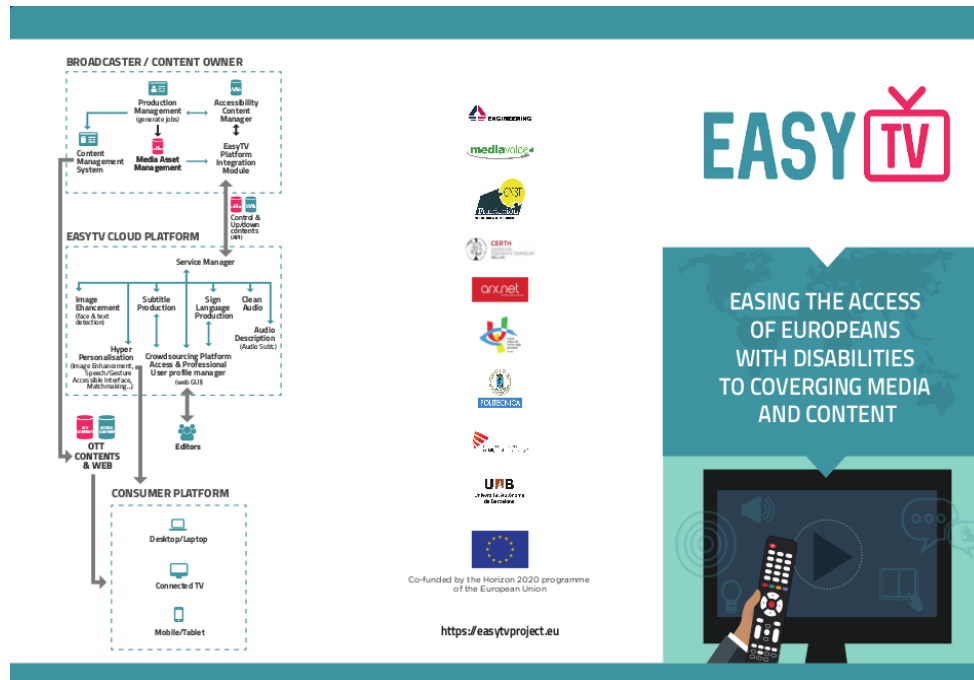


Figure 3-4: The first page of the EasyTV brochure presents the system architecture

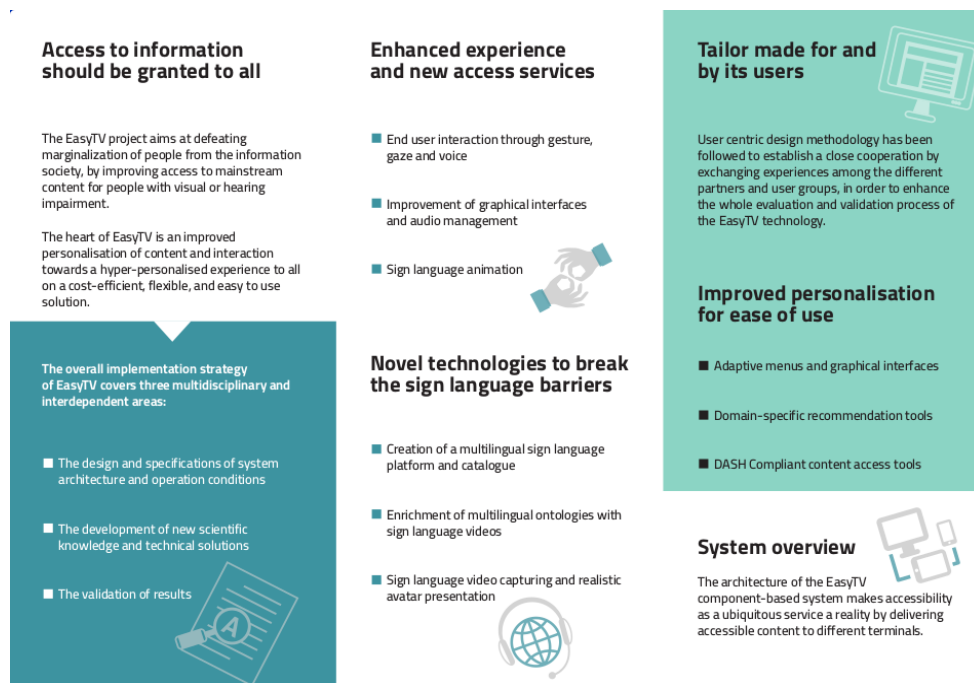


Figure 3-5: The second page of the EasyTV brochure presents goals and services

Additionally, a poster describing the main objectives and architecture of the EasyTV project was created and presented in the kick-off meeting of the project in Madrid, Spain on October 10-11<sup>th</sup> 2017. The poster is presented in Figure 3-6.



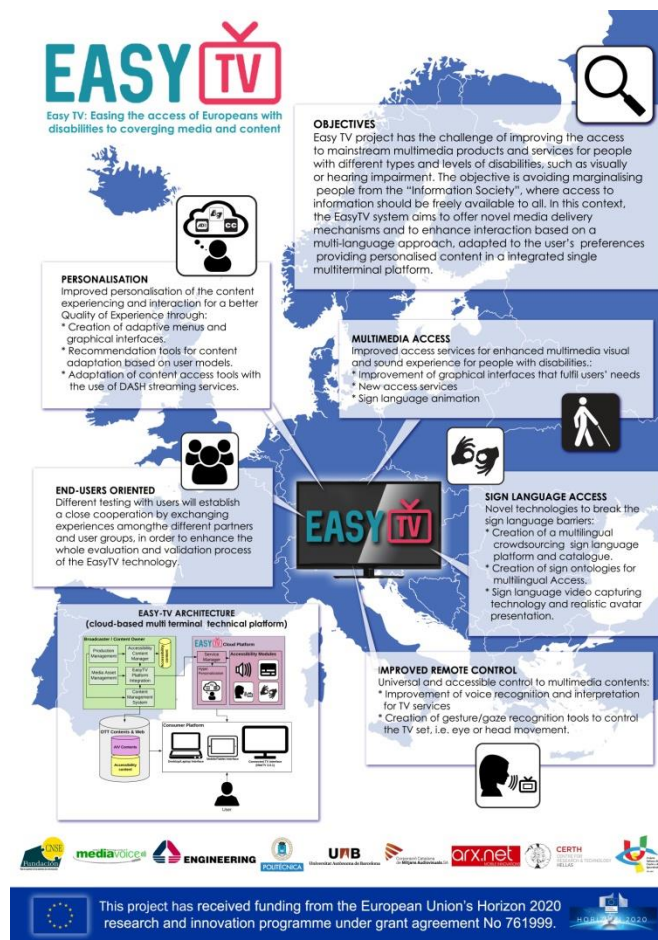


Figure 3-6: Poster of the EasyTV project presented in the kick-off meeting of the project

### 3.3. Online videos

Several accessible videos have been created by the EasyTV partners in the framework of the project in order to present the objectives, services and results of the EasyTV project. These videos can be split in two main categories:

- **General videos:** These videos describe the EasyTV objectives, general methodology and services that were developed in the context of the project. These videos are made accessible (i.e. signed) so as blind and deaf associations can become acquainted with the EasyTV project. These videos are publicly available on the Videos page of the EasyTV website [2]. A few screenshots from these videos are shown in Figure 3-7.





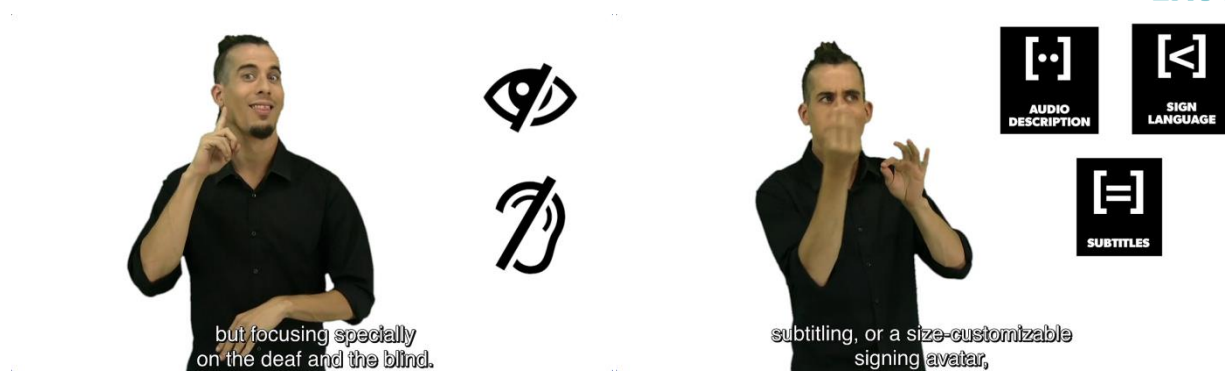


Figure 3-7: Screenshots from the general accessible videos located in the project website

- Final tests videos:** These demo videos were created in order to describe the final versions of the EasyTV modules or services that were developed during the project. The purpose of these videos was to be employed for the final testing by blind and deaf associations as far as the usability of the services is concerned. Furthermore, these videos were used for dissemination purposes in order to enhance the visibility and impact of the EasyTV project. A few screenshots from these videos are shown in Figure 3-8.

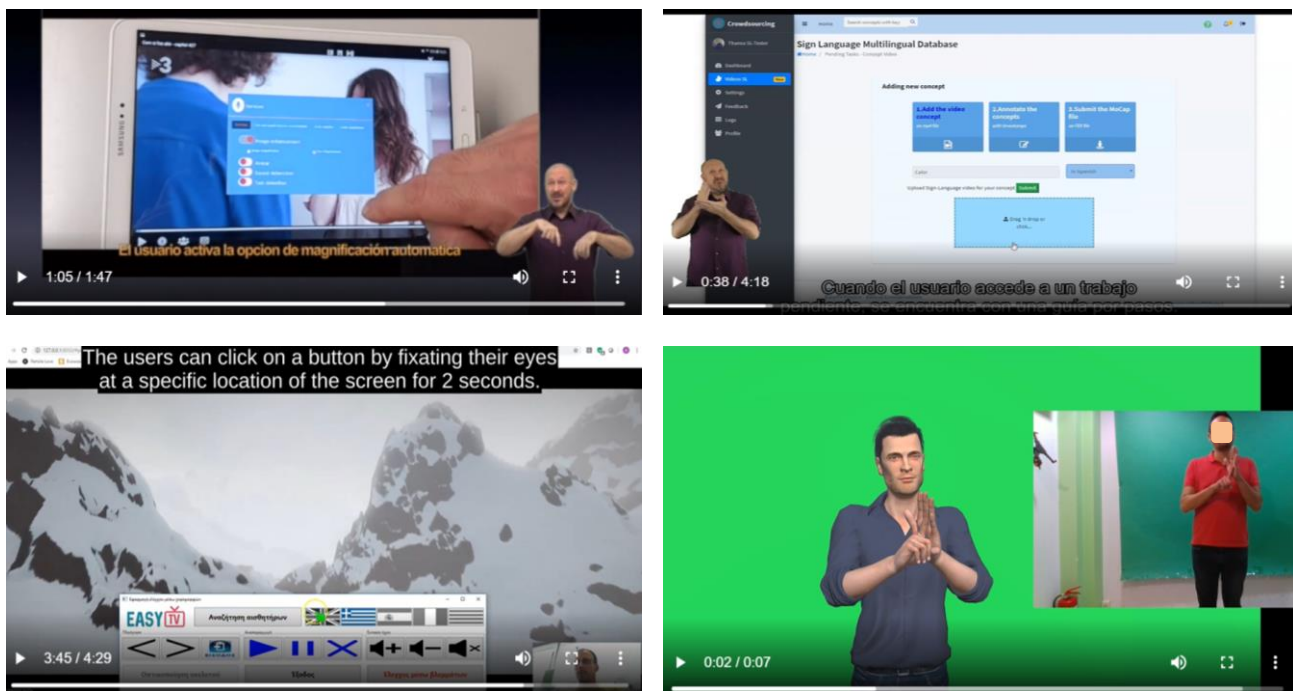


Figure 3-8: Screenshots from the demo videos used during the final testing of the EasyTV services

### 3.4. Press Releases

To further disseminate the EasyTV project and its results, the partners of the EasyTV consortium made several press releases, as well as media sharing activities. More specifically, the following activities took place:

- EasyTV published in CORDIS Research\*eu Magazine (January 37<sup>th</sup>, 2020):** The EasyTV project contributed to the latest Research\*eu magazine special feature on 'The growing power of media content convergence'. The published article stressed out the need for the services developed in the EasyTV project, as well as the importance of such projects and it can be found in [3].

### Helping Europeans with disabilities access media content more easily

To facilitate a more inclusive society, a project is developing a multimedia platform that gives people with visual or hearing disabilities better access to audiovisual information.



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There are currently 80 million people with disabilities living in Europe. There are also an estimated 81.5 million adults suffering from hearing loss in Europe, meaning that one in seven adults will be affected by a hearing problem. Furthermore, according to the World Blind Union, 23.5 % of the EU population has visual issues. Considering Europe's ageing population, these figures will only increase. In fact, by 2020, it is estimated that 120 million people in the EU will have multiple and/or minor disabilities.

All these numbers add up to a clear (and growing) demand for accessible products and services – such as the multimedia audiovisual platform being developed by the EASYTV (Easing the access of Europeans with disabilities to converging media and content) project. To learn more, we talked with Federico Álvarez, EASYTV project coordinator.

**Figure 3-9: Article about EasyTV in the Research\*eu Magazine**

- 2) CCMA/TV3 starts the test phase of the Subtitle Production service of the EasyTV project (January 16th, 2020): CCMA/TV3 has called for volunteers to help subtitle some of its programs in Spanish, English, Arabic and Amazigh. This is a pilot test that was carried out over the next months and is part of the EasyTV initiative. The aim is to check the tools that in the future, will improve the access of different cultures audiences to Catalan television. The participants did not have to directly translate the content, but rather their task was to collaborate on the correction of texts generated by an automatic translator through an online platform. A public call for volunteers was made in Twitter [4], while a relevant press reference was made in [5].



**Figure 3-10: Public call for volunteers in the Subtitle production service of EasyTV**

- 3) Multilingual subtitling pilot press release (April 7th, 2020): TV3 already has over a hundred of subtitles in different languages: Spanish, English and Arabic, in addition to the usual Catalan, that are available on-demand as a result of the EasyTV project pilot [6]. Programs with multi-language subtitles can be viewed on demand, on the TV3's website and Tv3alacarta HbbTV red button application. The provision of high-quality multi-lingual subtitles for television content is considered especially useful at this time, because of the coronavirus crisis. The experience will serve CCMA to check the technological tools available that can help improve the access to

deaf users of different cultures to Catalan. At the end of the trial, the CCMA and the other partners participating in the EasyTV project will evaluate the results. If the experience gained and the technologies used were viable, they would be able to study the incorporation of multi-language subtitling into TV3 on a regular basis in the future. To achieve its goals, CCMA promoted its service on social networks at three layers: corporation [7], TV channel [8] and program [9].



Figure 3-11: Multilingual subtitling pilot press release

- 4) White paper about the EasyTV project on “Digital Media & Communication” (June 2020): ENG published a white paper on “Digital Media & Communication” sector, in which they disseminate the EasyTV project. The white paper can be accessed in [10].

- **CPN Project, focused on the development of recommendation systems for personalised content use** through a platform based on micro-services architecture and fully open source components. Characterised by ease of use and configuration, the platform facilitates the management of the communication of the components included in the toolbox and the functionality of customer applications (via the API Gateway). It also offers a web interface for the administration, monitoring and management of resources. The project also includes solutions based on smart contracts and Blockchain, which are currently still under development and implementation, **to facilitate the management of media authenticity and intellectual property.**
- **5G Media Project** is focused on the ability to create different applications between **5G networks and the media**, for the production and distribution of content, as well as game development and virtual reality.
- **Easy TV Project**, which aims to facilitate access to multimedia services for individuals with disabilities, offering new fruition mechanisms, as well as improving interaction based on a multi-lingual approach, adapting it to the preferences of visually or hearing impaired users and providing personalised content as part of a single, multi-terminal platform.
- **Fandango Project** is focused on the development of new Big Data and Artificial Intelligence applications to support the fight against disinformation, fake news and deep fakes, thus supporting the validation of digital content and news.

Figure 3-12: White paper about the EasyTV project on “Digital Media & Communication”

- 5) Article about the EasyTV project in Revista Faro (January-April 2019, n. 265, pp. 44-45): FCNSE published an article in Revista Faro, presenting the EasyTV project and its services that aim to improve the accessibility of people with disabilities to media content [11].





**Figure 3-13: Article in Revista Faro n.265 about EasyTV**

- 6) Article about the EasyTV project in Revista Faro (May-August 2019, n. 266, pp. 36): FCNSE published an article in Revista Faro, describing the platforms developed in the EasyTV project and presented at the XVIII World Congress of the WFD [12].



**Figure 3-14: Article in Revista Faro n.266 about EasyTV**

- 7) FCNSE performed several activities to spread the EasyTV results in the CNSE official Facebook page and Twitter accounts (Dates 2019: March 7, July 23, July 25, November 13, Dates and 2020 May 15. Moreover, a video report about the participation of CNSE Foundation in the EasyTV project [13] was developed in mid-June 2020 for dissemination purposed in social media.
- 8) 2018 Annual Report of the CNSE Foundation: FCNSE presented the EasyTV project and its involvement to the project during the 2018 Annual Report of FCNSE [14].

**EasyTV**

Easy TV (easing the access of Europeans with Disabilities to converging media and content) es un proyecto financiado por la Comisión Europea dentro de la convocatoria Horizon 2020, coordinado por la Universidad Politécnica de Madrid y en el que participa activamente la Fundación CNSE.

Su objetivo es facilitar el acceso a los servicios multimedia y mejorar la interacción con el usuario a partir de un enfoque multilingüe, se da un paso más y se pretende adaptarlos a las preferencias del usuario, proporcionando contenidos personalizados en una plataforma multiterminal única e integrada. Su duración es de tres años y cuenta con la colaboración de universidades, corporaciones y empresas de España, Italia y Grecia

<https://easytvproject.eu/>

**Figure 3-15: Mention of EasyTV in the annual report of FCNSE 2018**

- 9) 2019 Annual Report of the CNSE Foundation: FCNSE further disseminated the EasyTV project and its results during the 2019 Annual Report of the FCNSE, which is currently in press.
- 10) EasyTV on UICI newsletter 2019: In March 2019, UICI published on its newsletter (uicromainforma) an article on the EasyTV project, disseminating its results to all 781 members of UICI Roma. Furthermore, through their newsletter, UICI recruited testers for the intermediate evaluation of the EasyTV services and spread EasyTV intermediate results.
- 11) EasyTV on UICI newsletter 2020: In January-May 2020, UICI published on its newsletter (uicromainforma) an article on the EasyTV project, disseminating its results to all 781 members of UICI Roma. Furthermore, through their newsletter, UICI recruited testers for the final evaluation of the EasyTV services and spread EasyTV final results.
- 12) EasyTV on UICI website: In March-May 2020, there were periodical publications on the official website of UICI [15] about the EasyTV project, asking for testers of the EasyTV services and spreading the final evaluation results of the EasyTV services.

### 3.5. Organisation of events

#### 3.5.1. AGENT workshop in PETRA conference (June 30th-July 3rd, 2020, Virtual Conference)

The 2nd International Workshop on Multimodal SiGnal Sensing/Analysis, Innovative Interactive Environments and Personalized Behavioral Modeling for Improving Quality-of-Life (AGENT) will be organized during the PETRA conference [16]. This workshop is dedicated to studies, applications, algorithms and new methodologies in the multidisciplinary field of unobtrusive assistive environments that can improve the quality of daily living. This workshop aims to attract an interdisciplinary group of researchers who are involved in research related to early detection, assessment and monitoring of human health, habits and behavior. The workshop focuses on novel technologies that are applied on real or virtual environments and aims to enhance the quality of daily living, especially for people with disabilities or patients suffering from chronic conditions. The researchers present their work and receive feedback from their peers. As part of the larger theme of the PETRA conference, the participants also have the opportunity to interact with top scientists working with pervasive assistive technologies to exchange valuable ideas that could advance the state-of-the-art in the field. CERTH organizes the AGENT workshop in order to further disseminate the results of the EasyTV project, among other projects and presents a paper titled "Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference".



Figure 3-16: CERTH organizes the AGENT workshop to disseminate the EasyTV project

### 3.5.2. 9th Global Accessibility Awareness Day (GAAD) (May 21st, 2020, Online)

Global Accessibility Awareness Day is an event that takes place every year all around the world and aims at raising awareness about the importance of digital accessibility for a more inclusive society. The 9th Annual Global Accessibility Awareness Day took place as scheduled on the third Thursday of May, May 21st, 2020 [17]. This was TransMedia Catalonia's third year of participation in this international initiative. To celebrate GAAD in previous years, TransMedia Catalonia opened the doors of its lab to the public to allow them to test a range of assistive technologies. Due to the exceptional circumstances brought about this year by COVID-19, the research group have contributed to GAAD online in the form of accessible videos via the TransMedia Catalonia YouTube channel and a series of Twitter polls in which questions regarding accessibility in audiovisual media were directed to the public, the results of which can be viewed on the TransMedia Catalonia Twitter page. UAB presented the European funded projects EASIT, IMPACT, TRACTION, HELIOS, SO-CLOSE, LTA, REBUILD, EasyTV and ImAc, along with the RAD state project on audio description and the ALMA research network which brings together different research groups working on accessibility.



Figure 3-17: Logo of the TransMedia Catalonia's participation at the GAAD event, where UAD presented the EasyTV project

### 3.5.3. ALMA network experts (January 30th, 2020, Barcelona, Spain)

The ALMA network experts [18] specialises in the research of accessibility and minority languages, and it includes both academic researchers and industry experts, all from Spain. Each participant presents the technologies or projects they are developing. After each presentation, a small discussion takes place among the attendants to gather feedback. The meeting took place at the UAB campus in Barcelona, Spain. CCMA participated in this meeting and presented the EasyTV crowdsourcing platform.





Figure 3-18: EasyTV presented at the ALMA network experts

#### 3.5.4. Barcelona Sc13nc3 Fest 2019 (October 26th-27th, 2019, Barcelona, Spain)

Every year Barcelona organizes an encounter with science, technology, knowledge and culture. The Thirteenth Science Festival [19] offers around 200 activities in 24 venues to find out about the research conducted in Barcelona and its area of influence. The activities bring all topics of scientific research within everyone's grasp and some of them do so within the framework of three famous personalities and events that have transformed society: the 500th anniversary of Leonardo da Vinci's death, 150 years since Dmitri Mendeléiev published the periodic table of chemical elements and 50 years since mankind reached the Moon.

This festival is for people of all ages, from young children under 6, boys and girls, to teenagers, families and adults with a new area of workshops and demonstrations for people aged 16 and up. Professionals from more than 150 organisations will tell you about their research and discoveries through many different formats in which science and technology often come together with games, the visual arts and shows. The Thirteenth Science festival is increasing its commitment to digital content and reducing the event's environmental impact. UAB participated in this event and organized a space "If you could not see" where all their H2020 projects were presented, including EasyTV, represented by Irene Tor Carroggio, Daniel Segura and Pilar Orero.



Figure 3-19: UAB presents EasyTV at the Barcelona Sc13nc3 Fest 2019

#### 3.5.5. H2020 Accessibility Cluster Workshop (February 5th, 2019, Brussels, Belgium)

The coordinators of the ImAc, EasyTV (UPM), Content4ALL and SIGN-HUB projects organised the workshop "Beyond Media and Convergence accessibility cluster: a European perspective on

accessibility” in the frame of Accessibility Cluster as part of the Media Convergence and Social Media Concentration Meeting organized by the European Commission [20]. This workshop aimed to present each project goals, their current achievements and future developments through demos, videos, posters and space for interaction. The workshop continued with a private session reserved to the members of the four projects to explore interactions and synergies among the different projects. This event was expected to facilitate networking and interaction among the projects coordinators and selected distinguished stakeholders, among others Policy Makers, User Organization representatives, European Commission representatives. The event was chaired by Alejandro Moledo, Head of Policy at the European Disability Forum (EDF).



Figure 3-20: EasyTV presents its services on the H2020 Accessibility Cluster Workshop

### 3.5.6. Annual Meeting of the territorial section of U.I.C.I. Roma (April 26th, 2019, Rome, Italy)

On April 26th 2019, the Annual Meeting of the territorial section of U.I.C.I. Roma took place. MV and UICI participated in this meeting and presented the EasyTV project and the first prototype of the Speech Platform Interface developed by MV in the framework of the project.



Figure 3-21: EasyTV presented at Annual Meeting of the territorial section of U.I.C.I. Roma

## 3.6. Participation in events

### 3.6.1. Computer Vision and Pattern Recognition (CVPR) conference (June 14th-19th, 2020, Virtual conference)

The CVPR conference is one of the most prestigious conferences in the world, in which innovative research papers are published and disseminated to interested parties. In 2020, Google research had 76 accepted papers and 29 accepted workshops and tutorials in the CVPR conference. CVPR



2020 also accepted a paper from CERTH, with acknowledgment on EasyTV, called “Cross-Modal Variational Alignment of Latent Spaces”, in which CERTH describes a novel algorithm for the extraction of 3D hand skeletal joints from images, achieving state-of-the-art results in well-known hand pose estimation datasets. This algorithm is used to achieve more realistic sign language representation using the 3D avatar.



Figure 3-22: EasyTV published at the CVPR 2020 conference

### 3.6.2. AI Move postgraduate program (December 9th-13th, 2019, Paris, France)

The “Artificial Intelligence and Movement in Industries and Creation” (AI Move) [21] is a postgraduate program offered by the Mines ParisTech university with the goal to a) train project managers able to conceive, implement and take over interactive systems or intelligent workspace projects by enhancing the sensorimotor and cognitive capabilities of the user, b) create experts in movement engineering, prepared to take responsibility in the industry, integrating motion capturing, machine learning and movement-based interaction and c) promote interdisciplinary AI engagement. Kosmas Dimitropoulos from CERTH performed class lessons to 12 students of the program, where he presented the EasyTV services developed by CERTH and let the students experiment on developing Gesture Remote Control and Sign Language Capturing modules, similar to those developed in the EasyTV project.

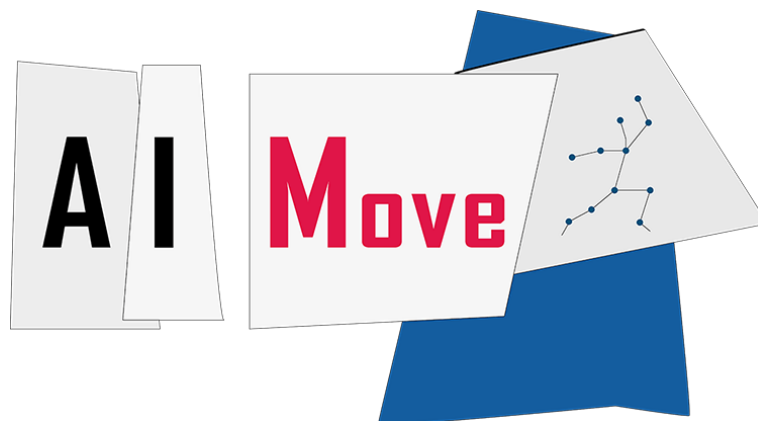


Figure 3-23: EasyTV presented at the AI Move program

### 3.6.3. EBU/UICI TechFair during the 11th EBU General Assembly (November 27th-30th, 2019, Rome, Italy)

UICI and EBU hosted the EBU/UICI TechFair, in conjunction with the 11th EBU General Assembly in 2019 [22] at the Mercure Roma West Hotel with the aim to present the challenges visually

impaired people face in our society, as well as propose emerging technologies for the social inclusion of visually impaired people. MV and CCMA participated in this fair and presented the services developed in the framework of the EasyTV project.



Figure 3-24: EasyTV presented at the EBU/UICI TechFair

#### 3.6.4. 8th HbbTV Symposium and Awards (November 21st-22nd, 2019, Athens, Greece)

The 8th HbbTV Symposium and Awards [23] is an industry meeting and conference with marketers, advertisers, broadcasters, digital platform suppliers, manufacturers, app & service developers and many other further industry stakeholders. This is the biggest event to listen to and discuss with high level speakers all relevant topics in the HbbTV universe, which enhance the user experience in a competitive audio-visual market, offering new and engaging interactive services to the end user. In 2019, it took place at the Megaron International conference center in Athens, Greece and more than 300 professionals participated in it.

During the Symposium, the project manager of the Department of Research and New Services of the CCMA, Francesc Mas, made a presentation titled "New HbbTV Apps & New Trends", in which he discussed present and future projects with the HbbTV technology, in which the CCMA participates, including the EasyTV project and its results. Among the things presented, one can highlight the future HbbTV service with accessibility enhancements that will facilitate the interaction of users with visual impairments thanks to the voice guidance offered while the users navigate through menus, sections and options of the TV3 red button service. In the same way, the new multi-language subtitling authoring and distribution service was also presented, which will allow to offer audiovisual contents accessible not only for people with hearing loss, but also for foreign language people and language learning purposes.





Figure 3-25: EasyTV presented at the 8th HbbTV Symposium and Awards

### 3.6.5. 2019 EBU Access Services Experts Group (October 21st, 2019, Amsterdam, Netherlands)

EasyTV was present at 2019 EBU Access Services Experts Group through Jordi Mata and Jordi Fabregat from CCMA and Pilar Orero from UAB. This group brings together broadcast professionals from access services such as subtitling, signed programmes, audio description and audio subtitling which enable sensory impaired people to access public broadcasters' content all over Europe. The agenda can be found here [24]. This group meets once a year to raise the most important questions during a plenary session which has become, over the years, the meeting point for those working in accessibility services across EBU organizations.



Figure 3-26: EasyTV presented present at 2019 EBU Access Services Experts Group

### 3.6.6. International Conference on Sign Language (September 19th-20th, 2019, Madrid, Spain)

The Center for Linguistic Normalization of Spanish Sign Language (CNLSE), of the Royal Board on Disability, organized the new edition of the CNLSE Congress of Spanish Sign Language to be held between September 19 and 20, 2019 in the Humanities Building of the UNED, with the collaboration of the National University of Distance Education (UNED) and the CNSE and its Foundation. The conference offered a meeting space for the exchange of knowledge, experiences and reflections on Spanish sign language or Catalan sign language, or other sign languages. There was a plenary presentation and several free-topic communications on any subject related to sign languages.

Marta Bosch, Pilar Orero and Olga Soler-Vilageliu from UAB presented results from the EasyTV project at the International Conference on Sign Language organised by the CNLSE on 19th September 2019 in Madrid [25]. The presentation had the title "Recepción de la lengua de signos en TV: Estudio sobre la percepción de pantallas compuestas". Moreover, María Poveda-Villalón, Pablo Calleja-Ibañez, Elena Montiel-Ponsoda and Emilio Ferreiro Lago from UPM and FCNSE

presented their work titled “First steps towards Sign Language semantic annotation” (Spanish: Primeros pasos hacia la anotación semántica para la lengua de signos).



**Figure 3-27: Logo of the International Conference on Sign Language 2019**

### 3.6.7. IBC 2019 Conference (September 12th-17th, 2019, Amsterdam, Netherlands)

CCMA, UPM, MV and CERTH were present in the Future Zone area of IBC 2019 in Amsterdam, presenting the European ImAc and EasyTV accessibility projects co-financed by the European Union through the H2020 program [26]. Jordi Mata, Francesc Mas and Jordi Fabregat, from the Department of Engineering of CCMA, were in charge of showing the progress in these projects. The ImAc project works on the integration of accessibility services into immersive experiences in 360°, attending to the needs of groups with vision, hearing, learning and elderly problems. The EasyTV project, based on the HbbTV hybrid television standard, shows a second screen application that offers accessibility solutions that complement the content of the main screen. You could also see a screen reader for HbbTV applications that allows people with visual difficulties to more easily access the desired content and a multilingual solution to create content such as subtitles or sign language through a collaborative crowdsourcing platform.

CCMA has presented the latest version of its web player on different devices (PC, connected television, smartphones, tablets and virtual glasses HMD) with the different types of presentation and customization developed, such as synchronized content playback between the HbbTV TV and a tablet. At the same time the different professional tools for editing accessibility content have been shown. UPM and MV also attended the conference, disseminating the EasyTV project through demo videos. Furthermore, MV was involved in the coordination, logistics and participation on the Accessibility cluster booth.



**Figure 3-28: EasyTV presented at the IBC 2019 conference**

### 3.6.8. XVIII World Congress of the WFD (July 23rd-27th, 2019, Paris, France)

The World Congress is an official event of World Federation of the Deaf organised by an Ordinary Member. World Congresses are designed to bring together delegates from member national associations, youth organisations and other participants who seek to partake in global exchange of information and furtherance of the WFD vision, mission and goals. This congress was hosted by the WFD Ordinary Member French National Federation of the Deaf (FNSF) [27]. UPM and FCNSE participated in the congress and disseminated the goals and results of the EasyTV project.

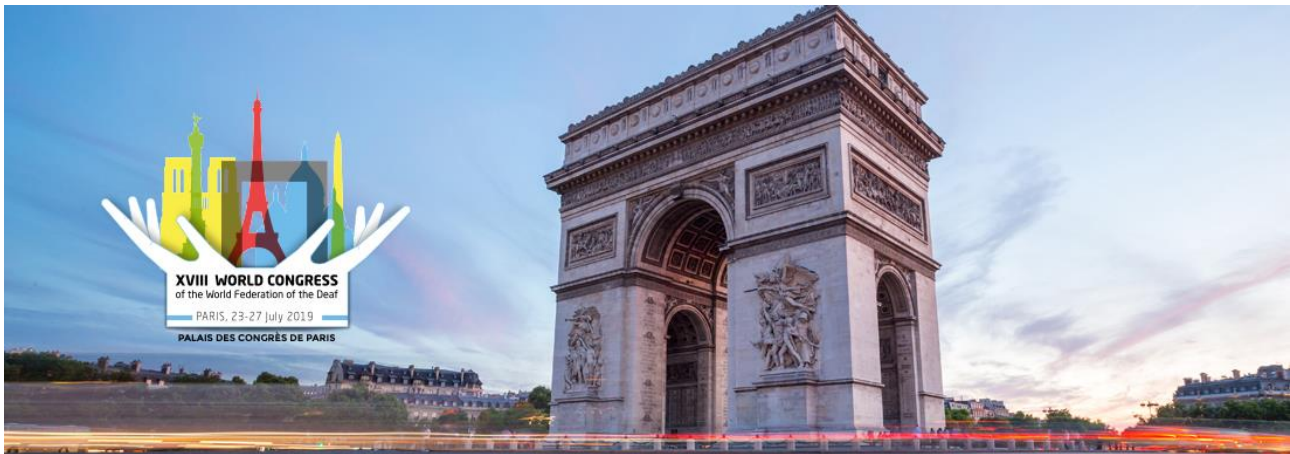


Figure 3-29: Logo of the XVIII World Congress of the WFD

### 3.6.9. ITU workshop on the Future of Television for Europe (June 10th, 2019, Geneva, Switzerland)

The International Telecommunication Union (ITU) encourages a dialogue among stakeholders in the various regions of the world to discuss the future of Television. To this end, following the success of “The Future of Cable TV (Geneva, Switzerland, 25-26 January 2018) and The Future of TV for the Americas (Bogotá, Colombia, 26 November 2018), the ITU held a Workshop on “The Future of Television for Europe”, which took place on 7 June 2019 in Geneva, Switzerland at the ITU Headquarters [28]. This event, which was jointly organized by the three Sectors of the ITU (Radiocommunication: ITU-R; Standardization: ITU-T; and Development: ITU-D), focused on the diverse emerging broadband and broadcast technologies, including cable TV, with the aim to assist countries in the region of Europe to assess challenges, dynamics and opportunities.

This workshop was organized within the context of the European Regional Initiative approved by WTDC-17 on “Broadband Infrastructure, Broadcasting and Spectrum Management”. The event was also supported by the ITU-R SG6 (Broadcasting service) and ITU-T SG9 (Cable broadband and TV), which met in collocation, 6-13 June 2019 (see TSB Collective 4/9). The aim of the workshop was to discuss the future of television in the region with relevant European and international stakeholders, covering regulatory and policy frameworks, emerging and convergent ICT Infrastructures and services, as well as user interfaces and accessibility issues. It also provided an opportunity to discuss TV-related regional and international standardization and to share best practices and case studies on cable TV roll-outs and other new TV services. EasyTV had a booth where the project was shown by Pilar Orero from UAB.

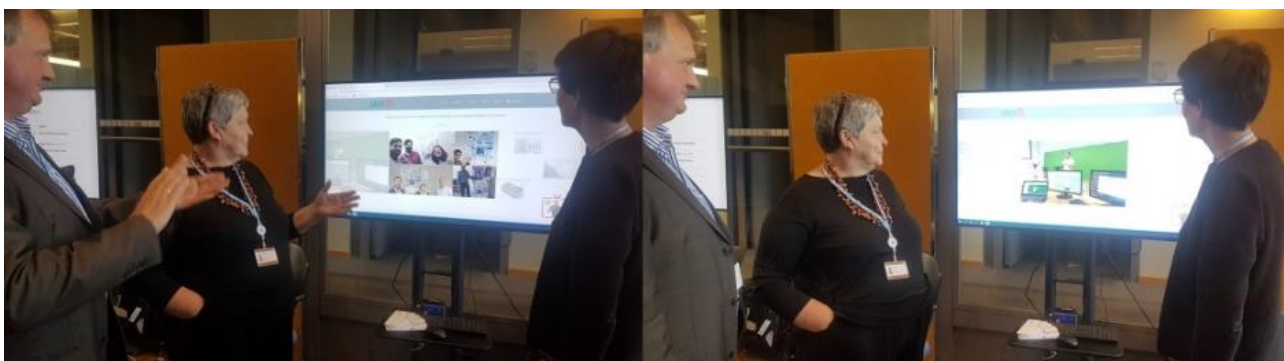


Figure 3-30: UAB presents EasyTV at the ITU The Future of Television for Europe

### 3.6.10. Translating in the 21st century and the challenge of sustainable development (Summer School) (June 7th, 2019, Venice, Italy)

Pilar Orero from UAB participated in a summer school (academic event), which took place in with approximately 100 participants, in which she made a presentation on “An image is worth 1000



words: translating audiovisual media” [29]. In this presentation, she talked about the EasyTV project and its results.



Figure 3-31: Picture from the event (summer school), where UAB talked about EasyTV

### 3.6.11. International Exhibition SightCity (May 8th-10th, 2019, Frankfurt, Germany)

The international exhibition SightCity [30] stands for innovation and profound information concerning visual impairment. On three days visitors have the opportunity to test various systems and products, to inform themselves about the latest medical findings, and to get to know a large number of consulting offers. The specialised character of this exhibition gives the visitor the chance to have personal contact with manufacturers, associations, consultants and doctors. In 2019, SightCity was organized at Sheraton Frankfurt Airport Hotel, where it was attended by 135 exhibitors and 3800 visitors. MV participated in this exhibition as an exhibitor with its own booth, in which it presented the EasyTV project and disseminated the EasyTV results.



Figure 3-32: EasyTV presented at the SightCity exhibition

## 3.7. Publications

All publications related to EasyTV for the final 18 months of the project are listed below:

### Journals

1. Moreno, F., Uribe, S., Álvarez, F., & Menéndez, J. M. (2020). Extending Aspect-Oriented Programming for Dynamic User's Activity Detection in Mobile App Analytics. *IEEE Consumer Electronics Magazine*, 9(2), 57-63. doi: 10.1109/MCE.2019.2953738.
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3. Tor-Carroggio, I., & Orero, P. (2019). User profiling in audio description reception studies:

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4. Tor-Carroggio, I., Segura, D., & Soler-Vilageliu, O. (2019). Usability as a Premise of Quality. First steps towards the validation of the System Usability Scale (SUS) into Spanish. *Journal of Audiovisual Translation*, 2(2), 57-71.
  5. Bosch-Baliarda, M., Soler Vilageliu, O., & Orero, P. (2019). Toward a Sign Language-Friendly Questionnaire Design. *The Journal of Deaf Studies and Deaf Education*, 24(4), 333-345.
  6. López, J. P., Bosch-Baliarda, M., Martín, C. A., Menéndez, J. M., Orero, P., Soler, O., & Álvarez, F. (2019). Design and development of sign language questionnaires based on video and web interfaces. *Artificial Intelligence for Engineering Design, Analysis and Manufacturing AI-EDAM*, 33(4), 429-441.
  7. Bosch-Baliarda, M., Soler-Vilageliu, O., & Orero, P. (2020). Sign language interpreting on TV: a reception study of visual screen exploration in deaf signing users. *MonTI. Monografías de Traducción e Interpretación*, (12), 108-143.

## Conferences

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2. Theodoridis, T., Chatzis, T., Solachidis, V., Dimitropoulos, K., & Daras, P. (2020). Cross-Modal Variational Alignment of Latent Spaces. *In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops*, 960-961.

## Book chapters

1. Stefanidis, K., Konstantinidis, D., Kalvourtzis, A., Dimitropoulos, K., & Daras, P. (2020). 3D Technologies and Applications in Sign Language. *In Recent Advances in 3D Imaging, Modeling, and Reconstruction* (pp. 50-78). IGI Global.

From the published papers in conferences, journals and books, some interesting statistics can be produced. The total number of views of these papers is equal to **198** (based on the statistics of the Reseachgate), while the average number of views per paper is equal to **28.3**. Furthermore, the paper that made the most impact as far as the number of views is concerned is:

1. Bosch-Baliarda, M., Soler Vilageliu, O., & Orero, P. (2019). Toward a Sign Language-Friendly Questionnaire Design. *The Journal of Deaf Studies and Deaf Education*, 24(4), 333-345. **(55 views)**

## 3.8. Clustering activities

Clustering activities aim to enable or enhance the cooperation and knowledge transfer between projects or between a project and a company. To this end, EasyTV project coordinator UPM organized the H2020 Accessibility Cluster Workshop, in which synergies were developed between EasyTV and the following European funded projects: **ImAc** [31], **Content4All** [32] and **SIGN-HUB** [33].

Moreover, UAB requested and will lead **COST Action “CA191424 LEAD ME”** [34], which aims to help all stakeholders in the field of Media Accessibility and cross-cutting topics (e.g. AI and Interactive Technologies) in Europe to meet the legal milestones requested by the recently passed European legislation. To this end, meetings and working group meetings and dissemination activities will be organized to allow researchers, engineers, scholars, businesses and policy makers to collect, create, share, promote and disseminate innovative technologies and solutions and contribute towards existing and new standards on Media Accessibility among 28 European or associated countries.

On the other hand, ARX.NET held several presentations and workshops with the following business partners (well-known Greek and Cypriote media and internet providers) showcasing their contribution and results of the EasyTV project: **Cytamobile–Vodafone** (Cyprus), **Vodafone** (Greece), **CosmoteTV** (Greece), **Wind** (Greece) and **ERT** (Greece).

All these clustering activities have not just added up, but multiplied the possibilities for raising awareness about accessibility. By working together with other projects, as well as raising the awareness of media and internet providers, EasyTV aims to formulate a clear policy and roadmap towards accessibility and the adoption of the AVMSD directive.



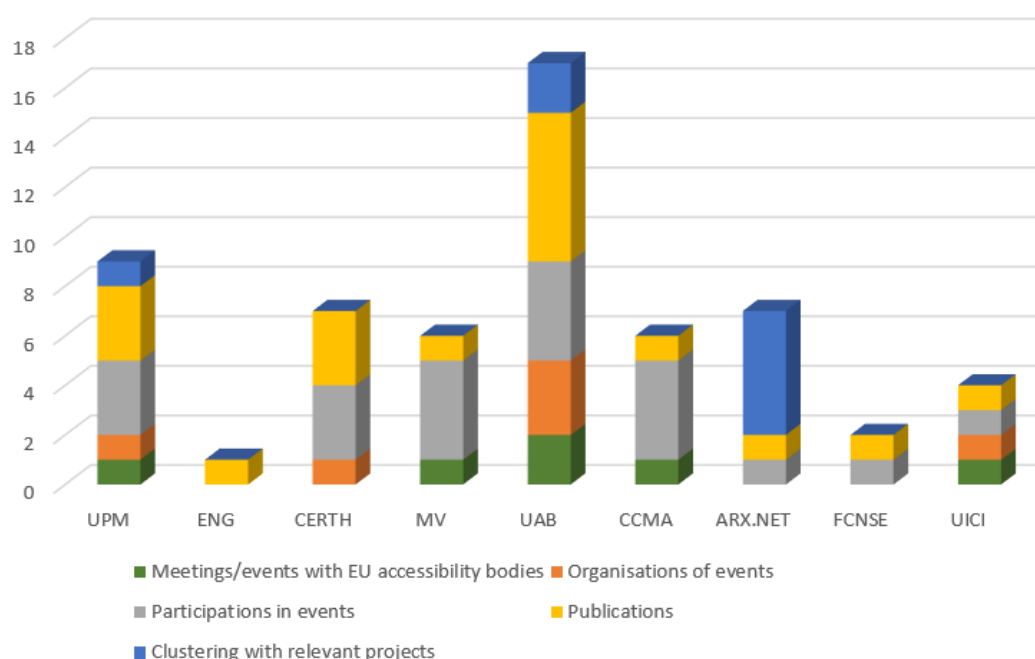
## 4. DISSEMINATION EVALUATION

This section presents the overall dissemination activities carried out by the EasyTV consortium during the final 18 months of the project (i.e. final report). A detailed description of the activities, in which each partner was engaged, is presented in Appendix I. The following table summarises the dissemination activities of all partners of the EasyTV project.

**Table 4-1: Final report on dissemination activities for each partner of the EasyTV project**

Dissemination activity	UPM	ENG	CERTH	MV	UAB	CCMA	ARX.NET	FCNSE	UICI
Meetings/events with EU accessibility bodies	1	0	0	1	2	1	0	0	1
Organisations of events	1	0	1	0	3	0	0	0	1
Participations in events	3	0	3	4	4	4	1	1	1
Publications	3	1	3	1	6	1	1	1	1
Clustering with relevant projects	1	0	0	0	2	0	5	0	0

The information presented in Table 4-1, is also visualised in Figure 4-1.



**Figure 4-1: Visualisation of dissemination activities for each partner of the EasyTV project**

Table 4-2 presents the total number of dissemination activities per category based on Table 4-1, after discarding duplicate activities attended/organised by more than one partners. Table 4-2 is used to determine whether the final dissemination goals of the EasyTV project have been achieved. It should be noted that the meetings/events with EU accessibility bodies and the organisation of local events are excluded from the number of external events that the EasyTV consortium has participated in.

**Table 4-2: Total number of dissemination activities per category during the final 18 months of the project**

Dissemination activity	Total number
Meetings/events with EU accessibility bodies	3
Organisations of events	6
Participations in events	11
Publications	10
Clustering with relevant projects	7

Based on the key performance indicators (KPIs) defined on the deliverable “D1.2 – EasyTV system requirements specification” and Table 4-2 that reports the total dissemination activities of the EasyTV consortium, a final evaluation of the dissemination of the EasyTV project and whether or not the dissemination goals have been achieved, can be performed. Table 4-3 performs a comparison between the dissemination goals per year and the final number of activities targeted and performed by the EasyTV consortium during the entire duration of the project.

**Table 4-3: Comparison of the dissemination goals with the reported mid-term dissemination activities**

Dissemination activities	Target per year	Final activities (M33) targeted	Final activities (M33) performed
KPI-12: Meetings/events with EU accessibility bodies	3	8	8
KPI-13: Publications	4	11	17
KPI-14: Participations in external events	2	6	31

From Table 4-3, it can be concluded that all dissemination goals (i.e. KPI-12, KPI-13 and KPI-14) set in D1.2 have been achieved. More specifically, the partners of the EasyTV consortium have participated in 8 meetings or events with EU accessible bodies (the goal was set to 8). More meeting could have been performed (e.g., Born Accessible event by the EU Parliament) but postponed due to the Covid-19 situation. Furthermore, the EasyTV partners published 17 papers in conferences, journals and books, significantly overcoming the target set to 11. Finally, the partners of the EasyTV consortium have participated in 31 external events, a number significantly bigger than the corresponding dissemination goal that was set to 6. As a result, the final dissemination report shows that the EasyTV project managed to fulfil its dissemination goals and create a huge impact on the academic society, industry, EU and local accessibility bodies and the general public.

## **5. CONCLUSIONS**

This document initially presents an overview of the designed dissemination plan that was followed in the EasyTV project, along with the means, tools and approaches to best disseminate EasyTV in scientific community, potential stakeholders and general public, as it was formulated in the Internal Dissemination Plan. Then, the document presents in detail the clustering activities and events that the EasyTV consortium organised or participated during the final 18 months of the project. Finally, the dissemination results are evaluated and reveal that all dissemination goals set in D1.2 have been successfully achieved.

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- sustainable development: <https://easytvproject.eu/blog/post/translating-in-the-21st-century-and-the-challenge-of-sustainable-development-summer-school>
- [30] SightCity exhibition: <http://www.sightcity.net/en/>
  - [31] Immersive Accessibility (ImAc) project: <http://www.imac-project.eu/>
  - [32] Content4All project: <http://content4all-project.eu/>
  - [33] SIGN-HUB project: <https://www.unive.it/pag/33750/>
  - [34] COST action “CA19144 LEAD ME”:  
<https://www.cost.eu/actions/CA19142/#tabs|Name:overview>

## APPENDIX I

In Appendix I, we present the individual dissemination activities of all partners of the EasyTV consortium during the final 18 months of the project.

Partner Name:	UPM
Press releases (Magazine/Channel, Date, Description)	
Organisation of events (Date, Place, Description)	
Participation in events (Date, Place, Description)	<ol style="list-style-type: none"> <li>1) Attendance to the IBC in Amsterdam (12<sup>th</sup> – 17<sup>th</sup> Sept. 2019) for project dissemination and demos.</li> <li>2) Attendance to the XVIII World Congress of the WFD in Paris (23<sup>th</sup> – 27<sup>th</sup> July 2019) together with FCNSE for project dissemination.</li> <li>3) Authors: María Poveda-Villalón, Pablo Calleja-Ibañez, Elena Montiel-Ponsoda y Emilio Ferreiro Lago. Title: <i>Primeros pasos hacia la anotación semántica para la lengua de signos</i> (First steps towards Sign Language semantic annotation) Type of participation: Communication in congress. Congreso: Congreso CNLSE de la Lengua de signos Española 2019, Place: Madrid, Spain, Date: 19-20 September 2019</li> </ol>
Publications	<ol style="list-style-type: none"> <li>1) F. Moreno, S. Uribe, F. Álvarez and J. M. Menéndez, "Extending Aspect-Oriented Programming for Dynamic User's Activity Detection in Mobile App Analytics," in <i>IEEE Consumer Electronics Magazine</i>, vol. 9, no. 2, pp. 57-63, 1 March 2020, doi: 10.1109/MCE.2019.2953738.</li> <li>2) Uribe, S., Belmonte, A., Moreno, F., Llorente, Á, López, J., &amp; Álvarez, F. (2019). New access services in HbbTV based on a deep learning approach for media content analysis. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing</i>, 33(4), 399-415. doi:10.1017/S0890060419000350.</li> <li>3) Konstantinidis, D., Dimitropoulos, K., Stefanidis, K., Kalvourtzis, T., Gannoum, S., Kaklanis, N., Votis, K., Daras, P., et al. (2020). Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece.</li> </ol>
Clustering projects with (Project name/website/Cluster ing activities):	<ol style="list-style-type: none"> <li>1) Attendance to the H2020 Accessibility Cluster Workshop in Brussels (5<sup>th</sup> Feb, 2019) as project coordinator.</li> </ol>
Other	-

<b>Partner Name:</b>	<b>ENG</b>
<b>Press releases (Magazine/Channel, Date, Description)</b>	1) White paper on "Digital Media & Communication" sector in ENG citing also the EasyTV work: <a href="https://www.eng.it/en/white-papers/digital-media-communication">https://www.eng.it/en/white-papers/digital-media-communication</a> Available in: <a href="https://www.eng.it/resources/whitepaper/doc/digital-media/Digital_Media_Communication_whitepaper_eng.pdf">https://www.eng.it/resources/whitepaper/doc/digital-media/Digital_Media_Communication_whitepaper_eng.pdf</a>
<b>Organisation of events (Date, Place, Description)</b>	
<b>Participation in events (Date, Place, Description)</b>	
<b>Publications</b>	1) Konstantinidis, D., Dimitropoulos, K., Stefanidis, K., Kalvourtzis, T., Gannoum, S., Kaklanis, N., Votis, K., Daras, P., et al. (2020). Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece.
<b>Clustering projects with (Project name/website/Clustering activities):</b>	
<b>Other</b>	Preparation to present EasyTV results at the Engineering Group Annual national kick-off meeting with about 1000 people attendance each year. The event should have happened in mid-March at Auditorium Parco della Musica in Rome, but cancelled due to COVID-19 issue.

<b>Partner Name:</b>	<b>CERTH</b>
<b>Meetings/events with EU accessibility bodies (Date, Place, Description)</b>	
<b>Organisation of events (Date, Place, Description)</b>	1) AGENT workshop in PETRA 2020 Conference (June 30 – July 3)

Description)	
Participation events in (Date, Place, Description)	<ol style="list-style-type: none"> <li>1) AI-Move, presentation of EasyTV services to 12 postgraduate students from the MINES ParisTech university (December 2019).</li> <li>2) IBC 2019</li> <li>3) CVPR 2020 conference</li> </ol>
Publications	<ol style="list-style-type: none"> <li>1) Konstantinidis, D., Dimitropoulos, K., Stefanidis, K., Kalvourtzis, T., Gannoum, S., Kaklanis, N., Votis, K., Daras, P., et al. (2020). Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece.</li> <li>2) Theodoridis, T., Chatzis, T., Solachidis, V., Dimitropoulos, K., &amp; Daras, P. (2020). Cross-Modal Variational Alignment of Latent Spaces. In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (pp. 960-961).</li> <li>3) Stefanidis, K., Konstantinidis, D., Kalvourtzis, A., Dimitropoulos, K., &amp; Daras, P. (2020). 3D Technologies and Applications in Sign Language. In Recent Advances in 3D Imaging, Modeling, and Reconstruction (pp. 50-78). IGI Global.</li> </ol>
Clustering projects with (Project name/website/Cluster ing activities):	

Partner Name:	Mediavoice
Press releases (Magazine/Channel, Date, Description)	
Organisation of events (Date, Place, Description)	
Participation events in (Date, Place, Description)	<ol style="list-style-type: none"> <li>1) 26 April 2019 - <b>Annual Meeting of the territorial section of U.I.C.I.</b> Roma: Presentation of EasyTv project and Speech Platform Interface of the first prototype by Mediavoice.</li> <li>2) 8-10 May 2019: EasyTV project at <b>SightCity</b> Sheraton Frankfurt Airport Hotel – Mediavoice Booth</li> <li>3) <b>IBC</b> – September 2019. (12th-17th September) A world-class exhibition. Coordination, logistics and participation on the Accessibility cluster booth. EasyTV project dissemination and demos.</li> <li>4) 27-30 November 2019 <b>EBU/UICI TechFair</b> during THE</li> </ol>



	11TH EBU GENERAL ASSEMBLY 2019: presentation of EasyTV Project - Mediavoice/UICI
<b>Publications</b>	1) Konstantinidis, D., Dimitropoulos, K., Stefanidis, K., Kalvourtzis, T., Gannoum, S., Kaklanis, N., Votis, K., Daras, P., et al. (2020). Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece.
<b>Clustering projects with projects</b> (Project name/website/Clustering activities):	
<b>Other</b>	

<b>Partner Name:</b>	UAB
<b>Press releases</b> (Magazine/Channel, Date, Description)	1) <a href="https://easytvproject.eu/blog/post/the-easytv-project-presented-to-the-alma-network">https://easytvproject.eu/blog/post/the-easytv-project-presented-to-the-alma-network</a> 2) <a href="https://easytvproject.eu/blog/post/easytv-at-the-barcelona-sc13nc3-fest-2019">https://easytvproject.eu/blog/post/easytv-at-the-barcelona-sc13nc3-fest-2019</a> 3) <a href="https://easytvproject.eu/blog/post/easytv-project-at-the-international-conference-on-sign-language">https://easytvproject.eu/blog/post/easytv-project-at-the-international-conference-on-sign-language</a> 4) <a href="https://easytvproject.eu/blog/post/easytv-at-the-itu-the-future-of-television-for-europe">https://easytvproject.eu/blog/post/easytv-at-the-itu-the-future-of-television-for-europe</a> 5) <a href="https://easytvproject.eu/blog/post/translating-in-the-21st-century-and-the-challenge-of-sustainable-development-summer-school">https://easytvproject.eu/blog/post/translating-in-the-21st-century-and-the-challenge-of-sustainable-development-summer-school</a> 6) <a href="https://easytvproject.eu/blog/post/h2020-accessibility-cluster-workshop-5th-february-2019">https://easytvproject.eu/blog/post/h2020-accessibility-cluster-workshop-5th-february-2019</a> 7) Born Accessible (EU parliament March 2020)
<b>Organisation of events</b> (Date, Place, Description)	1) GAAD2020 Global Accessibility Awareness Day May 2020: <a href="http://grupsderecerca.uab.cat/transmedia/TMC_GAAD">http://grupsderecerca.uab.cat/transmedia/TMC_GAAD</a> 2) Born Accessible Day European Parliament March 2020: <a href="http://grupsderecerca.uab.cat/transmedia/born-accessible">http://grupsderecerca.uab.cat/transmedia/born-accessible</a> (postponed) 3) ALMA workshop 30/01/2020: <a href="https://easytvproject.eu/blog/post/the-easytv-project-presented-to-the-alma-network">https://easytvproject.eu/blog/post/the-easytv-project-presented-to-the-alma-network</a> 4) Barcelona Science: <a href="https://easytvproject.eu/blog/post/easytv-at-the-barcelona-sc13nc3-fest-2019">https://easytvproject.eu/blog/post/easytv-at-the-barcelona-sc13nc3-fest-2019</a>
<b>Participation events in</b>	1) EBU October 2019: <a href="https://easytvproject.eu/blog/post/easytv-present-at-2019-">https://easytvproject.eu/blog/post/easytv-present-at-2019-</a>

<b>(Date, Description)</b>	<b>Place,</b> <a href="https://easytvproject.eu/blog/post/easytv-project-at-the-international-conference-on-sign-language">ebu-access-services-experts-group</a> 2) Sign Language Conference October 2019: <a href="https://easytvproject.eu/blog/post/easytv-project-at-the-international-conference-on-sign-language">https://easytvproject.eu/blog/post/easytv-project-at-the-international-conference-on-sign-language</a> 3) ITU June 2019 The Future of TV: <a href="https://easytvproject.eu/blog/post/easytv-at-the-itu-the-future-of-television-for-europe">https://easytvproject.eu/blog/post/easytv-at-the-itu-the-future-of-television-for-europe</a> 4) PhD Summer School – Venice University: <a href="https://easytvproject.eu/blog/post/translating-in-the-21st-century-and-the-challenge-of-sustainable-development-summer-school">https://easytvproject.eu/blog/post/translating-in-the-21st-century-and-the-challenge-of-sustainable-development-summer-school</a>
<b>Publications</b>	1) Orero, P. & Tor-Carroggio, I., “User profiling in audio description reception studies: questionnaires for all ,” inTRAlinea vol.21, 2019 2) Tor-Carroggio, I., Segura, D., & Soler-Vilageliu, O. “Usability as a premise of quality. First steps towards the validation of the System Usability Scale (SUS) into Spanish”, Journal of Audiovisual Translation, 2, 2019 3) Bosch Baliarda, M., Soler Vilageliu, S. & Pilar Orero, “Towards a sign language friendly questionnaire design. ,” Journal of Deaf Studies and Deaf Education, 2019 4) Velasco, Juan Pedro, Bosch Baliarda, Marta, Carlos Alberto Martin, José Manuel Menéndez, Pilar Orero, Olga Soler, Federico Álvarez Design and development of sign language questionnaires based on video and web interfaces ,” Artificial Intelligence for Engineering Design, Analysis and Manufacturing AI-EDAM: 429-441, 2019 5) Bosch Baliarda, Marta; Olga Soler Vilageliu, and Pilar Orero (2020) Sign Language Interpreting on TV: A reception study of visual screen exploration in deaf signing users. MonTi 12: 108-143. 6) Konstantinidis, D., Dimitropoulos, K., Stefanidis, K., Kalvourtzis, T., Gannoum, S., Kaklanis, N., Votis, K., Daras, P., et al. (2020). Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece.
<b>Clustering projects with (Project name/website/Cluster ing activities):</b>	1) Requested COST action “CA19144 LEAD ME”: <a href="https://www.cost.eu/actions/CA19142/#tabs Name:overview">https://www.cost.eu/actions/CA19142/#tabs Name:overview</a> 2) Accessibility Cluster 2019: <a href="https://easytvproject.eu/blog/post/h2020-accessibility-cluster-workshop-5th-february-2019">https://easytvproject.eu/blog/post/h2020-accessibility-cluster-workshop-5th-february-2019</a>
<b>Other</b>	Video for GAAD day May 2020: <a href="https://youtu.be/z0mL19fX1-g?list=PLZttiMCeHvvtxgHf_jdmT4ZSRbQAnkBDX">https://youtu.be/z0mL19fX1-g?list=PLZttiMCeHvvtxgHf_jdmT4ZSRbQAnkBDX</a>

<b>Partner Name:</b>	<b>CCMA</b>
<b>Press releases (Magazine/Channel,</b>	1) EasyTV present at 2019 EBU Access Services Experts Group: <a href="https://easytvproject.eu/blog/post/easytv-present-at-2019-ebu-access-services-experts-group">https://easytvproject.eu/blog/post/easytv-present-at-2019-ebu-access-services-experts-group</a>

<b>Date, Description)</b>	2) Multi-lingual subtitling pilot press release: <a href="https://easytvproject.eu/blog/post/tv3-has-over-one-hundred-subtitles-in-the-international-easytv-project">https://easytvproject.eu/blog/post/tv3-has-over-one-hundred-subtitles-in-the-international-easytv-project</a> 3) Multi-lingual subtitling pilot, call for volunteers: <a href="https://easytvproject.eu/blog/post/ccma-tv3-starts-the-test-phase-of-the-easytv-project">https://easytvproject.eu/blog/post/ccma-tv3-starts-the-test-phase-of-the-easytv-project</a> 4) 8th HbbTV Symposium and Awards: <a href="https://easytvproject.eu/blog/post/8th-hbbtv-symposium-and-awards">https://easytvproject.eu/blog/post/8th-hbbtv-symposium-and-awards</a> 5) Innovative accessibility solutions in immersive content at IBC: <a href="https://easytvproject.eu/blog/post/ccma-demonstrated-innovative-accessibility-solutions-in-immersive-content-at-ibc">https://easytvproject.eu/blog/post/ccma-demonstrated-innovative-accessibility-solutions-in-immersive-content-at-ibc</a>
<b>Organisation of events (Date, Place, Description)</b>	
<b>Participation events in (Date, Place, Description)</b>	1) IBC – September 2019. (12th-17th September) A world-class exhibition. Coordination, logistics and participation on the Accessibility cluster booth. EasyTV project dissemination and demos. 2) Project Demo corner at EBU Accessibility Services Experts Meeting (17th-18th October 2019, RTE Premises Dublin, Ireland). 3) Project introduction in 8th HbbTV Symposium (22 November 2019, Athens, Greece). 4) Participation in Alma networking meeting. Crowdsourcing and Subtitle production presentation and demos. (20 January 2020, Bellaterra-Barcelona, Spain).
<b>Publications</b>	1) Konstantinidis, D., Dimitropoulos, K., Stefanidis, K., Kalvourtzis, T., Gannoum, S., Kaklanis, N., Votis, K., Daras, P., et al. (2020). Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece.
<b>Clustering projects with (Project name/website/Clustering activities):</b>	
<b>Other</b>	

<b>Partner Name:</b>	<b>ARX.NET</b>
<b>Press releases (Magazine/Channel, Date, Description)</b>	
<b>Organisation of events</b>	

<b>(Date, Description)</b>	<b>Place,</b>	
<b>Participation in events</b>		1) IBC 2019 (12-17 September 2019) Amsterdam. Dissemination and demos for the EasyTV project.
<b>(Date, Description)</b>	<b>Place,</b>	
<b>Publications</b>		1) Konstantinidis, D., Dimitropoulos, K., Stefanidis, K., Kalvourtzis, T., Gannoum, S., Kaklanis, N., Votis, K., Daras, P., et al. (2020). Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece.
<b>Clustering with projects</b>		
<b>(Project name/website/Clustering activities):</b>		
<b>Other</b>		Held presentations and workshops with business partners showcasing our contribution and results of the EasyTV project. <ul style="list-style-type: none"> <li>- cytamobile – vodafone (Cyprus)</li> <li>- vodafone (Greece)</li> <li>- CosmoteTV (Greece)</li> <li>- Wind (Greece)</li> <li>- ERT (Greece)</li> </ul>

<b>Partner Name:</b>	<b>CNSE Foundation</b>
<b>Press releases</b> <b>(Magazine/Channel, Date, Description)</b>	1) Revista Faro, January-April 2019, n.265, pg. 44-45 Press article about EasyTV Project, Available in <a href="http://cnse.es/uploaded/publicaciones/18112019123649_1372.pdf">http://cnse.es/uploaded/publicaciones/18112019123649_1372.pdf</a> 2) Revista Faro, May-August 2019, n. 266, pg. 36 Press mention about the Platform presentations at the XVIII World Congress of the WFD, Available in <a href="http://www.cnse.es/uploaded/publicaciones/12022020115836_2199.pdf">http://www.cnse.es/uploaded/publicaciones/12022020115836_2199.pdf</a>
<b>Organisation of events</b> <b>(Date, Place, Description)</b>	
<b>Participation in events</b> <b>(Date, Description)</b>	1) Ferreiro-Lago & Álvarez-García (2019): EasyTV: Easing the Access of the European Deaf from the Point of View of Sign Language users. <i>XVIII World Congress of the WFD. Paris, 23-27 July 2019.</i> Available in <a href="https://www.wfdcongress2019.org/">https://www.wfdcongress2019.org/</a>
<b>Publications</b>	1) Konstantinidis, D., Dimitropoulos, K., Stefanidis, K.,

	Kalvourtzis, T., Gannoum, S., Kaklanis, N., Votis, K., Daras, P., et al. (2020). Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece.
<b>Clustering projects with projects</b> (Project name/website/Clustering activities):	
<b>Other</b>	<p>Media spreading in the CNSE official Facebook page and Twitter account. Dates: 2019 March 7, 2019 July 23, 2019 July 25, 2019 November 13 and 2020 May 15</p> <p>Video report about the participation of CNSE Foundation in the Project EasyTV, in preparation for dissemination in social media about mid-June 2020 [all events on accessibility in Spain were cancelled due to the COVID19 pandemic]</p> <p>2018 Annual Report of the CNSE Foundation. Available in <a href="http://fundacioncnse.org/pdf_memorias/memoria-2018.pdf">http://fundacioncnse.org/pdf_memorias/memoria-2018.pdf</a></p> <p>2019 Annual Report of the CNSE Foundation. In press.</p>

<b>Partner Name:</b>	<b>UICI</b>
<b>Press releases</b> (Magazine/Channel, Date, Description)	<ol style="list-style-type: none"> <li>1) March 2019: Dissemination of EasyTV project through: The UICI newsletter (uicromainforma) delivered to all members of UICI Roma 781. Recruiting testers for intermediate tests and spread EasyTV intermediate results</li> <li>2) January/March/April/May 2020: Dissemination of EasyTV project through: The UICI newsletter (uicromainforma) delivered to all UICI Roma 781 members. recruiting testers for final tests and spread EasyTV final results</li> <li>3) March/April/May2020 periodical publication on the web site <a href="http://www.uicroma.it">www.uicroma.it</a> for recruiting testers and spread EasyTV final results</li> </ol>
<b>Organisation of events</b> (Date, Place, Description)	<ol style="list-style-type: none"> <li>1) 26 April 2019 - ORGANITATION <b>Annual Meeting of the territorial section of U.I.C.I.</b> Roma: Presentation of EasyTV project and Speech Platform Interface of the first prototype by Mediavoice.</li> </ol>
<b>Participation events</b> in	<ol style="list-style-type: none"> <li>1) 27-30 November 2019 <b>EBU/UICI TechFair</b> during THE 11TH EBU GENERAL ASSEMBLY 2019: presentation of</li> </ol>



(Date, Description)	Place,	EasyTV Project – UICI/ Mediavoice
<b>Publications</b>		1) Konstantinidis, D., Dimitropoulos, K., Stefanidis, K., Kalvourtzis, T., Gannoum, S., Kaklanis, N., Votis, K., Daras, P., et al. (2020). Developing Accessibility Multimedia Services: The Case of EasyTV. International Conference on Pervasive Technologies Related to Assistive Environments Conference (PETRA), Corfu, Greece.
<b>Clustering projects with projects</b> (Project name/website/Clustering activities):		
<b>Other</b>		