



Listen2Future

D7.1 Website

Project title:

Acoustic sensor solutions integrated with digital technologies as key enablers for emerging applications fostering society 5.0.

Project start date:
01 February 2023

Duration:
36 months

Deliverable type:	DEC
Task and work package contributing to the deliverable:	Task 7.1.1 / WP 7
Due date:	30/04/2023
Actual submission date:	27/04/2023

Responsible lead organisation:	UGR
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Dissemination level:	Public
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**EUROPEAN
PARTNERSHIP**



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Authors

Organization	Name	Chapters
UGR	Ana M Navarro Tamayo	All



Publishable Executive Summary

This document provides a general overview of the structure and contents of the Listen2Future project website. The purpose of this website (<https://www.listen2future.eu/>) is to provide a platform for communication and dissemination of information to project stakeholders and the general public. The website also provides an overview of the project outputs, repository of public reports, and multimedia materials.

The website has been developed using the latest web technologies and design principles, to ensure a user-friendly and engaging experience for users. The website is optimized for mobile devices, and accessibility features are integrated to ensure that the website is accessible to all users.

The website features a homepage that provides an overview of the project, its objectives, and its key partners. The homepage also features news updates, event listings, and links to project public outputs.

To ensure the website's sustainability, a content management system has been integrated, which enables project partners to add and update content as needed. The website is also optimized for search engines, to ensure that it is easily discoverable by users searching for relevant information.

In conclusion, the development of a website for Listen2Future is an essential tool for communication and dissemination of information to project stakeholders and the general public.

Regarding web security measures, it is adhered to the legal and ethical guidelines of the European Union, such as the General Data Protection Regulation (GDPR), and protect the privacy and security of user data. The Content Management System Contao is a modern CMS that has a strict update policy and security-support. The webhosting provider uses current server administration tools to monitor suspicious behaviour and attacks to the server.



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1 Introduction

The objective of this deliverable is to create a modern and user-friendly website. More specifically, our aim is the following:

- Create a high level of user-friendliness and user experience on the website
- Develop a clean and appealing visual identity based on the existing style guide
- Provide an intuitive to navigate website for all users
- Develop important functionalities for a successful outcome of the project, yet at the same time do not overload the web system with unnecessary modules and functions
- Guarantee a safe web environment in which user data will be safely stored in the database and protected from any third-party to access
- Make the website accessible by all people
- Contribute to knowledge sharing by achieving effective access and re-use of project outputs, publications, etc.
- Administrate, monitor and manage registered users on the platforms

The website contains information on the aims, objectives, consortium, work processes and the current state of the Listen2Future project. It provides information for all interested parties and the general public. The website will host the outreach related content as: a periodical newsletter that provides updates on the project state and further information related to the project, dissemination material, deliverables and events calendar.



2 The website

2.1 Work done and current status

A website has been developed for the Listen2Future project to serve as the main dissemination platform for our target audiences, such as stakeholders and the general public (<http://www.listen2future.eu>). The project website:

- presents Listen2Future towards our public targets (stakeholders, general public, decision makers, etc.), share the main objectives of the project, describe all work packages, give visibility to the partners and the results
- shares the project progress, the calendar of the events, audiovisual materials, news and final public documents/deliverables
- provides access to a collaborative platform for the consortium partners, allowing the sharing of public project material and public documents

2.2 Website development

The structure of the website is divided in the following sections and specific partners are involved per website sections.

Sections	Description of content	In charge
Home	Welcome page	IFAT
Project work <i>(page 1 and sub-pages as follows)</i>	General text about focus of the project, scope and introduction into WPs	UGR
	Objectives	IFAT
	Work plan	IFAT
Outcome <i>(page 1 and sub-pages as follows)</i>	Expected outcome of the project on general level	IFAT
	European impact	IFAT
	Scientific impact	IFAT
Consortium	Consortium as a whole, general description (+ map + list of countries and involved partners)	IFAT & All partners
News&Media	Listen2Future in the news	UGR



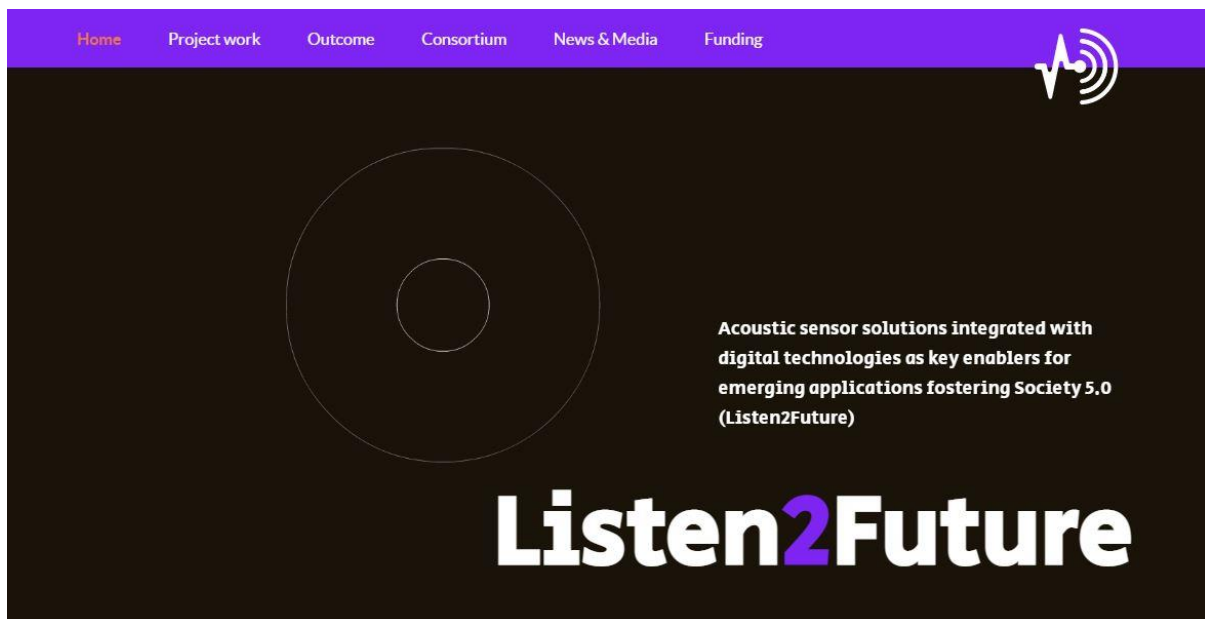
<i>(page 1 and sub-pages as follows)</i>	Press Releases Podcast Events	
Funding	Acknowledgement updated version+ EU+ flag + each national authority listed with logo, i.e.	IFAT
Contact		IFAT

Table 1: Website development responsibilities

2.3 Listen2Future website content

The following screenshots were selected to illustrate the website development status as of April 2023.

2.3.1 Home page





Home Project work Outcome Consortium News & Media Funding

Listen2Future

Project Facts

27
Partners

7
European
countries

30
mio. Euro
total costs

Project Name: Acoustic sensor solutions integrated with digital technologies as key enablers for emerging applications fostering Society 5.0 (Listen2Future)

Duration: February 2023 – January 2026

Total Costs: approx. € 30 Mio.


Project Partners



Follow us on



Home Project work Outcome Consortium News & Media Funding



Listen2Future

Acoustic sensor solutions integrated with digital technologies as key enablers for emerging applications fostering Society 5.0 (Listen2Future)

PROJECT FACT BOX

Project Name: Acoustic sensor solutions integrated with digital technologies as key enablers for emerging applications fostering Society 5.0 (Listen2Future)
Duration: February 2023 – January 2027
Total Costs: approx. € 30 Mio.
Consortium: 27 partners from 7 countries
Coordinator: Infineon Technology Austria AG


LATEST NEWS

01/02/2023
Listen2Future Kick-off-Meeting
 27 partners from 7 countries met on February 1, 2023 at the headquarters of Infineon Technologies Austria to launch the Listen2Future project, coordinated by Infineon.
[Read more ...](#)

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KDT JU
 KEY DIGITAL TECHNOLOGIES JOINT UNDERTAKING

For the acknowledgement we received an update from the European Commission:
 Under grant 101094884, Listen2Future is co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or Key Digital Technologies Joint Undertaking. Neither the European Union nor the granting authority can be held responsible for them. The project is supported by the Key Digital Technologies Joint Undertaking and its members (including top-up funding by Austria, Belgium, Czech Republic, Germany, Netherlands, Norway and Spain).

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2.3.2 Project Work

Home Project work Outcome Consortium News & Media Funding











Project work

Listen2Future aims to contribute to a healthier and more secure society by developing new and smallest microphone and ultrasound sensors for examinations in industry and medicine. It will look over the best technology development in each country to get the best of this project and see how cooperation at EU level can produce completely new solutions that benefit society, people and health.

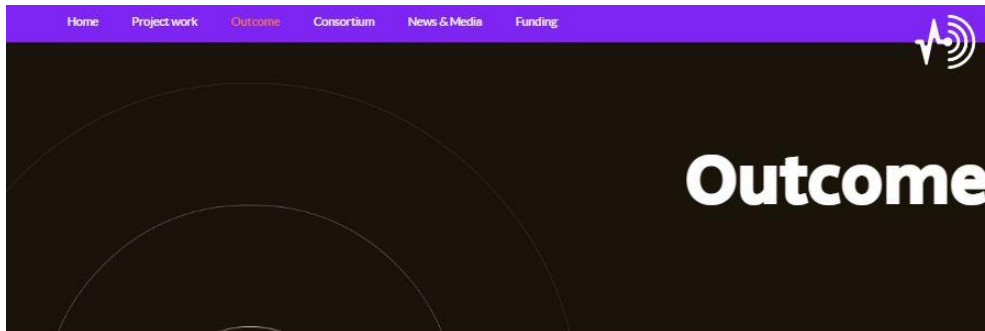
Our main goal will be addressed through 8 work packages, each of them with specific objectives. All the working areas will involve the different L2F partners to bring the smallest, micro-electro-mechanical sensors into high volume production at globally competitive costs and make them available for a wide range of applications for industry and medicine.

The research will yield higher image resolutions in ultrasound probes, robust mini-hearing aids with first class sound quality and low energy consumption. The focus will also be on wearable ultrasound patches for early detection of heart disease, for example, and ultrasound devices for rapid infection control in infants in industry, continuous quality control of materials and intelligent monitoring of the energy infrastructure are to be implemented.

 WP 1: One case and building block definition, requirements and alignment	 WP 2: Towards more performant acoustic MEMS sensors for emerging applications	 WP 3: Next generation Electronics for the Intelligent Acoustic Signal & Data Processing Chain	 WP 4: Assembly and Packaging
 WP 5: Algorithms & Embedded Software	 WP 6: Demonstration in emerging applications	 WP 7: Dissemination, Communication, Exploitation	 WP 8: Project management



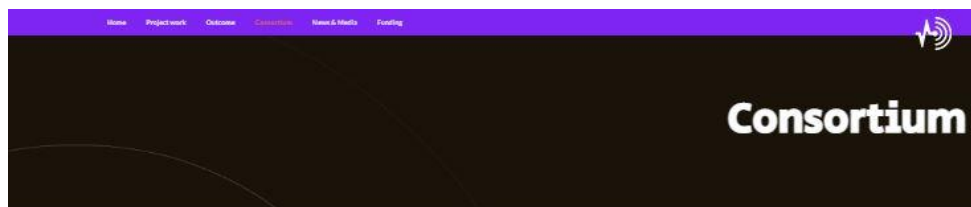
2.3.3 Outcome



Digital technologies are a pacemaker for innovations in industry as well as in healthcare. Sensors and micro-electro-mechanical systems (MEMS) play a special role as sensory organs of technology. Acoustic sensors, microphones and ultrasonic systems are widely used to provide condition information and investigations in technology, industry and medicine. However, the devices for this have so far been large, cost-intensive and predominantly stationary in use. The research team of "Listen2Future" wants to change this through new technological systems in different applications.



2.3.4 Consortium



The Listen2Future consortium consists of 27 well-established participants originating from 7 European member states constituting a balanced mix of industry and research with complementary skills and expertise. The multidisciplinary partners cover the entire value chain from materials, components, systems & algorithms to applications.





2.3.5 News&Media



News



01/02/2023

Listen2Future Kick-off-Meeting

27 partners from 7 countries met on February 1, 2023 at the headquarters of Infineon Technologies Austria to launch the Listen2Future project.



19/01/2023

News Title 3

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat,

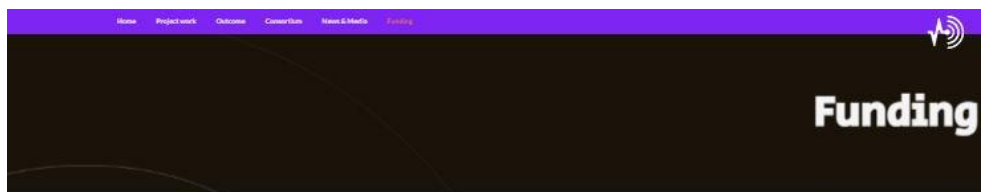


18/01/2023

News Title 2

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat,







2.3.6 Funding



European Funding

Under grant 502076684, Listen2Future is co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the Digital Technologies Joint Undertaking. Neither the European Union nor the granting authority can be held responsible for them. The project is supported by the Key Digital Technologies Joint Undertaking and its members (including top-up funding by Austria, Belgium, Czech Republic, Germany, Netherlands, Norway and Spain).

National Funding

Austria	FFG is the central national funding organization and strengthens Austria's innovative power. This project is co-funded by the FFG.	
Belgium	This project is made possible with the support of VLAIO.	
Czech Republic	-	-
Germany	-	-
Netherlands	This project is co-funded by RVO - Netherlands Enterprise Agency.	
Norway	This project is co-funded by the Research Council of Norway.	
Spain	This project is co-funded by the Project R&D+I 2022-2024 (2022-13/2022) funded by MICINN (P1/2022/100011/0001/0001) and by EU NextGenerationEU/PRTR.	 



3 General data protection management and Webpage security

General information

The Content Management System Contao is a modern CMS, developed as an open source project mainly in Germany and Austria. It follows a high standard in development, has a strict update policy and security-support is provided also for older versions as a minimum of 4 years (future release plan up to 5 years). It is based on PHP, MySQL and the full-stack-PHP-framework Symfony and implements latest web technologies, e.g. HTTP2.

Anti-malware software

The webhosting provider uses current server administration tools to monitor suspicious behaviour and attacks to the server. Details can be provided by the hosting provider upon request.

SSL certificate

An SSL certificate is a digital certificate that authenticates a website's identity and enables an encrypted connection. Listen2Future have a SSL certificate issued by DigiCert Inc.

The webserver

It's a shared hosting on a dedicated server by an Austrian company, the location of the hardware is in Germany.

Backups

The CMS offers a manual backup of files and database, additionally the hosting provider backups daily for the last 14 days.

Suspicious activities

The analytics tool Matomo will be installed and this monitors all activities to the frontend. The Content Management System Contao monitors any suspicious activities at the front and backend via a unique Session ID. These can be viewed in the activity log in the backend.

Session ID

Every activity is monitored via a unique Session ID. After three failed login attempts to the backend, all login (for every user) is blocked for 5 minutes and a notification is sent to the website admin.

Additionally, two-factor-authentication can be activated. Then logins have to provide a TOTP-Code additionally to username and password.

Access to the platform

Currently, the minimum password length for backend users is 10 letters. Additional requirements can be set upon request.



4 Website management and further development

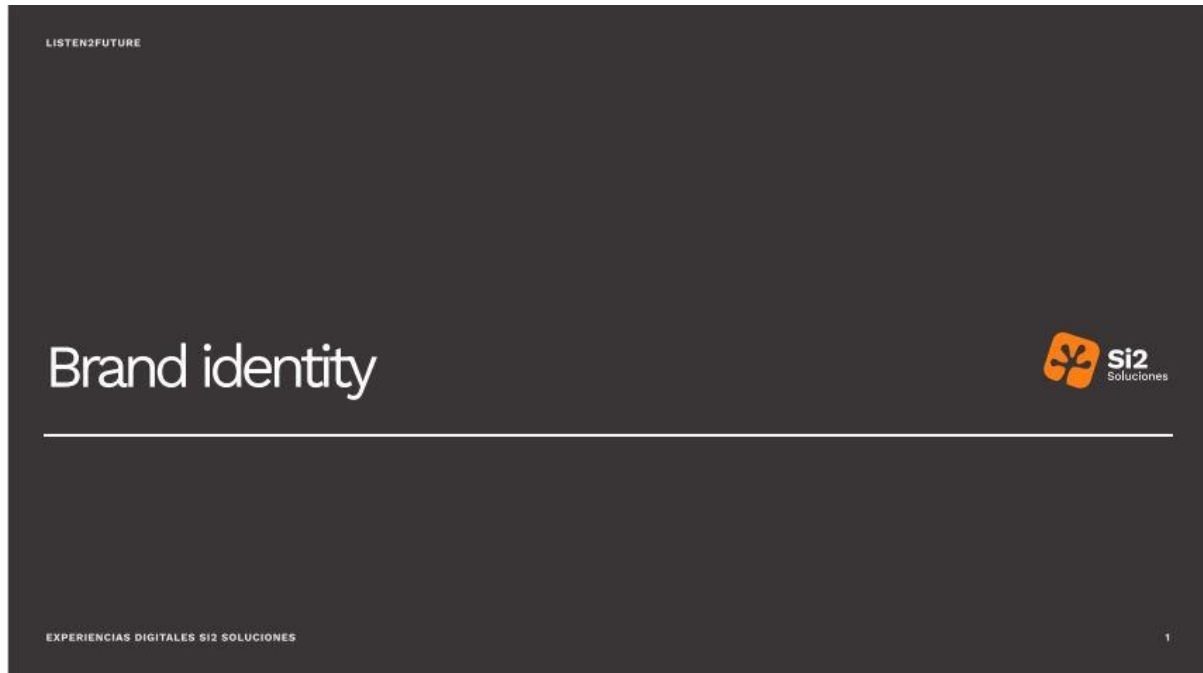
To facilitate the website management, the communication team will receive a training by the website developer in the management of the platform in order to be able to edit and post material on the website. Communication team is committed to maintain the website up-to-date following the communication and dissemination plan driven by WP7.

The website key performance indicators, as defined in the proposal, will be tracked and circulated to the project management board on a regular basis. Updates will be posted on at least a fortnightly basis or more frequently depending on activities



5 Logo and brand identity

The website has been designed following the Listen2Future brand identity. Project's logo is available and online.







LISTEN2FUTURE

Logo for other uses

Versions that allow for adaptability in different scenarios

SQUARE LOGO



REDUCED LOGO 2 (RESPONSIVE)



EXPERIENCIAS DIGITALES SI2 SOLUCIONES 5

LISTEN2FUTURE

Negative Version

Applicable to high contrast circumstances

FULL LOGO



RESPONSIVE



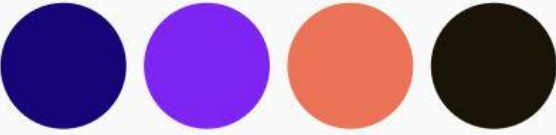
EXPERIENCIAS DIGITALES SI2 SOLUCIONES 6



LISTEN2FUTURE

Colours

Theme colour scheme, usable in website and document templates.



#150578	#7E25F4	#EC7357	#191308
rgba(21, 05, 120, 1)	rgba(126, 37, 244, 1)	rgba(236, 115, 87, 1)	rgba(22, 19, 8, 1)

EXPERIENCIAS DIGITALES SÍ2 SOLUCIONES

7



6 Conclusion

In conclusion, having a webpage for Listen2Future is an essential element of the project success. The webpage serves as a primary means of communication and information dissemination, connecting the project with its stakeholders and audience. It can help to showcase the project's goals, objectives, and public outcomes and enable users to contact with the project team members.

In designing and developing, we have considered user experience, accessibility, and usability. The webpage is user-friendly, visually appealing, and provide clear and concise information about the project. It is also optimized for various devices, including desktops, laptops, tablets, and mobile phones.

Moreover, the webpage is aligned with the project's branding and messaging, providing a consistent and coherent message to the audience. It is also adhered to the legal and ethical guidelines of the European Union, such as the General Data Protection Regulation (GDPR), and protect the privacy and security of user data.

In summary, with this well-designed and developed webpage we will enhance the visibility, credibility, and impact of Listen2Future.