SUITCEYES

1 Jan 2018 - 31 Dec 2020

Smart, User-friendly, Interactive, Tactual, Cognition-Enhancer, that Yields Extended Sensosphere
Appropriating sensor technologies, machine learning, gamification and smart haptic interfaces

[D8.11]

Dissemination activities report I

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Dissemination level		
PU	PUBLIC, fully open, e.g. web	X
CO	CONFIDENTIAL, restricted under conditions set out in Model Grant Agreement	
CI	CLASSIFIED, information as referred to in Commission Decision 2001/844/EC.	

Deliverable Type		
R	Document, report (excluding the periodic and final reports)	X
DEM	Demonstrator, pilot, prototype, plan designs	
DEC	Websites, patents filing, press & media actions, videos, etc.	
OTHER	Software, technical diagram, etc.	

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Glossary	
Abbr./ Acronym	**Meaning**
D8.11	Deliverable 8.11 – Grant Agreement No. 780814 – SUITCEYES [deliverable number on pages 9, 35-37]
SUITCEYES	Smart, User-friendly, Interactive, Tactual, Cognition-Enhancer that Yields Extended Sensosphere - Appropriating sensor technologies, machine learning, gamification and smart haptic interfaces
WP8	Work Package 8 – Dissemination, Knowledge-sharing & Exploitation
HIPI	Haptic, Intelligent, Personalised Interface
PLoS	Public Library of Science
ATAAC	Assistive Technology and Augmentative and Alternative Communication
ATIA	Assistive Technology Industry Association
CSUN	California State University Northridge Assistive Technology conference
ICCHP	International Conference on Computers Helping People with Special Needs
KPIs	Key Performance Indicators
IEC TC 100	International Electrotechnical Commission Technical Committees 100
SASE	Similar Abstract Search Engine
ACI	Affective and Cognitive Institute

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1. Executive Summary

In this document a first review of the dissemination activities of the SUITCEYES project is presented. Opportunities and challenges about these activities are discussed. The dissemination plan and the target audiences defined for the project are the basis for all dissemination activities. We present how the consortium has managed to coordinate efforts under the leadership of WP8 to successfully impulse project awareness in different interest groups. This report contains examples of the dissemination activities and methods used to build our target audiences, analyse our stakeholders network and constantly evaluate progress to mould our dissemination strategies accordingly. We are permanently seeking to build relations with external stakeholders and a larger community around the project, and to disseminate the project results and gather feedback.

This deliverable is closely related to other documents from the same WP, such as *D8.1 Project website*, *D8.2 Define project identity I*, *D8.3 Define project identity II*, *D8.9 Detailed dissemination plan*, and *D8.17 Impact Measurement Methodology*; all being part of the general communication strategy of the project. Dissemination activities are very dynamic and they demand the constant update in collaboration with all project partners. This involves two specific objectives:

1) Awareness creation, communication and dissemination of the project results;
2) Ensure knowledge sharing, stakeholder engagement, and sustainability beyond the project's lifetime.

The type of dissemination activity undertaken by SUITCEYES partners will evolve over time. In the initial stages of the project the general messages were released via social media, introductory videos are recorded and posted on YouTube and the project website is given some flesh. This stage is about building a strategy and a basis from which to communicate future results and favour networking with different stakeholders in view of potential exploitation activities.

2. Introduction and Rationale

The goal of the SUITCEYES project is to design, implement and evaluate a haptic, intelligent, personalised interface (HIPI) that will be enhanced by added value elements for people with deafblindness. To achieve this objective a number of dissemination activities is performed to promote this approach (and in the future the final product) and the scientific results of the project.

This document is the first dissemination activities report and is part of the WP8 'Dissemination, Knowledge-sharing & Exploitation' deliverables. The summative result of dissemination activities within the first year of the SUITCEYES project is presented. The general structure of this document is presented as follows:

- Section 3 discusses our general approach and how dissemination opportunities and challenges are defined by both the level of engagement with an audience and the nature of the research results.
- Section 4 briefly presents some aspects of the dissemination plan (D8.9), which are important to contextualise the following sections.
- Section 5 presents the target audience of the SUITCEYES project and it defines the stakeholders and dissemination venues. The preliminary analysis of SUITCEYES stakeholders is also included in this section.
- Section 6 explains the role of each partner in the dissemination process which aims to rise project awareness. It lists the developed dissemination activities within the first year of project and planned further activities, whereas
- Section 7 discusses the undertaken dissemination methods which were planned in D8.9. A list of carried out dissemination methods that include scientific, technical and general dissemination items is provided. This section also comments on promotional and publicity material.
- Section 8 presents an update on the monitoring of dissemination activities and the Key Performance Indicators (KPIs), measuring the outcomes of the first year of the project. In-depth information about these measurements is available in *D8.17 Impact Measurement Methodology*.
- Section 9 comments on project awareness and gives some recommendations as a guide to improve the projects dissemination process. Finally,
- Section 10 provides the concluding remarks outlining the major performed steps regarding the dissemination activities.

3. Opportunities and Challenges in the Dissemination of Research

The primary concern for our dissemination activity is to raise project awareness and to contribute to the transformation of research-based knowledge into new possibilities for the deafblind communities. We strongly believe that sharing project information and results will encourage engagement amongst stakeholders.
The main ambition of rising awareness about the project is to entice the project's audience to explore and learn more about our user-centred approach. The resulting interaction between the project and its closest audience can then open the door to reach a broader community. Considering our objective of widespreading project awareness, it is crucial to determine the most effective communication channels to accomplish our aim. Our dissemination activities need to be effective in disclosing and making available research findings to the public, but also to encourage feedback from our audience which is central to shape the direction of the on-going research.
During the first year of the project our primary focus was to establish communication pathways and understanding who our audiences could be. The importance of consolidating our audiences from the beginning relies on the fact that in the second and third year of the project (as project results are achieved), the dissemination of results and building of stakeholder networks will be the priority to achieve exploitation perspectives.

The reason for some difficulties and challenges in dissemination of project results can be due to:

1) The complexity of the task in developing the HIPI solution and thus of any solution in what was acknowledged as a constantly evolving and expanding field;
2) The difficulty around coherent communication with a vast and often disparate array of audiences (academic field, business and interest-group communities), and
3) Define the correct messages for dissemination purposes considering that the context of an on-going research results is constantly evolving.

Successful dissemination and use of results of the SUITCEYES project are considered essential for the project's long-term impact and benefit to academics, industry, and users. An effective dissemination and exploitation strategy is important for achieving the expected impacts. Given that the SUITCEYES solution will affect the everyday lives of persons with deafblindness, we expect it to be able to generate interest across different segments of the public and affect career visions of young researchers. The dissemination and use of results is always carefully conciliated with intellectual property rights and ethical aspects of data protection.

The view held in SUITCEYES is that all research, and especially those funded by public money, should benefit the whole of society, be instrumental for progress, and act as a stepping stone for further research. We will therefore make the research results available through different channels and strive to provide open access to the project data, as far as possible. However, not all data generated and used within SUITCEYES are suitable or appropriate for sharing and reuse, and hence, SUITCEYES has chosen not to participate in the Open Research Data Pilot. The decision to opt out has been based on two factors, the potential for exploitation of results by some partners, but more importantly, the vulnerability of some of the project's study participants and the sensitivity of the data that will be generated in the project.

4. Dissemination Plan

A detailed dissemination plan (D8.9) was developed and circulated in M4, during the launching phase of the project, with the purpose of defining the methodology and identifying key dissemination tools and activities. More specifically, the dissemination plan of SUITCEYES sets out:

1) The dissemination methodology (definitions/objectives/rules);
2) Target audiences in the SUITCEYES project and tools to identify and characterise stakeholders;
3) A list of conferences and journals in related fields where SUITCEYES results could be published;
4) A list of upcoming third-party events in related fields;
5) A list of dissemination methods and the associated approaches (website/social media/promotional material/press releases/academic dissemination etc.);
6) Dissemination monitoring tools.

The project's target audience was divided into three groups (academic community, industry sector and interest-group community) and individually described considering the particularities of each group concerning dissemination activities. A stakeholder characterisation tool was also proposed to further identify and characterise stakeholders.

Planned dissemination activities were presented, and potential academic events and journals for future participation were identified. A variety of dissemination methods were described according to target audiences and purpose of the activity. A dissemination monitoring tool was also presented, which allows periodical reporting of dissemination activities. Dissemination routines were described including basic criteria and procedures for approval of dissemination activities and final considerations about the monitoring of these activities.

Moreover, in D8.17 (*Impact Measurement Methodology*, submitted in M4) dissemination KPIs for the project duration were proposed. Now in this document, we present the first measurements of these indicators after the first year of the project.

Combining the mentioned deliverables (D8.9 and D8.17), a "Dissemination and KPIs reporting tool" was created to gather monthly information about the stakeholders, dissemination activities (done and planned) and KPIs achieved in the project. On the last Monday of the month, all partners are requested to use the reporting tool to update their activities and information. During the WP8 monthly meeting (held on the last Thursday of the month), the input of all partners is summarised having an up-to-date recap, useful for planning future dissemination activities. This tool was also of great use for the construction of this report.

5. Target Audiences and Stakeholder Analysis

The main goal of the dissemination is the promotion and propagation of knowledge and results that are generated in the project. The overarching idea of all dissemination activities is to raise awareness about the research and technological advancements, promote their use; thus create value within the targeted audiences. The main objectives of the dissemination are the following:

1) To make research results publicly available in order to be evaluated by other researchers;
2) To bring project results closer to the market by presenting the research and other technological results at various industrial and end-user events;
3) To inform interested public about the project progress and its main results.

This part of the document represents the report on the dissemination activities that have been performed during the first year of project. The section begins by presenting an updated description of the targeted audiences, next it defines stakeholders, the means to reach them and presents the preliminary characterisation and analysis of stakeholders. Finally, the description of each partner's role in the dissemination process is discussed.

5.1 Target audiences in SUITCEYES

Target audiences are the groups and people the SUITCEYES project intends to reach by sharing results, showing new possibilities and leading the way to develop commercial products. The results of the SUITCEYES project should be interesting to various audiences. Three target audiences were identified and described in D8.9:

1) Academic community and research institutions - Researchers from different fields associated with technical institutes and universities working in different topics related to the project (textiles, Assistive Technology, Information and Communication Technologies, computer-human interaction, disability, deafblindness etc.);
2) Industry sector acting with the field of disabilities - Organisations or persons involved in using or producing related technologies that could contribute to or benefit from the project's objectives (textiles, Assistive Technology, software engineering, sensors etc.);
3) End-users and the interest-group community - The end users' community included persons with deafblindness, their family members and support groups, educators and their organisations, other organisations working for and with people with deafblindness, general public, and policy / decision makers.

5.2 Stakeholders and dissemination venues

According to the Project Management Institute (PMI)[1], the term project stakeholder refers to, "an individual, group, or organization, who may affect, be affected by, or perceive itself to be affected by a decision, activity, or outcome of a project".
SUITCEYES project stakeholders are entities that have an interest in this project. These stakeholders may be inside or outside the project which:

- sponsor a project, or
- have an interest or a gain upon a successful completion of a project;
- may have a positive or negative influence in the project completion.

[1] https://www.pmi.org/

An assessment of the power, proximity and urgency associated with each stakeholder and the project stakeholder management are key components in affecting development in the project. Stakeholder analysis and stakeholder management are essential components for SUITCEYES: These allow as to reorient communication strategies if needed and to adapt our activities to the real needs of stakeholders.

The participation of stakeholders and potential users forwards the progress and success of a project enormously. There are several organizations nationally and internationally involved in:

- organizing people with deafblindness;
- supplying assistive resources and
- involved in policy activities.

The project has the ambition to create connections with representatives from several of these organisations and, in addition, aim to strengthen the connectivity between various national and international actors, cross cutting across various types of stakeholders. Clearly, having an adequate number of participants in user studies is crucial for statistical analysis and a user-centred design in the project. Moreover, external advice or ideas are valuable inputs as well, potentially leading to new perspectives and strategies to enhance project development.

To reach such stakeholders, the members of the consortium disseminate the project's findings in various venues and using different methods, described in the sections below.
The following table (Table 1) shows the relation between interested stakeholders and various dissemination venues. While each of these venues can potentially reach stakeholders of all types, we see reaching out to those marked with "x" to be more likely, and hence the contents are tailored to suit the identified audiences. The details of dissemination items are provided in the following section.

Table 1. The relationship between dissemination venues and stakeholders

Venues \ Stakeholders	End-users	Industry	Research	General public
Fairs, exhibitions, end-user events	×	×		×
Scientific conferences, workshops, journals		×	×	
Technology magazines	×	×	x	×
Educational and training institutions	×		×	
Homepage, social media	×	×		×

Throughout the project's lifetime, the timely identification and characterisation of the stakeholders contributes to the dissemination plan but also to the stakeholder engagement activities developed within WP8. The stakeholder's characterisation tool (Table 2), proposed in D8.9, is used by all partners in the project to report basic information from different persons and organisations that are or should be a part of the project's network (according to the defined target audiences). This table will be used to analyse the project's network and strengthen the stakeholder's engagement. From the beginning of the project, identifying stakeholders from each target audience is very important to promote the project and explore exploitation activities (identify opportunities, analyse the market, establish partnerships etc.).

Table 2. Stakeholder characterisation tool (without detailed contact information)

Stakeholder (Name of person/organisation)	**Type of stakeholder** (Academic community, industry sector and interest-group community)	**High / low *interest* in the project** (Score from 1 to 4, being 1 the lowest and 4 the highest interest)	**High / low *influence* of the stakeholder in the field** (Score from 1 to 4, being 1 the lowest and 4 the highest influence)
University of Skövde, School of Informatics (Gaming and gamification) in Sweden Webpage: http://www.his.se/en/about-us/Facts-and-figures/Organization/Schools/School-of-Informatics/	Academic community	**3**	**2**
Research Institute of Sweden (Vibration and acoustic analysis, transducers; Digital, acoustic and audio signal processing) Webpage: https://www.ri.se/en	Academic community	**2**	**1**
Fraunhofer Institute of Optronics, System Technologies and Image Exploitation IOSB, Information Management and Production Control in Germany (Software development, Information technology, Knowledge management, Software engineering) Webpage: https://www.iosb.fraunhofer.de/servlet/is/18352/	Academic community	**2**	**1**
SAAB Group (Integration design, Intuitive Interfaces, 3D audio and tactile displays) in Sweden Webpage: https://saabgroup.com/	Industry sector	**3**	**2**
Reutter GmbH in Germany Webpage: http://www.krisreutter.de/	Industry sector	**2**	**1**
Center for Education and Rehabilitation for the Blind (CERB) in Greece Webpage: http://www.keat.gr/index.php/en/	Interest-group community	**4**	**2**
CFD in Denmark Webpage: https://www.cfd.dk/english	Interest-group community	**4**	**4**
Eikholt in Norway Webpage: http://eikholt.no/english/	Interest-group community	**4**	**4**
Mo Gård in Sweden Webpage: https://www.mogard.se/	Interest-group community	**4**	**4**
Nationellt kunskapscentre för dövblindfrågor in Sweden Webpage: https://nkcdb.se/	Interest-group community	**4**	**4**
Towarzystwo Pomocy Głuchoniewidomym	Interest-group	**1**	**3**

in Poland Webpage: http://tpg.org.pl/	community		
Polska Fundacja Osób Słabosłyszących in Poland Webpage: http://pfos.org.pl/	Interest-group community	**4**	**4**
The West Götaland Region deafblind team in Sweden Webpage: http://www.vgregion.se/en/f/habilitation--health/	Interest-group community	**3**	**3**
The National Agency for Special Needs Education and Schools in Sweden Webpage: https://spsm.se/om-oss/english/	Interest-group community	**4**	**4**
The Nordic Centre for Welfare and Social Issues in Sweden and Finland Webpage: https://nordicwelfare.org/en/	Interest-group community	**2**	**3**
VGR – Dövblindteamet (Social haptic signals, communication with deafblind people, deafblind issues at regional level) in Sweden Webpage: https://www.vgregion.se/en/	Interest-group community	**3**	**3**
Sense in UK Webpage: https://www.sense.org.uk/	Interest-group community	**4**	**4**
Deafblind UK Webpage: https://deafblind.org.uk/	Interest-group community	**4**	**4**
Leeds Disabled People's Organisation in UK Webpage: https://www.ldpo.co.uk/	Interest-group community	**4**	**4**
St. Franziskus Stiftung Heiligenbronn in Germany Webpage: http://www.stiftung-st-franziskus.de/	Interest-group community	**3**	**2**
Deutsche Gesellschaft für Taubblindheit in Germany Webpage: https://www.gesellschaft-taubblindheit.de/impressum	Interest-group community	**4**	**4**
Taubblindendienst der EKD e.V. in Germany Webpage: http://www.taubblindendienst.de/?menuid=1&getlang=de	Interest-group community	**4**	**4**
Arbeitsgemeinschaft der Einrichtungen und Dienste für taubblinde Menschen in Deutschland (AGTB) in Germany Webpage: https://agtb-deutschland.de/	Interest-group community	**2**	**3**
Paulinenpflege Winnenden e.V. in Germany Webpage: https://www.paulinenpflege.de/	Interest-group community	**3**	**1**
St. Franziskus Stiftung Freiburg in Germany Webpage: http://www.stiftung-st-franziskus.de/	Interest-group community	**3**	**1**

Furthermore, efforts are placed on policy studies, with the goal of raising awareness and shaping policies regarding issues related to deafblindness, namely, decisions made towards improved

structural and societal conditions. An emphasis is being continuously placed on engaging with organizations at regional and national levels, symposiums and press (newspapers, radio, television), as well as with policy makers. The aim is not only to continuously inform about our project, but also to shape policies themselves. This will be followed up by the continuous input from the Project Advisory Board (PAB) as well as through interviewing relevant organisations on the national level in several of the participating countries.

5.3 Analysis of the characterised stakeholders

Based on Table 2 a preliminary analysis of the characterised stakeholders has been performed. Interest and influence on the project of identified stakeholders was taken into account (as indicated in D8.9). As one can see in Chart 1, the largest group of identified stakeholders is in part 1 of the chart, i.e. they are the most interested in the project and the most influential in the field of project topic. This group (1) is constituted only by the interest-group community in different partners' countries (from Scandinavia, Germany, UK and Poland). They are key players that focus efforts on the project issues, involved in governance, able to influence on the decision making bodies, engaged and consulting regularly in the project.
The second group (2) in Chart 1 has an important influence but is poorly interested in the field of the project. We need to meet more their needs, engage and consult with them to try to increase their level of interest and aim to lead them into the right hand box (group 1). We have identified organisations from Sweden, Germany and Poland in this interest-group community.
The third group (3) includes the organisations that are highly interested in the project, but they have not enough influence / power to decide about the project. We have identified six organisations in this group so far, one from academic community (from Sweden), one from industry sector (also from Sweden) and four from interest-group community (one from Greece and three from Germany). We need to uphold their consideration and involvement, and consult on interest area. The main action towards this group is to keep them informed about the current issues of the project, especially in low risk areas (they are not decision-makers who have an influence on solving difficulties etc.). They can be potential supporters and goodwill ambassadors of the project.
Finally, the fourth group (4) of identified stakeholders contains Swedish and German organisations from the academic community and German industry sector body. Both their interest in the project and influence in the field are rather poor. We should increase their participation and importance in SUITCEYES, inform via general communications like project newsletter, website etc., and aim to lead them into the right hand box (third group of stakeholders).

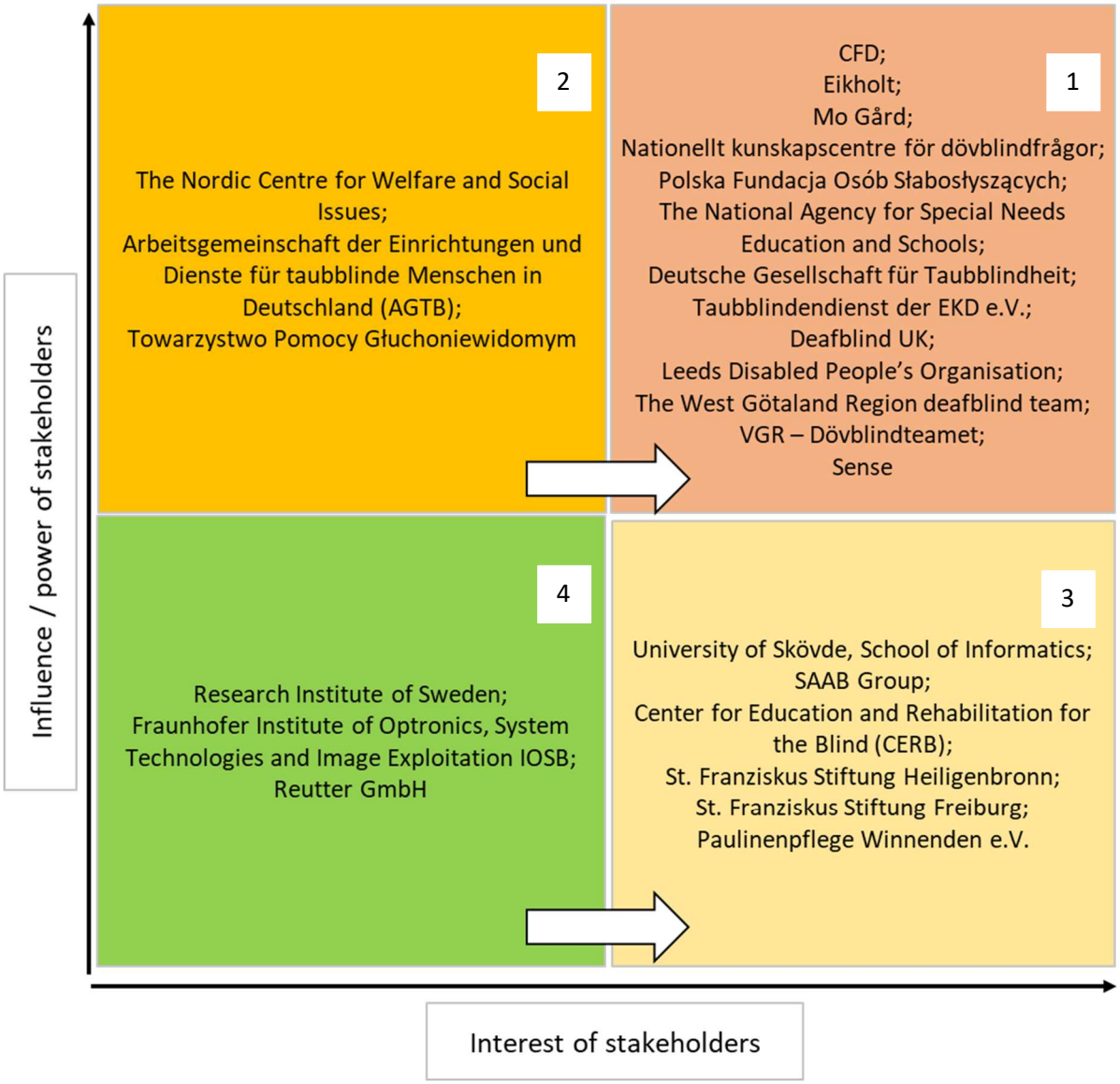


Chart 1. Stakeholders' analysis according to interest and influence on the project

The above analysis shows that the most engaged type of stakeholder in the project is the interest-group community. It can result from the current stage of the project – we don't have yet enough scientific results to stimulate researchers from similar areas of activity (academic community). The design and production of the HIPI prototype is in the initial stage (first generation prototype is going to be available and tested in M18, second generation in M24 and third one in M34). Throughout the development of the project, it is expected to augment the number of identified and characterised stakeholders from different countries and target audiences. Regarding the already identified stakeholders, their engagement and interest in the project is expected to evolve as mentioned in the analysis.

6. Dissemination Activities

According to the detailed dissemination plan (D8.9) all dissemination activities were divided on developed and planned activities. This section summarizes all developed actions performed in M1-M12 and known planned actions to be done in the next period of the project. Moreover, the role of SUITCEYES partners in dissemination activities is mentioned.

6.1 Role of partners in dissemination activities

Every SUITCEYES partner constitutes an important player in dissemination activities. The expertise and specialisation of each partner enriches all project activities, including those related with dissemination and engagement of stakeholders. All partners contribute actively in the development and reporting of dissemination activities, all being aware of the importance of such activities for the common aim of the project. Moreover, the roles of all partners were divided clearly from the beginning of the project. HARPO and LDQR lead the dissemination issues within the project and have managed to work in a positive and complementary fashion.

Monthly WP8 meetings (mentioned in the section 4) are in place, being the scenario to discuss the topics related to the dissemination activities, stakeholders and KPIs with different partners. The main partners that participate in these meetings and their roles are as follows:

- HARPO: Leader of the WP8 and chair of the meetings;
- LDQR: Administrator of social networks and designer of publicity materials;
- HSO: Administrators of the project website;
- Representatives of the Project Management Team;
- Other partners depending on the articular issues being discussed.

The main activities developed in these meetings:

- Discuss dissemination strategies;
- Discuss information accessibility issues;
- Summarise of the up-to-date information about dissemination activities and KPIs from all partners;
- Status of deliverables in WP8.

Moreover, every scientific partner of the SUITCEYES project is a very important link in the process of dissemination of the project results taking part in the scientific conferences and events, and publishing the research results in the various journals. Every WP leader can conduct dissemination activities like press releases (e.g. newspaper articles, radio, TV), academic dissemination (journal publications, meetings, conferences), workshops or demonstrations.

Furthermore, SUITCEYES has already established an important network of contacts with several organisations in different countries that at a national level deal with issues of deafblindness. The idea for this project was indeed born in dialogue with a few members active in these organisations; members who have supported the development of this project throughout and when needed have provided the project members with valuable information, feedback and advice. While due to their assignment, these organisations cannot become a beneficiary in the project, they intend to closely follow the progress of the project and are helpful in the dissemination of the findings and even adoption of the results in due course.

6.2 Developed dissemination activities

A list of dissemination activities that were developed during the first year of the project's lifetime is presented in Table 3 (see also http://suitceyes.eu/category/official-events/). Partners also regularly give presentations in scholarly and popular scientific events. Other relevant national and international conferences are also targeted.

Table 3. Developed dissemination activities

Dissemination method / Activity	Description of the dissemination activity (Name, date, place, URL)	Target audiences and number of persons reached
Academic dissemination - Events (meetings, symposiums, conferences) / Symposium organised by the project	**Symposium "From touch to cognition" Improving Communicative Experiences of Deafblind Persons:** http://suitceyes.eu/wp-content/uploads/2018/01/SUITCEYES-Symposium-From-Touch-to-Cognition.pdf, Borås, 17-19 January 2018.	Academic and interest-group communities. Audience 50 persons.
Academic dissemination - Events (meetings, symposiums, conferences) / TYGIEL conference 2018	10th Interdisciplinary scientific **conference "Interdisciplinarity is the key to development"**, HARPO's presentation **"Smart textiles for persons with deafblindness – exploitation of R&D results":** http://www.konferencja-tygiel.pl/ and http://suitceyes.eu/2018/03/21/suitceyes-at-the-tygiel-conference-in-poland/, Lublin, 17-18 March 2018.	Academic community. The event was attended by 688 participants representing 82 scientific units from all over Poland. Among them were representatives of medical, natural, exact sciences, humanities, technical and art.
Academic dissemination - Events (meetings, symposiums, conferences) / West Sweden Communication Carnival	Keynote speech in the **"Västsvenska kommunikations-karnevalen"**, An University of Borås' presentation based on SUITCEYES regarding the possibilities of textiles as a haptic interface: http://goteborg.se/wps/wcm/connect/5c769412-dbc8-4bc1-b5a1-9398c1917e88/171212-004-130+V%C3%A4stsvenska+kommunikationskarnevalen+2018+webb_uppslag.pdf?MOD=AJPERES&kommunikationskarneval%20Dalheimers%20hus and http://suitceyes.eu/2018/05/09/communication-carneval-vastsvenska-kommunikationskarnevalen/, Gothenburg, 7-8 May 2018.	Academic community, industry sector and interest group community. Audience 400-500 persons.

Academic dissemination - Events (meetings, symposiums, conferences) / Pint of Science Festival	Presentation of SUITCEYES project at the **Pint of Science Festival**, providing an overview of the project and demonstrating the first iteration of controller units in thermal and vibrotactile modes: https://pintofscience.co.uk/event/harder-better-faster-stronger, Leeds, 14-16 May 2018.	Academic and interest-group communities. Audience: 30 persons.
Academic dissemination - Events (meetings, symposiums, conferences) / International Electrotechnical Commission (IEC) Technical Committees (TC) 100	Presentation of SUITCEYES project at **the IEC TC 100 workshop:** http://tc100.iec.ch/about/meetings/meetings.htm and http://suitceyes.eu/2018/05/25/standardisation-meeting-22-may-2018/, Brussels, 22 May 2018 organised by TC 100 AGS (Advisory Group on Strategy).	Academic community, industry sector and interest-group community. Audience: 30 persons.
Academic dissemination - Events (meetings, symposiums, conferences) / EuroHaptics 2018 conference	Presence of two project members on the **EuroHaptics 2018** conference: http://eurohaptics2018.org/, Pisa, 13-16 June 2018.	Academic community and industry sector.
Academic dissemination - Publications (journal articles, chapters, books) / PETRA 2018 conference	Accepted peer review full paper presented at the interdisciplinary **conference PETRA: ACM PErvasive Technologies Related to Assistive Environments**: https://portalparts.acm.org/3200000/3197768/fm/frontmatter.pdf?ip=217.168.142.66 and http://suitceyes.eu/2018/07/03/a-suitceyes-paper-presented-at-the-petra-2018-conference/, Corfu, 26-29 June 2018. [PETRA conference focuses on computational and engineering approaches to improve the quality of life and enhance human performance in a wide range of settings, in the workplace, at home, in public spaces, urban environments, and other.]	Academic community, industry sector and interest-group community. The conference was attended by a few hundred people and the SUITCEYES presentation had about 30 people of audience.
Academic dissemination - Events (meetings, symposiums, conferences) / Seminar day and	**Seminar day and workshops during the first day of SUITCEYES consortium meeting in Leeds:** http://suitceyes.eu/2018/10/09/consortium-meeting-in-leeds/. Invited organisations: Leeds Disabled People's Organisation, School of Law of University of Leeds, Deafblind UK, University of	Academic community and interest-group community. Invited guests: 5. All participants: about 30.

workshops organised by the project	Leeds, 10-11 July 2018.	
Academic dissemination - Events (meetings, symposiums, conferences) / Visitation of The Royal Swedish Academy of Science and the University of Borås	Presentation of SUITCEYES as a main point of the program for high profile group of **visitors from The Royal Swedish Academy of Science**: https://www.hb.se/Om-hogskolan/Aktuellt/Nyhetsarkiv/2018/Augusti/Ministrar-och-Akademien-pa-besok/ and http://suitceyes.eu/2018/10/31/presentation-of-suitceyes-to-members-of-the-royal-swedish-academy-of-sciences/ and http://suitceyes.eu/2018/08/24/presentation-of-suitceyes-to-members-of-the-royal-swedish-academy-of-sciences/, University of Borås, 22 August 2018.	Academic community. Audience: 20 persons. Although not a peer reviewed scholarly event, the audience was a group of top Swedish scientists/ humanities scholars and part of one of the most prestigious and important institutions in Sweden (i.e. the organization that selects the Nobel prize winners in scientific areas).
Academic dissemination - Events (meetings, symposiums, conferences) / CBMI conference	Presentation of conference paper at the **International Conference on Content-Based Multimedia Indexing (CBMI)**, Special Session on Analysis of Multimedia Data for Medicine and Health: http://cbmi2018.univ-lr.fr/conference-program/, La Rochelle, 4-6 September 2018.	Academic community. Audience: 50-60 people.
Publicity material – Poster / Book and Library Fair	Presentation of the project at HB's stand at the **Swedish Book and Library Fair**: https://goteborg-bookfair.com/ and http://suitceyes.eu/2018/10/30/suitceyes-presented-at-the-book-fair-goteborg-sweden-2018-09-27/, Gothenburg, 27-30 September 2018. While using the poster as a basis for the presentation, leaflet and flyers were handed out and conversations were had with the visitors.	Academic community, industry sector and interest-group community. The Book and Library Fair typically attracts around 100 000 people each year, therefore it was an opportunity to come in contact with all sorts of visitors, from interest groups, academics, potentially related industries, and general public.
Academic dissemination - Events (meetings, symposiums, conferences) / ATAAC 2018	Participation in the poster session, presenting SUITCEYES poster and disseminating promotional materials (leaflets, flyer) during **Assistive Technology and Communication. Conference on the Advanced Technology for People with Disabilities**: http://www.ataac.eu/ and	Academic community, industry sector and interest-group community. Audience: about 1000 persons, 35+ speakers, 10+

conference	http://suitceyes.eu/2018/10/22/suitceyes-in-zagreb/ and http://www.harpo.com.pl/harpo-na-konferencji-ataac-w-zagrzebiu/, Zagreb, 17-19 October 2018.	countries.
Academic dissemination - Events (meetings, symposiums, conferences) / 7th ICEVI European Conference	Representation of SUITCEYES as a keynote speaker during **7th ICEVI European Conference on Psychology and Visual Impairment**: http://www.keat.gr/index.php/gr/%CE%BD%CE%AD%CE%B1-%CE%BA%CE%B1%CE%B9-%CE%B1%CE%BD%CE%B1%CE%BA%CE%BF%CE%B9%CE%BD%CF%8E%CF%83%CE%B5%CE%B9%CF%82/113-icevi/, Thessaloniki, 01-02 November 2018.	Academic community, industry sector and interest-group community. Audience: 60 people.
Academic dissemination - Events (meetings, symposiums, conferences) / (Nie)zależność (Eng. (In)dependence) 2018 conference	Organising the stand with the promotional materials of the project during **(Nie)zależność / (In)dependence conference; VIII meetings of Na Tak association**: http://www.natak.pl/konferencja/aktualnosci.html and http://suitceyes.eu/2018/11/12/suitceyes-on-na-tak-conference-in-poznan/, Poznań, 09-10 November 2018.	Academic community, industry sector and interest-group community. Audience: 500 people.

6.3 Planned dissemination activities

A list of dissemination activities and others that are already planned and confirmed to take place at specific times is presented in Table 4.

Table 4. Planned dissemination activities

Dissemination method / Activity	Description of the dissemination activity (Name, date, place, URL)	Target audiences and number of persons to be reached
Academic dissemination - Events (meetings, symposiums, conferences) / ATIA 2019 conference	Participation and dissemination of promotional materials during **Assistive Technology Industry Association (ATIA) Conference**: https://www.atia.org/conference/, Orlando, Florida, 30 January-02 February 2019.	Academic community, industry sector and interest-group community. Number of persons – to be estimated.
Academic dissemination - Events (meetings, symposiums, conferences) / CSUN 2019 conference	Presentation of SUITCEYES, submission of the paper to Journal on Technology & Persons with Disabilities, dissemination of promotional materials during **California State University Northridge (CSUN) Assistive Technology Conference**:	Academic community, industry sector and interest-group community. The conference draws more than 4,500 persons

	http://www.csun.edu/cod/conference/2019/sessions/index.php/, Anaheim, California, 11-15 March 2019.	annually who attend sessions, visit the exhibit halls, and participate in affiliate meetings and informal gatherings.
Academic dissemination - Events (meetings, symposiums, conferences) / Nordic Network on Disability Research conference 2019	Participation of University of Leeds. Plan to put in one or two abstracts connected with SUITCEYES during **Nordic Network on Disability Research** conference: http://www.nndr2019.org/, Copenhagen, 08-10 May 2019.	Academic community. Number of persons – to be estimated.
Academic dissemination - Events (meetings, symposiums, conferences) / SightCity 2019	Organising the stand with the promotional materials of the project during **SightCity Frankfurt, International Trade Fair for Aids for Visually Impaired**: http://www.sightcity.net/en/, Frankfurt, 08-10 May 2019.	Industry sector and interest-group community. Number of persons – to be estimated

7. Dissemination Methods and Communication

SUITCEYES implements a comprehensive communication plan to ensure high visibility, maximizing the impact of results. Many activities will be campaign-based, exploiting multiple channels, based on the following principles:

1) Define measurable objectives;
2) Identify target groups and develop main message;
3) Select communication channels (dissemination methods) and set up schedule;
4) Run the campaign/action and assess impact through appropriate indicators.

Dissemination methods concerning different target audiences have been developed since the beginning of the project. According to Table 5 in D8.9, dissemination methods in SUITCEYES are divided in: website, general social networks, specialised social networks, flyer, video, published e-documents, press releases, academic dissemination, workshops/demonstrations, newsletter, production of a "white paper". These elements are part of the SUITCEYES communication plan. In the subsections below, dissemination methods used during the first year of the project are described.

SUITCEYES follows a variety of means to communicate the project concept and results to a wider public. It is designed to be in permanent contact and exchange with scientific, industrial, social and political actors at large. To guarantee high visibility and recognisability, the visual identity of the project is permanently evolving as reported in detail in *D8.2 Define project identity I* (in M3) and *D8.3 Define project identity II* (in M9).

7.1 Project website

The main dissemination tool for the project is its webpage. It can be assumed that almost every interested person in the issues of the project visits http://suitceyes.eu/ first. Providing a first impression of the project, it is very important to have an appealing and accessible design to show the updated information about the project, its results, dissemination activities, within other information of interest.

The target audience visiting the project website can come from the academic community, industrial sector, interest-group community, general public, and policy-/decision makers. Therefore, the range of visitors is very wide. Our aim is to increase project awareness, share information, engage our audiences and promote our activities. The number of website visitors is one of the KPIs followed by the SUITCEYES partners regularly. Due to the influence of the SUITCEYES webpage, it is updated regularly. The structure and sections of the website are presented in Figures 1-2.

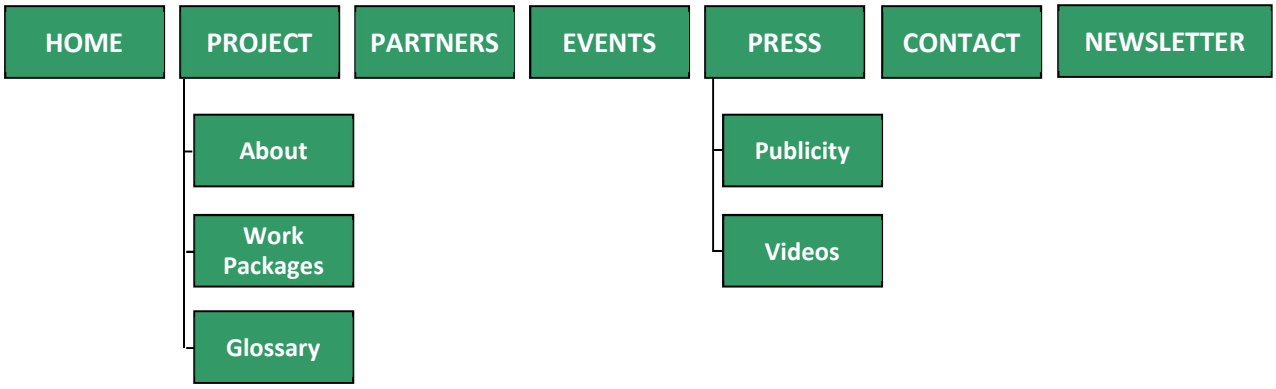


Figure 1. Structure of SUITCEYES website

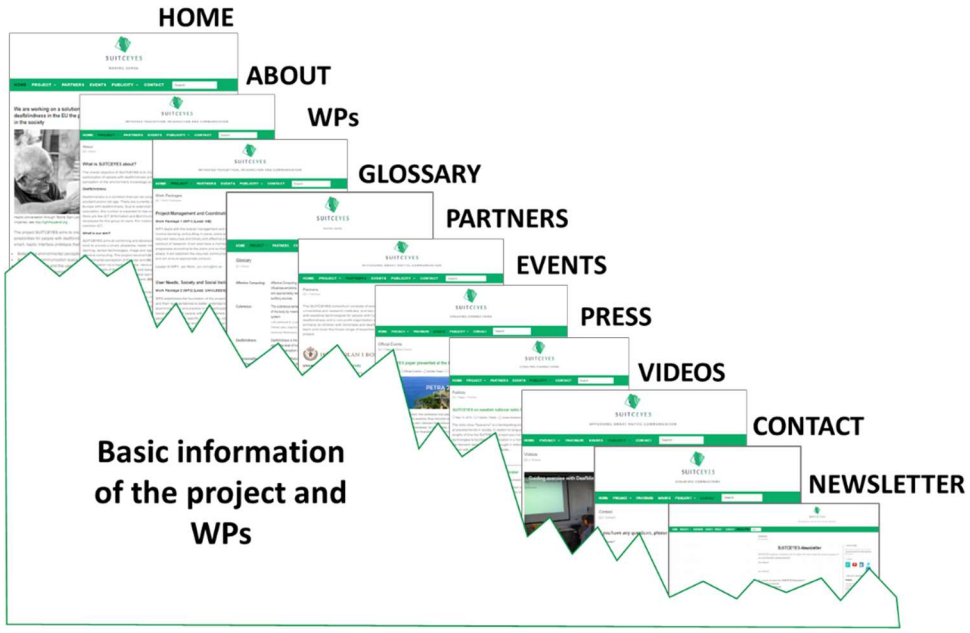


Figure 2. Content of the SUITCEYES website

A short summary with the description of each section of the SUITCEYES website is presented in Table 5.

Table 5. Description of each section of the SUITCEYES website

Section of website	Description
HOME	This tab contains the general information about the project aims, number of people with deafblindness, project partners, project volume and duration, and links to the social media.
PROJECT → About	This tab includes more adequate information about the SUITCEYES, deafblindness, our aims, HIPI solution, explains how garments can be a communication interface, describes possible extensions and informs about the project's funding.

PROJECT → Work Packages	This subsection summarizes the aims, responsibilities and main tasks of all work packages (WP1-WP8). Contact data for every WP leader is also provided.
PROJECT → Glossary	This tab makes available and explains the main terms concerning the project, deafblindness and technical aspects of it.
PARTNERS	'Partners' section introduces in the SUITCEYES consortium that it consists of seven European partners, five from universities and research institutes, and two non-academic partners: an SME working with assistive technologies for people with functional disabilities including deafblindness and a non-profit organisation providing haptic books and services primarily to children with blindness and deafblindness. Every partner is described in this section. The logotype and contact data for each of them is emphasized.
EVENTS	This tab summarizes all activities of partners connected mainly with the academic dissemination such as participation in the conferences, meetings, symposia where the SUITCEYES idea and results were presented. This section also shares with the project achievements in the form of publications in journals.
PRESS → Publicity	In this section press releases (like newspaper articles, radio and TV news) introducing SUITCEYES in the partners' countries are listed. Moreover, this tab presents the information about the new accounts of SUITCEYES on social media like Twitter, Research Gate, LinkedIn etc.
PRESS → Videos	The one of newest tab on the project website is 'Videos'. It presents the videos from the researches, symposia, project meetings etc. which are strictly connected with the recent results and events of SUITCEYES. These videos are also available on the YouTube channel of SUITCEYES.
CONTACT	This tab contains the contact form which requires to complete name, email, subject and message content by the person who is interested in asking or making contact with the SUITCEYES consortium.
NEWSLETTER	This tab contains the electronic form useful if somebody would like to subscribe or unsubscribe the project newsletter. Below there is the current version of the newsletter. More information about it is described in section 7.10 below.

Our project website is adapted for users with visual disabilities. It is equipped with an Accessibility Menu (Figure 3), which allows using keyboard navigation, big cursor, contrast of the website, bigger text, desaturate, highlight links, legible fonts, or read page. All these facilities are intended to favour the use of the site by users with deafblindness. This issue will be discussed more precisely in separate *D8.4 Define the project identity III* (in M15).

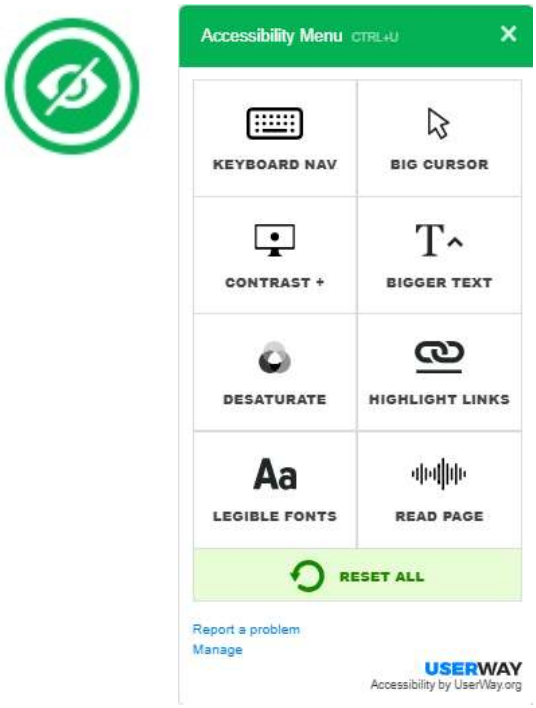


Figure 3. Accessibility Menu on the SUITCEYES website

We also monitor the statistics from the project website including the number of visits, duration of visits, actions, time of generation, left after one page and countries using Google Analytics. In Chart 2 the graph with the number of users, number of sessions, bounce rate and average session duration from the beginning of project is presented.

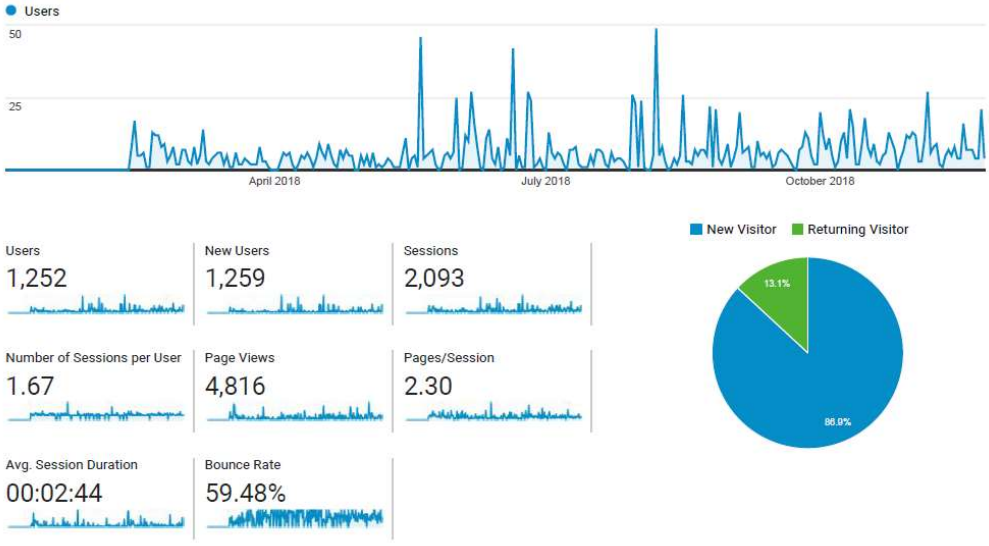


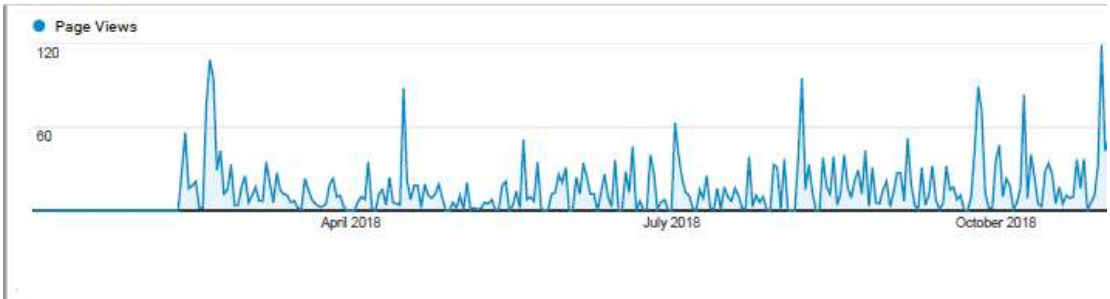
Chart 2. Google Analytics Home of SUITCEYES with the number of users, sessions, bounce rate and session duration

In this period of time we had 1259 new users, 2093 sessions, 59,48% of bounce rate and average session duration at about 2m 44 s.

This analytical tool also responds on the question where are our users. For example, from the beginning of project the largest number of users was in Sweden and France (18%), next in United Kingdom (13%), Poland and Germany (9%) (see Chart 3 below).

Chart 3. Sessions by countries from the beginning of project

It is also worth underlining that users from Denmark, United States, China, Japan, India, Norway, Romania and Austria visit our project website (not only the users from our partners' countries).
We also know what are the most interesting categories of information on our website. The users visit the most frequent the homepage (1903 page-views from the beginning of project). Although visitors can leave just after opening the homepage, this section contains enough information to have an overview of the project (general information about the project, project aims, number of people with deafblindness, project partners, project volume and duration, and links the projects social networks). The number of visits to specific sections is presented in Chart 4.



Page	Page Views	Unique Page Views	Avg. Time on Page	Entrances	Bounce Rate	% Exit
	4,716 % of Total: 100.00% (4,716)	3,617 % of Total: 100.00% (3,617)	00:02:02 Avg for View: 00:02:02 (0.00%)	2,027 % of Total: 100.00% (2,027)	59.93% Avg for View: 59.93% (0.00%)	42.98% Avg for View: 42.98% (0.00%)
1. /	1,903 (40.35%)	1,508 (41.69%)	00:02:22	1,462 (72.13%)	55.61%	55.28%
2. /project/	476 (10.09%)	334 (9.23%)	00:01:52	98 (4.83%)	70.71%	38.45%
3. /category/official-events/	442 (9.37%)	257 (7.11%)	00:01:43	53 (2.61%)	34.00%	22.17%
4. /partners/	369 (7.82%)	277 (7.66%)	00:01:58	46 (2.27%)	53.06%	33.88%
5. /category/publicity/	328 (6.96%)	206 (5.70%)	00:01:13	23 (1.13%)	31.82%	14.33%
6. /work-packages/	185 (3.92%)	165 (4.56%)	00:03:08	29 (1.43%)	89.66%	49.73%
7. /contact/	146 (3.10%)	127 (3.51%)	00:00:47	33 (1.63%)	70.59%	40.41%
8. /index.html	100 (2.12%)	100 (2.76%)	00:00:00	100 (4.93%)	100.00%	100.00%
9. /glossary/	62 (1.31%)	57 (1.58%)	00:01:13	12 (0.59%)	66.67%	22.58%
10. /videos/	55 (1.17%)	42 (1.16%)	00:02:26	10 (0.49%)	75.00%	52.73%

Chart 4. Pages visited by SUITCEYES users

These statistics will be analysed on a regular basis during the WP8 meetings as an important input to plan and update dissemination strategies.

7.2 General social networks

Attracting media attention is, of course, very useful for commercialization and advertisement at later stages of a project, but also in the beginning attracting the publics' interest is an important indicator. If a project is widely known, potential users, stakeholders or contributors have more possibilities to get in touch and contribute to project's progress by taking part in studies, giving advice or expressing ideas and wishes. Commonly used social networks are very valuable to spread information to a wide audience.

SUITCEYES follows a variety of means to communicate the project concept and results to a wider public. It is designed to be in continuous contact and exchange with social and political actors at large. Social networking sites such as Twitter (Figure 4) and YouTube channel (Figure 5) enhance dissemination towards the general public.

This source of contact is directed mainly to interest-group community, general public and policy/decision makers. Although it is open to all audiences, it should address mainly the interest-group community and the general public. The main aims of the general social media are raising awareness and informing about the project, its activities and recent results of the public.

- TWITTER: https://twitter.com/suitceyes?lang=en

Figure 4. Screenshot of the SUITCEYES project on the TWITTER profile

SUITCEYES (@suitceyes) joined Twitter in February 2018. The main idea of this account is to inform the public about coming events, publish announcements and report done activities related to the project.

Twitter is fashionable among the elites and eagerly used by public figures, including by politicians, diplomats, publicists and journalists. Newspapers, magazines, state institutions, companies, medical centres, celebrities, etc. also have Twitter profiles. The possibility of using posts on Twitter as a source of sociological data is also tested. SUITCEYES also collects information from its Twitter profile regarding the number of followers and the number of tweets that are included as one of the key indicators (KPIs) of the dissemination process at SUITCEYES (see in point 8.2). Therefore, Twitter has become a powerful source of information and can be a very valuable tool in spreading information about our project.

- YOU TUBE: https://www.youtube.com/channel/UCjc0rhlZ8S4THWdUuqtBc0Q

Figure 5. Screenshot of the SUITCEYES project on the YOU TUBE channel

The SUITCEYES YouTube channel includes all videos that present recent results, the symposia, meetings etc. First videos of SUITCEYES were posted in June 2018. Now 4 videos (Figures 6-9) presenting SUITCEYES activities are available on our channel (exchanged in order from the last to the first posted):

- *Guiding exercise with DeafblindUK* – published 20 July 2018.
  This video was made during the first day of consortium meeting in Leeds (10 July 2018) where we visited, among others, the member of Deafblind UK. During this workshop we were given the opportunity to learn the first steps in correctly leading a person with deafblindness. For this exercise, we all took turn to lead or wear blindfolds and earmuffs while walking through obstacles, making 180 degree turns, navigating through narrow spaces and so on. It was a very useful and insightful exercise.

Figure 6. Screenshot of the *Guiding exercise with DeafblindUK* video on the YOU TUBE channel of SUITCEYES

Video's caption:
"Graham Nolan from DeafblindUK took us in a theoretical and practical journey into the universe of deafblindness.
Here we share a glance of the "guiding exercise" we conducted. Thank you Graham for sharing your knowledge and experience!

www.deafblind.org.uk
www.suitceyes.eu

This project receives funding from the European Union's Horizon 2020 Research & Innovation Programme."

❖ *Example of object recognition* – published 8 June 2018.

Figure 7. Screenshot of the *Example of object recognition* video on the YOU TUBE channel of SUITCEYES

Video's caption:
"*This video demonstrates detection and tracking of objects from a chest-mounted camera using an algorithm that combines a deep CNN detector and motion tracking in a unified system. The bounding boxes were visualised using separate colours for each class accompanied with a level of the system's certainty.*

Acknowledgement:
Original video taken from Dem@Care dataset: http://www.demcare.eu/results/datasets"

❖ *Haptic communication* – published 8 June 2018.

Figure 8. Screenshot of the *Haptic communication* video on the YOU TUBE channel of SUITCEYES

Video's caption:
"*Linda Ericsson's presentation at the symposium - From Touch to Cognition, held at University of Borås 17 January 2018*
EU funded project SUITCEYES"

- *Creating possibilities: challenges and solutions for children with deafblindness* – published 8 June 2018.

Figure 9. Screenshot of the *Creating possibilities: challenges and solutions for children with deafblindness* video on the YOU TUBE channel of SUITCEYES

Video's caption:
"*Thomas Ragnarsson's presentation at the symposium - From Touch to Cognition, held at University of Borås 17 January 2018*
EU funded project SUITCEYES"

The YouTube site allows to post, play streaming, rate and comment on SUITCEYES videos. YouTube has enabled everyone who has access to the Internet to post movies available to audiences from around the world. The wide range of topics covered by YouTube videos has made Internet videos one of the most important parts of Internet culture. It is also an excellent source of advertising and attracting recipients who thanks to posted videos about SUITCEYES can get interested in the project and its future results. We can also follow the interest in the project thanks to the apparent number of views of our videos.

7.3 Specialised social networks

Social networks are addressing a more specific audience, which offers the opportunity to also disseminate detailed technical and methodological information to professionals and experts. To facilitate networking within the academic audience, specialised social networks such as ResearchGate (Figure 10) and Affective&Cognitive Institute (Figure 11) are now used in SUITCEYES. To interest branch and industrial organisations, an account on LinkedIn has been also recently created (Figure 12).

The target audience of this kind of social networks are mainly the academic community and industrial sector, but can also be the interest-group community. The main purpose of the specialised social networks is to improve the awareness of recipients in the fields of project, inform and engage these audiences, and promote the project and its scientific results. It can be used to disseminate

more detailed and technical information about the project than that disseminated via the general social media described in the previous subsection.

- RESEARCH GATE: https://www.researchgate.net/project/SUITCEYES-Empowering-Deaf-Blind-Persons

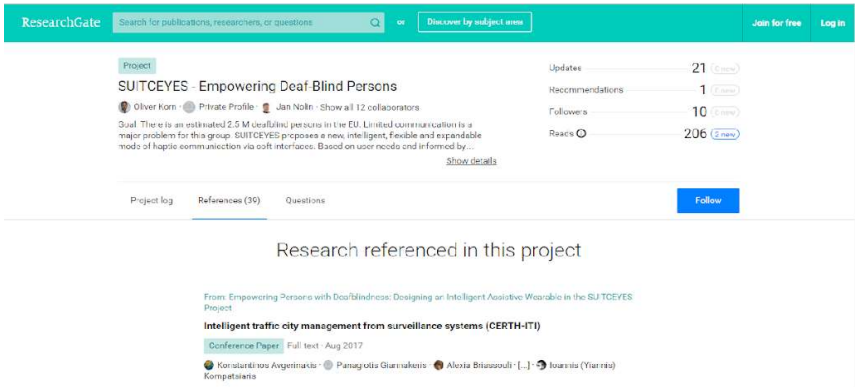


Figure 10. Screenshot of the SUITCEYES project on the RESEARCH GATE profile

ResearchGate is an international, free social network service, addressed mainly to scientists of all disciplines. Users creating their private profile (like SUITCEYES) have the opportunity to publish their own scientific papers, lectures, papers and articles. The first conference work of SUITCEYES partners (from PETRA 2018 conference) has been made public on the ResearchGate profile. It also has many features specific to social networking sites: the ability to exchange messages on the web, maintain contacts with other users on internet forums, create a blog and participate in virtual discussion groups. Many scientific organizations, including the SUITCEYES project partners, use the ResearchGate platform as a tool for communication between their members.

When searching for scientific literature, Internet users can use different databases. ResearchGate also enables independent archiving of texts (Self-Archiving), use of a virtual library (Virtual Library), and creation of so-called Microarticles, or abstracts up to 306 words. In addition, users use the Similar Abstract Search Engine (SASE) application, which performs semantic analysis of the selected abstract in order to find related articles. It is therefore a very useful tool, especially for the scientific partners of SUITCEYES.

- AFFECTIVE & COGNITIVE INSTITUTE: https://affective-lab.org/suitceyes/

Figure 11. Screenshot of the SUITCEYES project on the AFFECTIVE & COGNITIVE INSTITUTE

Offenburg University (HSO) as an administrator of specialised social networks, is also responsible for Affective and Cognitive Institute (ACI) profile. The ACI is a cross-faculty institution of the HSO headed by Prof. Dr. Oliver Korn, one of the Project Management Board member. In the ACI the members are developing and evaluating context-aware interactive solutions in the fields of health, education and work. Major work areas are:

- emotion recognition & affective computing
- playful enrichment of interactions and gamification
- assistive technologies & augmented reality
- social robots.

It is strict connected with the SUITCEYES topic.

Methodologically, the ACI stands for consequent user-centered design and development. In an agile process, with several iterations, solutions are adjusted to the wishes and needs of the users and other stakeholders.
This is especially important in the fields of assistive technologies and social robots as they have a high impact on everyday life and ideally should simplify and augment it. Therefore, HSO is also aiming to give interaction a playful character (e.g. by gamification), what is also a part of SUITCEYES WP7 Gamified and Social Interaction.

The ACI is an application-oriented institution also strong in research. Further, it is partner in several national and international research projects. It participates in qualitative and quantitative studies in each iteration of the agile process. Often, these studies include physiological data, e.g. by measuring skin-conductance or facial expressions to recognise emotions, mood and stress. It can be very valuable and useful in WP7 tasks of SUITCEYES. Thanks to the ACI various scientists are able to know more about the idea of SUITCEYES and can follow, and maybe use the scientific results of our project in the future. They also can exchange their own experiences in various projects covered by the idea of ACI.

- LINKED IN: https://www.linkedin.com/company/suitceyes-project-h2020/

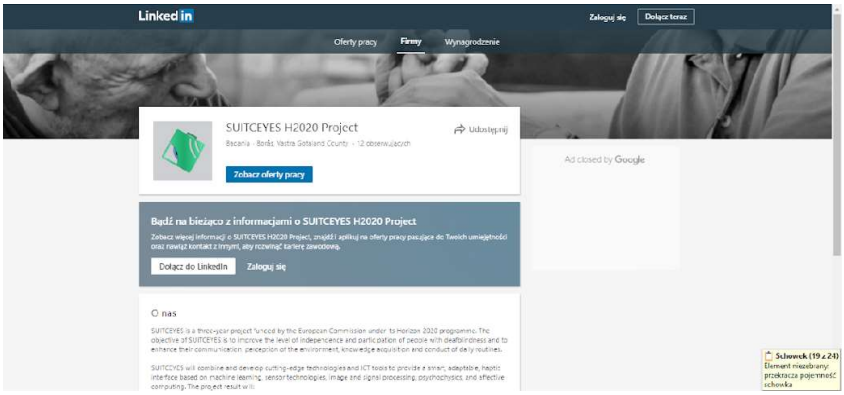


Figure 12. Screenshot of the SUITCEYES project on the LINKED IN

LinkedIn is an international social networking service specializing in business and professional contacts. It is intended primarily to make contacts. The strength of this portal is huge and it is undoubtedly a good way to find stakeholders among various social groups, and it is currently one of the most professional forms of presenting the project. Besides, it's worth being active here and presenting information about the project, what we do and what our capabilities are. This is a new social activity of SUITCEYES (see Figure 12), but we intend to update our profile on a regular basis, provide information on the current progress of the project, our news and speak on it and activate our experts to do so.

A profile on LinkedIn is currently one of the most professional, reliable and free opportunities to present the project to potential stakeholders mainly in the industrial sector, but also for end users and the academic community.

7.4 Publicity materials (poster, leaflet, flyer)

The first SUITCEYES promotional material, including the poster, leaflet and flyer, was presented in D8.8 (submitted in M6) and in D8.3 (submitted in M9). The conception and design process were described, including the design criteria, sizes and formats, and key contents and messages.
The attractive and visually engaging form of these materials should interest the general public, but also the academic community, industrial sector and interest groups. The number of brochures disseminated is also one of the KPIs followed regularly by the consortium partners in their dissemination activities.
The promotional materials developed and distributed so far in SUITCEYES are:

- POSTER: available in two sizes, A3 (29.7 by 42cm) and A1 (59.4 by 89.1cm)
- LEAFLET: size A4 (21 x 29.7cm - letter page size)
- FLYER: size A5 (21 by 14.9cm).

7.5 Video

The video introducing the project can enable dissemination to interested academic community, industrial sector, interest-group community, relevant segments of the general public and policy/decision makers. So far the videos from our workshops, symposia and experiments are published both on our YouTube channel and the public website of the project (see subsections 7.1 and 7.2 above). Indicators like number of clicks and views of these videos are monitored.
The general video introducing the project will be produced and published both on YouTube and the public website of the project. This will enable dissemination to interested researchers, stakeholders and relevant segments of the public (measurable indicator: number of clicks and views).

7.6 Published e-documents

E-documents can be published electronically in an appealing format and may include public deliverables, publishable summaries of EC reports and policy briefs (indicator: number of downloads). Target audiences that may be interested in them can be academic community, industrial sector and interest-group community. The purpose of such e-documents is to inform the public on our project and its progress, and to promote our activities. Although these documents can contain specialised and technical information, the language should remain clear to a wide spectrum of stakeholders, for example different disciplines, decision/policy makers. Until such documents as public deliverables are accepted by the European Commission they will not be available on our project website.

7.7 Press releases

Research results and important news about the project are popularized through press releases at the relevant webpages, newspapers articles, radio, TV etc. All partners are committed to inform and promote the project and communicate about it to journalists, stakeholders and other segments of

the public. Main recipients of press releases can be all defined our target audiences: academic community, industrial sector, interest-group community, general public and policy/decision makers. General information about the project and non-specialised language is privileged in such press releases. Table 6 shows our hitherto published press releases to the present date. This information is also available on the SUITCEYES project website (http://suitceyes.eu/category/publicity/).

Table 6. Press releases of SUITCEYES (to M12)

Dissemination method	Date	Description of the dissemination activity: Name, place, website	Target audiences
News item: Webpage article	2017/09/05	"Research takes the deafblind out of the dark", University of Borås, http://www.hb.se/en/About-UB/Current/News-archive/2017/September/Research-takes-the-deafblind-out-of-the-dark/	Academic community Interest-group community
News item: Webpage article	2017/09/05	"Smarta kläder kan ta dövblinda ut ur mörkret", Forskning website, https://www.forskning.se/2017/09/05/smarta-klader-kan-ta-dovblinda-ut-ur-morkret/	Academic community Interest-group community
News item: Radio	2017/09/06	"Plagg ska ge dövblinda bättre kontakt med omvärlden", Sverigesradio, http://sverigesradio.se/sida/artikel.aspx?programid=406&artikel=6770486	Academic community Interest-group community
News item: Television	2017/09/08	"Smarta kläder kan ge dövblinda nya kommunikationsmöjligheter", SVT Nyheter, https://www.svt.se/nyheter/nyhetstecken/forskare-inom-ett-nytt-eu-projekt-ska-ta-fram-en-prototyp-av-smarta-textilier	Interest-group community General public
News item: Webpage article	2017/09/12	"Smarta kläder talar om vad som händer", National Resource Centre for Deafblindness, http://nkcdb.se/smarta-klader-talar-om-vad-som-hander/	Interest-group community General public
News item: Radio	2017/09/14	Radio interview, P4 Sjuhärad radio station	Interest-group community General public
News item: Newspaper article	2017/09/14	"Forskning ska ta dövblinda ut ur mörkret", Göteborgs-Posten, https://web.retriever-info.com/go/?p=246424&x=42505f5627efbca11b3b30162202fb06&s=50802&d=0508022017091 43206846&a=31616&sa=2017172	Interest-group community General public
News item: Webpage article	2017/10/11	"Smarta kläder för dövblinda", Screen-marknaden webpage, http://www.screen-marknaden.se/2017/10/smarta-klader-for-dovblinda/	Interest-group community General public
News item: Newspaper article	2018/01/03	"Intelligente Kleidung für Taubblinde", Lahrer Zeitung, https://www.lahrer-zeitung.de/inhalt.offenburg-intelligente-kleidung-fuer-taubblinde.615d15e1-ffd2-43ff-8115-3de0b35fd94b.html	Interest-group community General public

News item: Webpage article	2018/01/04	"Odzież przekaże informacje głuchoniewidomym", Polish Press Agency, http://naukawpolsce.pap.pl/aktualnosci/news%2C27773%2Codziez-przekaze-informacje-gluchoniewidomym.html Reprints of PPA: https://www.facebook.com/NaukawPolsce/posts/1612269342153396, http://dobrewiadomosci.net.pl/21787-inteligentna-odziez-przekaze-informacje-gluchoniewidomym/, http://wdolnymslasku.com/2018/01/04/odziez-przekaze-informacje-gluchoniewidomym/, http://laboratoria.net/aktualnosci/28043.html, http://www.naukaonline.pl/news/item/4377-koszulka-powie-czego-nie-widzisz, http://www.mojasocjologia.pl/, http://www.stuffpolska.tv/artykuly/odziez-przekaze-informacje-gluchoniewidomym, https://www.przekrojgospodarczy.pl/artykuly/3659-odziez-komunikacja-dla-gluchoniewidomych, http://pion.pl/artykuly/styl-zycia/eksperci-projektuja-inteligentna-odziez-ktora-ulatwi-osobom-gluchoniewidomym-kom, http://naszesprawy.eu/projekty-programy/13784-odziez-przekaze-informacje-gluchoniewidomym.html, https://ewpl.com.au/odziez-przekaze-informacje-gluchoniewidomym/, http://rzeczo.pl/odziez-przekaze-informacje-gluchoniewidomym/, https://wolnemedia.net/gadajaca-odziez-dla-niewidomych/, https://otolaryngologia.mp.pl/aktualnosci/178565,odziez-przekaze-informacje-gluchoniewidomym	Interest-group community General public
News item: Newspaper article	2018/01/09	"Smarte Kleider für Taubblinde", Badische Zeitung, http://www.badische-zeitung.de/offenburg/smarte-kleider-fuer-taubblinde--147950184.html	Interest-group community General public
News item: Radio	2018/01/10	"Powstanie interaktywna odzież dla osób głuchoniewidomych", Polish National Radio, https://www.polskieradio.pl/9/5700/Artykul/1987079,Powstanie-interaktywna-odziez-dla-osob-gluchoniewidomych	Interest-group community General public
News item: Newspaper / Magazine article	2018/01	"Smarte Textilien Wie Taubblinde über Kleider ein Lächeln erkennen", Medicine &	Interest-group community General public

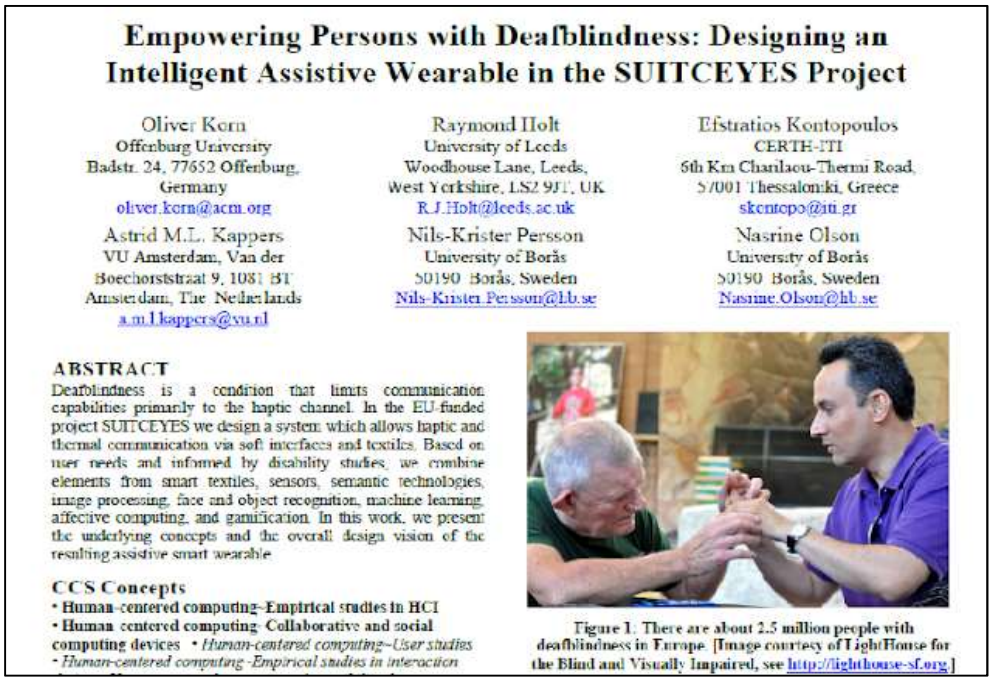
		Technology, http://www.konradin-service.de/pdfarchiv/specials/share/?show=bWVkfDIwMTgtMDAxXzk2fDE=	
News item: Newspaper article	2018/02/14	"Sinneswahrnehmung über die Kleidung", Badisches Tagblatt, http://suitceyes.eu/wp-content/uploads/2018/02/BT_Blick-ins-Land.pdf	Interest-group community General public
News item: Radio	2018/02/21	"Att leva med tre sinnen – om hur smarta textilier kan hjälpa dövblinda", Swedish national radio SR P1 (radio especial), http://sverigesradio.se/sida/avsnitt/1022706?programid=412	Interest-group community General public
News item: Webpage article	2018/03/16	"Smarta kläder som hör och ser", Voister (IT news Website), https://www.voister.se/artikel/2018/03/smarta-klader-som-hor-och-ser/	Interest-group community General public
News item: Newspaper article / Newsletter	2018/03-04	Presentation of the project and its key objectives “A smart garment for people with deafblindness” in CERTH’s bimonthly newsletter, which is received by at least 1000 people with academic and research background, https://www.certh.gr/dat/F72002AD/file.pdf	Academic community Interest-group community
News item: Radio	2018/05/04	The radio show “Spanarna”, Swedish national radio P1, https://sverigesradio.se/sida/avsnitt/1067413?programid=516	Interest-group community General public
News item: Newspaper / Magazine article	2018/05	Presentation of the EU-project SUITCEYES in the German journal 'Karger Kompass Ophthalmologie' vol. 2/18, “EU-Projekt: Smarte Kleider für Taubblinde”, https://www.karger.com/Article/FullText/488819	Academic community Interest-group community
News item: Webpage article	2018/10/26	“Harpo na konferencji ATAAC w Zagrzebiu”, HARPO website, http://www.harpo.com.pl/harpo-na-konferencji-ataac-w-zagrzebiu/	Academic community Industry sector Interest-group community General public
News item: Webpage article	2018/11/14	“Konferencja i wystawa “(Nie)zależność” w ramach VIII spotkania Na Tak już za nami!”, HARPO website, http://www.harpo.com.pl/konferencja-i-wystawa-niezaleznosc-w-ramach-viii-spotkania-na-tak-juz-za-nami/	Academic community Industry sector Interest-group community

7.8 Academic dissemination

One of the major impacts of SUITCEYES is the promotion of European scientific and technological leadership in the area of assistive technology. This will be achieved through a determined and varied dissemination of project results to the scientific community. We aim at a high number of scientific

publications in high-ranked peer-reviewed scientific journals. Whenever possible, open access to publications will be sought, either by publishing in open-access journals (like journals of the Public Library of Science, PLoS group) or by choosing the open-access option for the specific articles in traditional subscription journals.
Looking at the scientific impact of the project marks another independent indicator. The project will produce an extensive number of scholarly publications. An inventory of these as well as the development of the citation record will supply some indicators of scientific impact. These contributions can even go beyond the area of application of the project itself. If new cutting-edge technologies are presented, or new methods and theories are introduced, the research areas devoted to the understanding of people with deafblindness as well as research on assistive technologies can receive fundamental contributions through this project.
Academic dissemination in our opinion is related with publishing the scientific results in journals, organizing and participating in meetings and conferences. This kind of project activity is dedicated more to the academic community, but can also interest the industrial sector and the interest-group community. The importance of this activity is similar to the previous ones – we intend to inform and promote the results of our project. Therefore, peer-reviewed journals and European/international meetings are privileged to disclosure in detailed scientific results of the project. The indicators observed in academic dissemination are size of audience on the conferences and meeting, impact factor of journals, number of citations.
A summary of our activities in the field of academic dissemination is presented in section 6. These activities include participation in the conferences and meetings, and also organisation of symposia, workshops and meetings. When it comes to publications, so far the partners published the peer review full paper presented at the interdisciplinary conference PETRA 2018: ACM PErvasive Technologies Related to Assistive Environments, Corfu, 26-29 June 2018 (Figure 13):

Korn, O., Holt, R., Kontopoulos, E., Kappers, A.M.L., Persson, N.-K., Olson, N., Empowering Persons with Deafblindness: Designing and Intelligent Assistive Wearable in the SUITCEYES Project, PETRA '18 Proceedings of the 11th Pervasive Technologies Related to Assistive Environments Conference, p. 545-551, Corfu, Greece – June 26-29, 2018, DOI: 10.1145/3197768.3201541.



Empowering Persons with Deafblindness: Designing an Intelligent Assistive Wearable in the SUITCEYES Project

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ABSTRACT

Deafblindness is a condition that limits communication capabilities primarily to the haptic channel. In the EU-funded project SUITCEYES we design a system which allows haptic and thermal communication via soft interfaces and textiles. Based on user needs and informed by disability studies, we combine elements from smart textiles, sensors, semantic technologies, image processing, face and object recognition, machine learning, affective computing, and gamification. In this work, we present the underlying concepts and the overall design vision of the resulting assistive smart wearable.

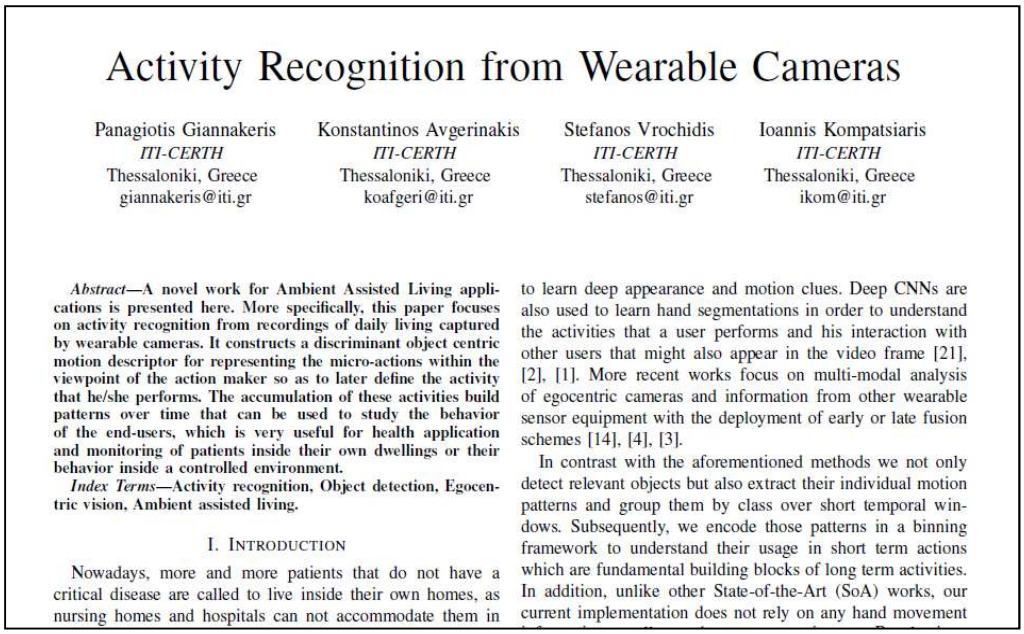
CCS Concepts

• Human-centered computing–Empirical studies in HCI • Human-centered computing–Collaborative and social computing devices • *Human-centered computing–User studies* • *Human-centered computing–Empirical studies in interaction*

Figure 1: There are about 2.5 million people with deafblindness in Europe. [Image courtesy of LightHouse for the Blind and Visually Impaired, see http://lighthouse-sf.org.]

Figure 13. Screenshot from the peer review full paper of SUITCEYES published at the PETRA'18 Proceedings of the 11th Pervasive Technologies Related to Assistive Environments Conference

Next, the partners from CERTH submitted the conference paper: Activity Recognition from Wearable Cameras, to be published in 16th International Conference on Content-Based Multimedia Indexing (CBMI) Proceedings, IEEE Xplore Digital Library, 978-1-5386-7021-7/18/$31.00 © 2018 IEEE, La Rochelle, France – September 4-6, 2018, DOI: 10.1109/CBMI.2018.8516553 (Figure 14).



Activity Recognition from Wearable Cameras

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***Abstract*—A novel work for Ambient Assisted Living applications is presented here. More specifically, this paper focuses on activity recognition from recordings of daily living captured by wearable cameras. It constructs a discriminant object centric motion descriptor for representing the micro-actions within the viewpoint of the action maker so as to later define the activity that he/she performs. The accumulation of these activities build patterns over time that can be used to study the behavior of the end-users, which is very useful for health application and monitoring of patients inside their own dwellings or their behavior inside a controlled environment.**

***Index Terms*—Activity recognition, Object detection, Egocentric vision, Ambient assisted living.**

I. Introduction

Nowadays, more and more patients that do not have a critical disease are called to live inside their own homes, as nursing homes and hospitals can not accommodate them in

to learn deep appearance and motion clues. Deep CNNs are also used to learn hand segmentations in order to understand the activities that a user performs and his interaction with other users that might also appear in the video frame [21], [2], [1]. More recent works focus on multi-modal analysis of egocentric cameras and information from other wearable sensor equipment with the deployment of early or late fusion schemes [14], [4], [3].

In contrast with the aforementioned methods we not only detect relevant objects but also extract their individual motion patterns and group them by class over short temporal windows. Subsequently, we encode those patterns in a binning framework to understand their usage in short term actions which are fundamental building blocks of long term activities. In addition, unlike other State-of-the-Art (SoA) works, our current implementation does not rely on any hand movement

Figure 14. Screenshot from the CBMI paper of SUITCEYES that will be published at the CBMI Proceedings, IEEE Xplore of the 16th International Conference on Content-Based Multimedia Indexing

Moreover, the partners submitted (4th of December 2018) the paper "Sensor technology, gamification, haptic interfaces in an assistive wearable" to be reviewed by the experts of Journal on Technology & Persons with Disabilities of the 34th CSUN Assistive Technology Conference.

The list of journals monitored by the SUITCEYES partners that are being examined for possible future dissemination activities of the project was invoked in submitted D8.9, point 4.1.

7.9 Workshops / Demonstrations

Organisation and participation in workshops and demonstrations is directed to our defined target audiences: academic community, industrial sector, interest-group community and policy/decision makers. The main purpose of this activity is to improve awareness of the recipients and stakeholders of SUITCEYES, to engage them in our activity and also to inform about the SUITCEYES, and promote our actions. Workshops and demonstrations are effective to disseminate and receive in detail feedback on the partial/final results or achievements of the project. Nevertheless, organisation of this kind of action always demands a careful definition of the purpose, target audience and methodology to assure a productive interaction with the participant audience.

Public sessions and workshops may be held at consortium meetings or in the frame of open days organized by partner institutions (indicators monitored: number of participants). So far the partners have organised two such events, summarized in Table 7.

Table 7. Workshops / demonstrations in SUITCEYES (M1-M12)

Dissemination method / Activity	Description of the dissemination activity (Name, date, place, URL)	Target audiences and number of persons reached	Relevance (high or low) of the activity for the project
Academic dissemination - Events (meetings, symposiums, conferences) / Symposium organised by the project	**Symposium "From touch to cognition" Improving Communicative Experiences of Deafblind Persons:** http://suitceyes.eu/wp-content/uploads/2018/01/SUITCEYES-Symposium-From-Touch-to-Cognition.pdf, Borås, 17-19 January 2018.	Academic and interest-group communities. Audience 50 persons.	High - related to the global objectives of the project
Academic dissemination - Events (meetings, symposiums, conferences) / Seminar day and workshops organised by the project	**Seminar day and workshops during the first day of SUITCEYES consortium meeting in Leeds:** http://suitceyes.eu/2018/10/09/consortium-meeting-in-leeds/. Invited organisations: Leeds Disabled People's Organisation, School of Law of University of Leeds, Deafblind UK, University of Leeds, 10-11 July 2018.	Academic community and interest-group community. Invited guests: 5. All participants: about 30.	High - related to the global objectives of the project

Such workshops and demonstrations give valuable feedback to the project, because we can listen to the opinions and comments of people related to deafblindness – scientists, specialists from the industry, people engaged in various organisations working about deafblindness or related issues, and, most importantly, people with deafblindness, their caregivers and families. Their participation is a fundamental source for project improvements, always focussing on their needs to adapt the technology and not the other way around.

7.10 Project newsletter

The first version of the project newsletter including all information about the project from its beginning looks as follows (Figure 15). It was published in October this year. The newsletter is available on the project website. Moreover, each stakeholder and person interested in the project, after issuing a permit, will receive the newest version of the project newsletter. We will invite all identified audiences to subscribe by following the link at the bottom of the newsletter in order to receive future issues, and inform others about our newsletter. For now, we intend to produce one or two issues per term or as needed when new research results emerge or other significant milestones are reached.

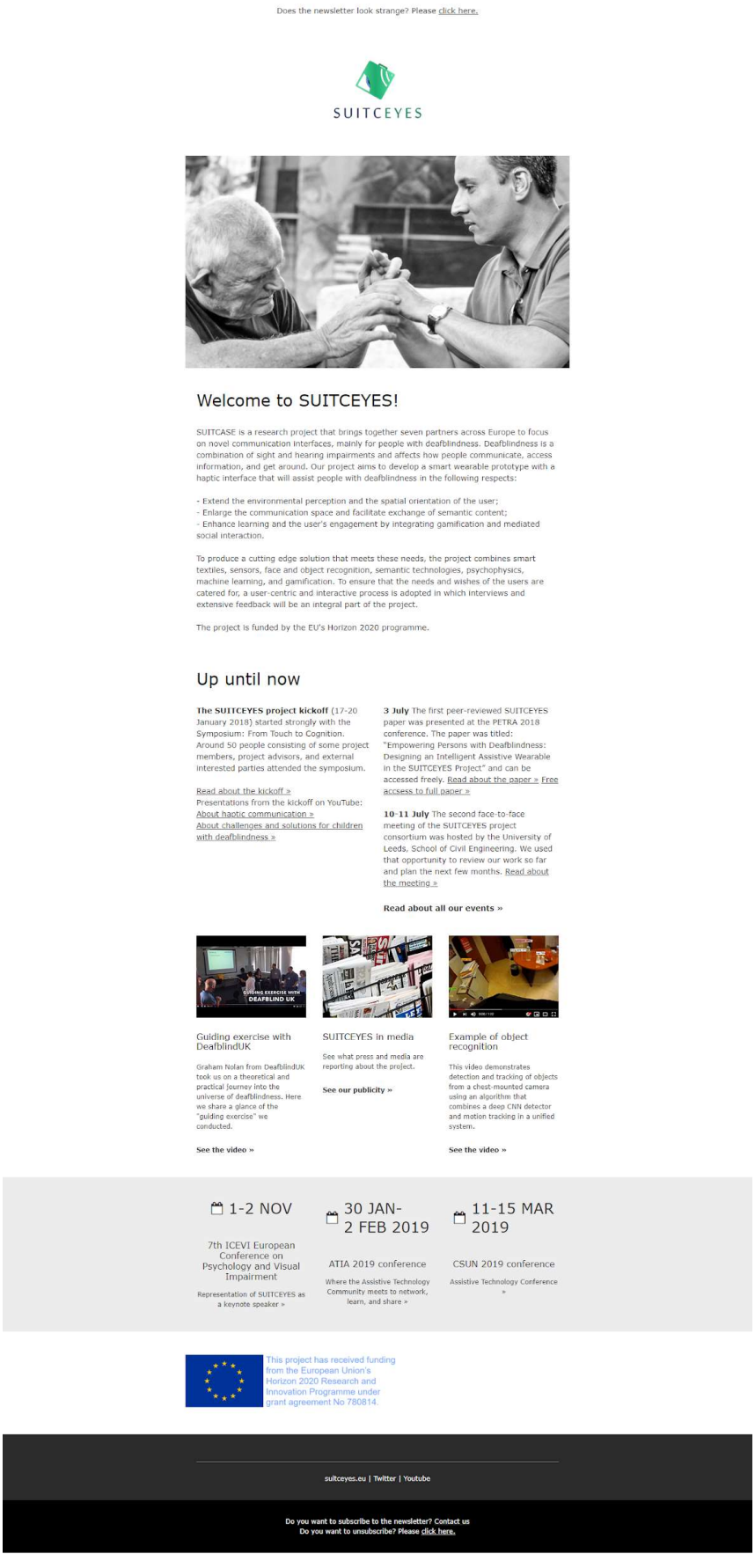

Figure 15. Project newsletter

8. Measuring Success and Identifying Key Outcomes

The monitoring activities (although coordinated by LDQR) are a responsibility of all consortium partners. Therefore, all partners report (monthly) new stakeholders and dissemination activities using defined tools in D8.9, and monitor achieved KPIs using defined tools in D8.17. The Dissemination activities log (Table 8) summarises all the reported activities since the beginning of the project, while Table 9 presents the measurement of the KPIs for the 12th month of the project.

8.1 Monitoring dissemination activities

Table 8 shows the actual version of the Dissemination activities log, grouping all the dissemination activities developed to the present date.

Table 8. Dissemination activities log

Dissemination method	Date	Description of the dissemination activity: Name, place, website	Target audiences
Website	2017/09	Launch of Website, http://suitceyes.eu/	Academic community Industrial sector Interest-group community General public
Specialised social networks: ResearchGate	2017/09/01	Launch of ResearchGate page, https://www.researchgate.net/project/SUITCEYES-Empowering-Deaf-Blind-Persons	Academic community Industrial sector Interest-group community
News item: Webpage article	2017/09/05	"Research takes the deafblind out of the dark", University of Borås, http://www.hb.se/en/About-UB/Current/News-archive/2017/September/Research-takes-the-deafblind-out-of-the-dark/	Academic community Interest-group community
News item: Webpage article	2017/09/05	"Smarta kläder kan ta dövblinda ut ur mörkret", Forskning website, https://www.forskning.se/2017/09/05/smarta-klader-kan-ta-dovblinda-ut-ur-morkret/	Academic community Interest-group community
News item: Radio	2017/09/06	"Plagg ska ge dövblinda bättre kontakt med omvärlden", Sverigesradio, http://sverigesradio.se/sida/artikel.aspx?programid=406&artikel=6770486	Academic community Interest-group community
News item: Television	2017/09/08	"Smarta kläder kan ge dövblinda nya kommunikationsmöjligheter", SVT Nyheter, https://www.svt.se/nyheter/nyhetstecken/forskare-inom-ett-nytt-eu-projekt-ska-ta-fram-en-prototyp-av-smarta-textilier	Interest-group community General public
News item:	2017/09/12	"Smarta kläder talar om vad som händer",	Interest-group community

Webpage article		National Resource Centre for Deafblindness, http://nkcdb.se/smarta-klader-talar-om-vad-som-hander/	General public
News item: Radio	2017/09/14	Radio interview, P4 Sjuhärad radio station	Interest-group community General public
News item: Newspaper article	2017/09/14	"Forskning ska ta dövblinda ut ur mörkret", Göteborgs-Posten, https://web.retriever-info.com/go/?p=246424&x=42505f5627efbca11b3b30162202fb06&s=50802&d=05080220170914320684 6&a=31616&sa=2017172	Interest-group community General public
News item: Webpage article	2017/10/11	"Smarta kläder för dövblinda", Screen-marknaden webpage, http://www.screen-marknaden.se/2017/10/smarta-klader-for-dovblinda/	Interest-group community General public
Specialised social networks: Affective and Cognitive Institute	2018/01	Launch of SUITCEYES on Affective and Cognitive Institute page, https://affective-lab.org/suitceyes/	Academic community Industrial sector Interest-group community
News item: Newspaper article	2018/01/03	"Intelligente Kleidung für Taubblinde", Lahrer Zeitung, https://www.lahrer-zeitung.de/inhalt.offenburg-intelligente-kleidung-fuer-taubblinde.615d15e1-ffd2-43ff-8115-3de0b35fd94b.html	Interest-group community General public
News item: Webpage article	2018/01/04	"Odzież przekaże informacje głuchoniewidomym", Polish Press Agency, http://naukawpolsce.pap.pl/aktualnosci/news%2C27773%2Codziez-przekaze-informacje-gluchoniewidomym.html Reprints of PPA: https://www.facebook.com/NaukawPolsce/posts/1612269342153396, http://dobrewiadomosci.net.pl/21787-inteligentna-odziez-przekaze-informacje-gluchoniewidomym/, http://wdolnymslasku.com/2018/01/04/odziez-przekaze-informacje-gluchoniewidomym/, http://laboratoria.net/aktualnosci/28043.html, http://www.naukaonline.pl/news/item/4377-koszulka-powie-czego-nie-widzisz, http://www.mojasocjologia.pl/, http://www.stuffpolska.tv/artykuly/odziez-przekaze-informacje-gluchoniewidomym, https://www.przekrojgospodarczy.pl/artykuly/3659-odziez-komunikacja-dla-gluchoniewidomych, http://pion.pl/artykuly/styl-zycia/eksperci-	Interest-group community General public

		projektuja-inteligentna-odziez-ktora-ulatwi-osobom-gluchoniewidomym-kom, http://naszesprawy.eu/projekty-programy/13784-odziez-przekaze-informacje-gluchoniewidomym.html, https://ewpl.com.au/odziez-przekaze-informacje-gluchoniewidomym/, http://rzeczo.pl/odziez-przekaze-informacje-gluchoniewidomym/, https://wolnemedia.net/gadajaca-odziez-dla-niewidomych/, https://otolaryngologia.mp.pl/aktualnosci/178565,odziez-przekaze-informacje-gluchoniewidomym	
News item: Newspaper article	2018/01/09	"Smarte Kleider für Taubblinde", Badische Zeitung, http://www.badische-zeitung.de/offenburg/smarte-kleider-fuer-taubblinde--147950184.html	Interest-group community General public
News item: Radio	2018/01/10	"Powstanie interaktywna odzież dla osób głuchoniewidomych", Polish National Radio, https://www.polskieradio.pl/9/5700/Artykul/1987079,Powstanie-interaktywna-odziez-dla-osob-gluchoniewidomych	Interest-group community General public
Academic dissemination: Project's Kickoff meeting and symposium	2018/01/17-19	Kickoff meeting and symposium "From touch to cognition", University of Borås	Academic community Interest-group community
News item: Newspaper article	2018/01	"Smarte Textilien Wie Taubblinde über Kleider ein Lächeln erkennen", Medicine & Technology, http://www.konradin-service.de/pdfarchiv/specials/share/?show=bWVkfDIwMTgtMDAxXzk2fDE=	Interest-group community General public
News item: Newspaper article	2018/02/14	"Sinneswahrnehmung über die Kleidung", Badisches Tagblatt, http://suitceyes.eu/wp-content/uploads/2018/02/BT_Blick-ins-Land.pdf	Interest-group community General public
General social networks: YouTube	2018/02/19	Creation of the YouTube channel page, https://www.youtube.com/channel/UCjc0rhlZ8S4THWdUuqtBc0Q/about	General public
General social networks: Twitter	2018/02/20	Launch of Twitter page, @suitceyes	General public
News item: Radio	2018/02/21	"Att leva med tre sinnen – om hur smarta textilier kan hjälpa dövblinda" Swedish national radio SR P1 (radio especial), http://sverigesradio.se/sida/avsnitt/102270	Interest-group community General public

		6?programid=412	
News item: Webpage article	2018/03/16	"Smarta kläder som hör och ser", Voister (IT news Website), https://www.voister.se/artikel/2018/03/smarta-klader-som-hor-och-ser/	Interest-group community General public
News item: Newspaper article / Newsletter	2018/03-04	"A smart garment for people with deafblindness" in CERTH's bimonthly newsletter, https://www.certh.gr/dat/F72002AD/file.pdf	Academic community Interest-group community
Academic dissemination: Conference	2018/03/17-18	X Interdisciplinary scientific conference "Interdisciplinarity is the key to development" (TYGIEL 2018), Maria Curie-Skłodowska University, http://www.konferencja-tygiel.pl/	Interest-group community General public
News item: Radio	2018/05/04	The radio show "Spanarna", Swedish national radio P1, https://sverigesradio.se/sida/avsnitt/1067413?programid=516	Interest-group community General public
Academic dissemination: Meeting	2018/05/07-08	Communication Carnival / Västsvenska kommunikationskarnevalen, Göteborg, https://goteborg.se/wps/wcm/connect/5c769412-dbc8-4bc1-b5a1-9398c1917e88/171212-004-130+V%C3%A4stsvenska+kommunikationskarnevalen+2018+webb_uppslag.pdf?MOD=AJPERES&kommunikationskarneval%20Dalheimers%20hus	Academic community Industrial sector
Academic dissemination: Meeting	2018/05/14	Pint of Science Festival, Leeds, https://pintofscience.co.uk/event/harder-better-faster-stronger	Academic community Interest-group community
Academic dissemination: Meeting	2018/05/22	International Electrotechnical Commission Technical Committees IEC TC 100, Brussels, http://tc100.iec.ch/about/meetings/meetings.htm	Academic community Industrial sector Interest-group community
News item: Newspaper article	2018/05/23	"EU-Projekt: Smarte Kleider für Taubblinde" - the German journal "Karger Kompass Ophthalmologie" vol. 2/18, https://www.karger.com/Article/FullText/488819	Academic community Interest-group community
General social networks: YouTube / Video	2018/06/08	"Example of object recognition" - detection and tracking of objects from a chest-mounted camera using an algorithm that combines a deep CNN detector and motion tracking in a unified system, https://www.youtube.com/watch?v=jjTDWouVdxU, http://suitceyes.eu/videos/	Academic community Industrial sector Interest-group community General public
General social networks:	2018/06/08	"Creating possibilities: challenges and solutions for children with deafblindness" -	Academic community Industrial sector

YouTube / Video		Thomas Ragnarsson's presentation at the symposium - From Touch to Cognition, held at University of Borås 17 January 2018, https://www.youtube.com/watch?v=Kj1M_0S4bp0&t=229s, http://suitceyes.eu/videos/	Interest-group community General public
General social networks: YouTube / Video	2018/06/08	"Haptic communication" - Linda Ericsson's presentation at the symposium - From Touch to Cognition, held at University of Borås 17 January 2018, https://www.youtube.com/watch?v=90nanMOT4So&t=1492s, http://suitceyes.eu/videos/	Academic community Industrial sector Interest-group community General public
Academic dissemination: Conference	2018/06/26-29	XI International Conference on The PErvasive Technologies Related to Assistive Environments (PETRA 2018), Corfu, Greece, http://www.petrae.org/	Academic community Interest-group community
Academic dissemination: Project's consortium meeting and workshops	2018/07/10-11	Second consortium meeting and workshops, University of Leeds, http://suitceyes.eu/2018/10/09/consortium-meeting-in-leeds/	Academic community Interest-group community
General social networks: YouTube / Video	2018/07/20	"Guiding exercise with DeafblindUK" - a theoretical and practical journey into the universe of deafblindness thanks to Graham Nolan from DeafblindUK, https://www.youtube.com/watch?v=LXkeMx5U0nM, http://suitceyes.eu/videos/	Academic community Industrial sector Interest-group community General public
Academic dissemination: Meeting	2018/08/22	Presentation of SUITCEYES for high profile group of visitors from The Royal Swedish Academy of Science at the University of Borås, https://www.hb.se/Om-hogskolan/Aktuellt/Nyhetsarkiv/2018/Augusti/Ministrar-och-Akademien-pa-besok/	Academic community
Publicity material: Poster	2018/09/27-30	Book and Library Fair, Gothenburg, https://goteborg-bookfair.com/	Academic community Interest-group community
Academic dissemination: Conference	2018/10/17-19	Assistive Technology and Communication. Conference on the Advanced Technology for People with Disabilities (ATAAC 2018), Zagreb, Croatia, http://www.ataac.eu/	Academic community Industrial sector Interest-group community
Specialised social networks: LinkedIn	2018/10	Launch of SUITCEYES on LinkedIn page, https://www.linkedin.com/company/suitceyes-project-h2020/	Academic community Industrial sector Interest-group community
News item: Webpage article	2018/10/26	"Harpo na konferencji ATAAC w Zagrzebiu", HARPO website, http://www.harpo.com.pl/harpo-na-konferencji-ataac-w-zagrzebiu/	Academic community Industry sector Interest-group community General public
Academic	2018/11/01	7th ICEVI European Conference on	Academic community

dissemination: Conference	-02	Psychology and Visual Impairment, Thessaloniki, Greece, http://www.keat.gr/index.php/gr/%CE%BD%CE%AD%CE%B1-%CE%BA%CE%B1%CE%B9-%CE%B1%CE%BD%CE%B1%CE%BA%CE%BF%CE%B9%CE%BD%CF%8E%CF%83%CE%B5%CE%B9%CF%82/113-icevi/	Industrial sector Interest-group community
Academic dissemination: Conference	2018/11/09 -10	(Nie)zależność / (In)dependence conference; VIII meetings of Na Tak association, Poznań, Poland, http://www.natak.pl/konferencja/aktualnosci.html	Academic community Industrial sector Interest-group community

8.2 Measuring key performance indicators

At the early stages of the project (when the HIPI prototype is not ready yet) and at the beginning of any given activity some KPIs can be measured continuously. As the HIPI is developed and tested, and the different channels for dissemination are implemented further information can be gathered to monitor the success of the SUITCEYES project.

The points put forth in this document are used to measure impact where relevant, to both monitor and follow up activities. One should also assess the impact of the project over a timeframe longer than its time. The project intends to raise awareness about issues related to deafblindness, namely, decisions made towards improved structural and societal conditions. Moreover, it intends to advance the state of the art in related research fields - from disability studies to machine learning, gamification, and smart haptic interfaces. The outreach of the project will be assessed in terms of scientific outputs, as well as exposure to the general public.

As for the impact on the general public, focus is placed on social media, and traditional media. For instance, quantitative metrics, such as Twitter followers, website visitors or participants in a study can be evaluated continuously after publishing an account, website or conducting a study. This mainly includes quantitative indicators, but also some qualitative measurements can (and should) be evaluated already at the beginning of a project. However, it is important to note, that evaluating these KPIs is not limited to the early stages of the project, and will be repeated regularly, to ensure continuous evaluation of the project. The expected outcome of these actions is to have a common evaluation basis for the SUITCEYES interface and services (Table 9).

Table 9. KPI measurements for month 12

Indicator name	Period M1 – M36 Means of verification: Internal review, External review			Period M1 – M12 Achieved so far	Explanation
	Poor ☹	Good 😐	Excellent ☺		
N. of overall participants in SUITCEYES workshops	16-25	26-40	40+	50 ☺	01.2018, Borås - Symposium organised by the project as part of the kickoff meeting (50 participants) 07.2018, Leeds - Workshops organised by the project as part of the second consortium meeting (30 participants)
N. of project workshops (workshops with the stakeholders, training on the use of prototype, organization of seminar/congress to share the project's results and future perspectives)	1	2	3+	2 😐	As above
N. of stakeholders testing HIPI	2	5	10	-	Not applicable yet
N. of contributions to relevant conferences & exhibitions and events	6-7	8-9	10+	11 ☺	1. TYGIEL conference 2018 2. West Sweden Communication Carnival 3. Pint of Science Festival 4. International

					Electrotechnical Commission (IEC) Technical Committees (TC) 100 5. PETRA 2018 conference 6. Presentation for Royal Swedish Academy of Science 7. 16th CBMI conference 8. Book and Library Fair 9. ATAAC 2018 conference 10. 7th ICEVI European Conference on Psychology and Visual Impairment 11. (Nie)zależność conference
N. of papers submitted for scientific publication	6-7	8-9	9+	3 ☹	1. PETRA '18 Proceedings of the 11th Pervasive Technologies Related to Assistive Environments Conference, p. 545-551, Corfu, Greece – June 26-29, 2018, DOI: 10.1145/3197768.3201541 2. 16th International Conference on Content-Based Multimedia Indexing (CBMI) Proceedings, IEEE Xplore Digital Library, 978-1-5386-7021-7/18/$31.00 © 2018 IEEE, La Rochelle, France – September 4-6, 2018, DOI: 10.1109/CBMI.2018.8516553 3. "Sensor technology, gamification, haptic interfaces in an assistive wearable" submitted to the

					Journal on Technology & Persons with Disabilities of the 34th CSUN Assistive Technology Conference
N. of online articles published including press releases	15-19	20-24	25+	18 ☹	Publicity on http://suitceyes.eu/category/publicity/
N. of visitors of the website	500-1000	1000-1999	2000+	1259 😐	http://suitceyes.eu/
N. of followers on Twitter	0-29	29-39	40+	76 ☺	https://twitter.com/suitceyes?lang=en
N. of tweets	0-19	20-39	40+	33 😐	https://twitter.com/suitceyes?lang=en
N. of brochures disseminated	0-49	50-99	100+	84 😐	Book Fair in in Göteborg (Sweden) - 25 pcs. ATAAC 2018 in Zagreb (Croatia) - 49 pcs. (Nie)zależność 2018 in Poznań (Poland) – 10 pcs.

It is difficult to determine (especially at this stage of the project) which channel of communication is the most effective, as numbers reached are not necessarily a good measure of success. However, as communication and dissemination involves the nature of behaviour of human beings, there is also significant value in understanding soft facts that have a strong value, such as the interpretation of responses, or the quality of the responses, or the experience and influence of a key player participating in the SUITCEYES community.

Admittedly, the results achieved so far and collected in Table 9 are not thrilling in all categories taking into account the ambitious targets set by the project partners. However, if these indicators grow proportionally during the second and third year of the project, our activities will gain momentum and be promising for further consideration of project results.

9. Awareness

Firstly, we can state the objectives of dissemination in the sense of spreading information with regards to the project research and results. We would like to:

1) Make sure that all target audiences have heard of SUITCEYES;
2) Make sure that all target audiences know that SUITCEYES is an EU funded project;
3) Make sure that all target audiences know that SUITCEYES is an innovative project;
4) Make sure that all target audiences know that SUITCEYES is about solution affecting people with deafblindness;
5) Make sure that all target audiences know that SUITCEYES proposes a user-model approach and user involvement in developing the final solution;
6) Make sure that all target audiences know every time a result has been released;
7) Make sure that all target audiences know where to find the results of SUITCEYES;
8) Make sure that all target audiences read the key information on the results;
9) Make sure that all target audiences look up the results of SUITCEYES.

SUITCEYES raises awareness and increases knowledge by a strongly interdisciplinary perspective that is designed to have particularly broad appeal by speaking to academics from different horizons, as well as to very different segments of industry and the general public. The high visibility of the partners in their respective fields of specialisation contributes to this goal. While ensuring that IP rights are not violated, SUITCEYES findings will be shared with other research groups and other consortia in which SUITCEYES participants are involved. Further contacts will be still sought, and in particular, we will also approach projects now funded under H2020, such as those also answering the same call or related open calls and calls not yet implemented. We will propagate this information throughout the project's life-span to create and to raise awareness among key users and identified audiences.

The main recommendation as a guide to improve the project's dissemination process is commitment of all project partners. Participation of partners from different countries in R&D projects is a chance to disseminate our results on a large scale. There are also some difficulties, like distance, remote work and involvement in other professional and project activities. However, our momentum and positive feedback from various interest groups are promising in the context of developing the final product. We must also pay attention to our language and the way of providing information to our target audiences. We aim to reach the largest possible audience in various countries - if we want to achieve this, we must be sure that the messages come through to motivate further exploration and interaction with the project.

10. Summary

This document summarises the first year of SUITCEYES project in the field of dissemination activities. The main conclusions of this report are as follows:

- There are a lot of opportunities and challenges in dissemination of research results. Without this activity, no target audience and general public could get to know about the idea of our project, its objectives, first results etc. The complexity of our objective (to develop an intelligent garment for people with deafblindness) and the diverse environment of consortium partners, cause that there are also challenges (mentioned in the section 3) in proper dissemination of our results. However, the experience of partners in the field of their professional activities and hitherto results of the project in all WPs give hope for proper progress of the project and successful dissemination of its results in the next period.
- Defined target audiences in SUITCEYES gave first stakeholders from the academic community, industry sector and interest-group community. Their specific interest and influence on the project allowed to perform the first, preliminary analysis of stakeholders in our project. Moreover, every SUITCEYES partner has an important role in dissemination of project results what contributes to find other project stakeholders.
- SUITCEYES organised and participated in various meetings, symposia and conferences to inform and promote our first results and general idea of proposed solution for people with deafblindness. These events gather a large number of audiences. Upcoming dissemination activities are also planned for the following periods of project realization.
- The project also developed a lot of dissemination methods like: the project website; general and specialised social networks; publicity material in the form of poster, leaflet and flyer; videos, press releases, workshops and demonstrations. The indicators from activity and interest of the public in these methods are also monitored.
- The tools for monitoring dissemination activities and KPIs are developed and shared in the project's repository. It enables common work of project partners, collects and summarises the dissemination data monthly.
- Awareness of SUITCEYES is being developed continuously among the stakeholders, general public and wide group of recipients. Each of the project partners will continue to develop awareness about the project during subsequent dissemination activities, paying attention to the appropriate choice of language, the manner of information transfer and complexity of statements depending on the recipients to whom the message will be directed in order to properly communicate our intentions. The consortium carefully assures that acknowledgements are properly stated in all dissemination activities – every form of publication, promotional material, press releases etc., includes information about the project's funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 780814.