This project has received funding from the ECSEL Joint Undertaking under grant agreement No 101007326.
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Automotive Intelligence for/at Connected Shared Mobility

Deliverable	**D7.9. The 2nd Dissemination and Communication report**		
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Table of contents

1 Executive/ Publishable summary

The present document is a deliverable of the AI4CSM project, co-funded by the ECSEL Joint Undertaking under grant agreement No. 101007326 and ECSEL JU Member States.

This document is intended to give an overview of the types of dissemination and communication activities that were planned and undertaken during the project, to valorise the results of the project and bring them to the public.

This deliverable "D7.9. The 2nd Dissemination and communication report" defines the project dissemination and communication management processes, rules and tools to be applied throughout the AI4CSM project, and the main results of the first 24 months of the project. This includes the following aspects:

- The detailed definition and description of target groups and communication – dissemination channels
- Rules and tools for communication and dissemination of project results, including open access
- Implemented activities and communication – dissemination results of the first two years.

The framework, consisting of the legal documents – Project Grant Agreement (PGA), Project Consortium Agreement (PCA), and National Grant Agreement (NGA), form the basis for using, disseminating, and communicating the outcomes of the AI4CSM project. In case of any conflicts, the rules defined in the legal documents supersede any rules or recommended practices in the deliverable.

The AI4CSM project's Dissemination and communication Report will be systematically reviewed and updated on the occasion of each consortium meeting in a dedicated time slot. This Report will serve as a live document each year published with new supplemental information, focusing on results and activities implemented during the project reporting period.

2 Non-publishable information

Not applicable

3 Introduction & Scope

3.1 Purpose and target group

AI4CSM is a large and complex research and innovation project, requiring adequate information and dissemination management structures. The key characteristics of this ECSEL Joint Undertaking project are:

- 41 Partners from 10 countries.
- ~41,7 million Euro total budget.
- Total work effort of approximately 4202 person months.
- 8 Work Packages and 8 Supply Chains.
- 6 high-level objectives.

The objective of the dissemination of AI4CSM results is to create awareness about the project's research and development achievements in the scientific, industrial, and societal domains. Dissemination and communication activities will target not only the academic and specialist audiences but also non-specialist broad audiences and the wide society.

This deliverable "D7.9. 2nd Dissemination and communication report" defines the project dissemination and communication management processes, rules and tools to be applied throughout the AI4CSM Project, and the main results of the first 24 months of the project. This includes the following aspects:

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- Rules and tools for communication and dissemination of project results, including open access
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The AI4CSM project's Dissemination and communication Report will be systematically reviewed and updated on the occasion of each consortium meeting in a dedicated time slot. This Report will serve as a live document each year published with new supplemental information, focusing on results and activities implemented during the project reporting period.

3.2 Contributions of partners

The deliverable is prepared by TG, but all partners have contributed or will contribute to dissemination, as is required in GA.

TABLE 1 CONTRIBUTIONS

Chapter	Partner	Contribution
All sections	TG	Main author, elaboration and completion

3.3 Relation to other activities in the project

This document describes the overall communication and dissemination activities of AI4CSM, including all Work Packages and all Supply Chains. In particular, it provides reporting on the activities related to WP7 "Dissemination, exploitation and standardization".

This document is considered as a 'living document', i.e. and therefore it will be enhanced and adapted during the project as required.

4 Communication and dissemination of target groups and concepts

4.1 Key concepts and objectives

Dissemination by the European Commission is described as:

The public disclosure of the results by any appropriate means, including by scientific publications in any medium[1].

The dissemination of AI4CSM outputs to crucial stakeholders will aim at:

- Transferring knowledge and results to the ones that can best make use of it
- Maximizing the impact of research, enabling the value of results to be potentially wider than the original focus
- Preventing results from becoming sticky and effectively lost
- Strengthening and promoting the profile of the organization
- Being an essential element of all good research practice.

Communication will, therefore, contribute to support dissemination and exploitation objectives while targeting stakeholders beyond the immediate interest groups, such as the public at large.

Communication by the European Commission is described as:

Taking strategic and targeted measures for promoting the action itself and its results to a multitude of audiences, including the media and the public, and possibly engaging in a two-way exchange[2].

The Communication of AI4CSM is strategically planned and not only ad-hoc efforts. It identifies and sets clear communication objectives and uses pertinent messages, the right medium and means the Communication helps:

- Reach out to society as a whole and in particular to some specific audiences.
- Demonstrate how EU funding contributes to tackling societal challenges.

The communication of AI4CSM outputs to crucial stakeholders will aim at:

- making the results and knowledge developed through the project available to the broadest audience,
- enhancing project exploitation potential,
- and stimulating dialogue in the community.

Therefore, the AI4CSM project communication and dissemination objectives are the following:

- To raise public awareness and ensure maximum visibility of the project's key facts, objectives, activities, and findings among the EU and the global public at large
- To announce and promote AI4CSM events, contributing to upgrading its attendance and engagement potential
- To support the dissemination objectives
- To encourage EU research cooperation in the electronic components and systems domains.

[1] https://ec.europa.eu/research/participants/data/ref/h2020/other/events/2018-09-21/9_dissemination-exploitation-activities_en.pdf

[2] https://ec.europa.eu/research/participants/data/ref/h2020/other/events/2017-03-01/8_result-dissemination-exploitation.pdf

The dissemination and communication efforts will be focused on scientific and industry communities' events as well as on events and channels whereby a much wider audience can be reached. AI4CSM partners seek to use the website, social media, university events, and other means to inform a broad audience about the benefits of automation, Electronic Components and Systems. Project partners will 'expand the message' so that more and more people become open to the idea of significantly safer and more reliable highly automated vehicles.

Referring to what was mentioned before, one of the significant and first steps to building a successful communication strategy is to set up the objectives and targets. Therefore, the overall goals of the strategic plan are the following:

TABLE 2 EXPECTED COMMUNICATION OBJECTIVES AND OUTCOMES

Communication objectives	Expected outcomes
To achieve European-level awareness-raising and dissemination by providing information on the content and results of the AI4CSM project as a whole via different channels.	More stakeholders (e.g., automotive industry, policymakers, research professionals, transport and energy professionals, and citizens) across Europe become informed and adopt sustainable, sophisticated systems solutions, and more intelligence for vehicles. Use of specific channels to enlarge the dissemination of AI4CSM results such as public opinion surveys, newsletters, social media presence, posters, etc.
Provide a unique online hub/platform to promote and sustain collaborative activities as well as knowledge sharing, and access tailored to the needs of the AI4CSM community.	The AI4CSM website and data-sharing portal will become a single gateway to access project-related results for people seeking information, assistance and support through the deployment of intelligent systems in vehicles.
To Run and support the presentation of the project at smaller local, bigger national and wide international events, create a well-recognized AI4CSM visual identity, create representative dissemination material and organize project planning, implementation and strategic workshops.	Design and production of visual identity and guidelines, design of templates. The visual identity (brand) of the project will be created to serve as a clear, memorable, scalable, flexible and easy to apply (intuitive and easy to use for project partners).

To realize the objectives mentioned above, the following key channels of communication and dissemination activities are planned and employed. They are essential for informing the stakeholders about the project.

FIGURE 1 COMMUNICATION CHANNELS AND ACTIVITIES

4.2 Target Audiences

The target audiences for AI4CSM communication and dissemination include industry, regulatory bodies, policymakers, the research/academic community, and the wider general public. The communication strategy aims to target all involved, interested, and potential audiences. It is expected to identify potentially interested members who could spread the word of AI4CSM key messages, increasing and widening audience participation. A set of dedicated dissemination activities were planned at the beginning of the project according to the identification of target groups and the identification of appropriate communication channels.

The following target groups were identified as the starting point for the AI4CSM work:

- Scientific communities: Especially communities focusing on planning and control systems for highly automated driving, safety-critical applications, fail-operational platforms, AI approaches, and dependability are targeted. Mostly the research partners will address these groups for communicating the main technical and scientific results.
- Technology users, such as companies developing safety-critical applications for highly autonomous driving, are addressed by the application partners to communicate technical project outcomes.
- Technology providers, i.e., companies and institutions developing tools and methods for autonomous driving planning and control systems or perception, and cognition control systems, are addressed by the application partners to communicate technical project outcomes and to synchronize technologies related to the project.
- Public community, the general public-city-dwellers.
- The European Commission, as the main stakeholder of the project and responsible for the set-up of research and development projects in line with the project call will be addressed to communicate the project status as well as the project impact on scientific communities and on the market.

- Other research and development projects related to AI4CSM, i.e., by similar targets, technologies, or interests, are necessarily targeted for dedicated technical communication and synchronization of project results.

Mapping of target groups to the communication channels envisaged in the project is provided in the following table. The table provides the main overview. The website is deliberately not mentioned, as it is relevant for all target groups. The level of technical detail provided via the communication channel is typically increasing from press release to scientific publication. We do not claim that the European Commission and/or the public community is not interested in detailed technical information, but the information provided over the communication channel is not specifically targeting these two target groups.

TABLE 3 MAPPING OF TARGET GROUPS AND COMMUNICATION CHANNELS

<table>
<tr><th></th><th>Press release</th><th>Publication</th><th>Presentation</th><th>Public report</th><th>Demonstrator</th><th>Standardization activities</th><th>Open research data pilot</th></tr>
<tr><td>Scientific Community</td><td colspan="3">Public descriptions of selected project outcomes to enter detailed technical dialogue</td><td>Illustration of concepts applied to use cases</td><td rowspan="5">Dissemination and sustainability of most relevant AI4CSM outcomes</td><td rowspan="5">Relevant application data (domain specific)</td></tr>
<tr><td>Technology users</td><td colspan="2" rowspan="3">Raising awareness of the project to enter dialogue</td><td colspan="2">Highlight the impact and end-user benefit generated by project findings</td></tr>
<tr><td>Technology providers</td><td colspan="2">Show the market potential for solutions adopting the AI4CSM approach</td></tr>
<tr><td>Related projects</td><td colspan="2">Support synchronization of activities and exchange know-how, avoid duplication of efforts</td></tr>
<tr><td>European Commission</td><td colspan="2" rowspan="2">Providing public communication on the main project outcome(s) and their impact</td><td>Increase the visibility of the project</td><td>Illustration of concepts applied to use cases</td></tr>
<tr><td>Public community</td><td>Increase the visibility of the project</td><td></td><td></td><td></td><td></td></tr>
</table>

4.2.1 Language

Structuring our audiences has real impact on what communication we produce and how we write, design, and distribute them. For example:

- Language style: The language style used in the different products will vary, generally becoming more specialized at deeper levels. The statement that jargon needs to be avoided at all costs is not true – specialized audiences understand the jargon and become quickly tired of material explaining things to them, that they already know, in the language they would consider infantile. Technical communication, therefore, has its place – but not in products written for other audiences (public community);

- Design style: This is equally true for design issues. In essence, it may be counter-productive, as well as a waste of resources, to design a report aimed at highly specialized audiences as a glossy product, covered with a multitude of images and illustrations. In this case, the product type is inappropriate for both the audience and the message.

4.2.2 Content

Content is crucial in successful communication. Content has to align with audience classes, so for specific products, this fact will be considered before the production of the respective promotional material. Content differs for:

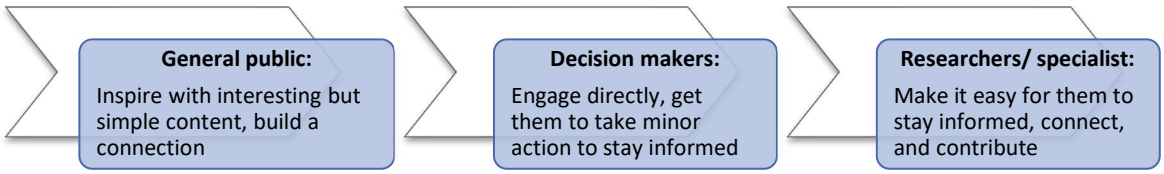


FIGURE 2 FLOW OF DIFFERENT CONTENT

Within this line:

The general public needs general information that is easy to understand, which would be inspiring, visionary, and attention-grabbing. Decision-makers need information that relates to their policy areas (e.g., how and to what level do the measures contribute to their policy goals), they need to be engaged directly and in a targeted way. Highly specialized people have their own usual scientific/ industrial journals and publications that carry technical information. Therefore, AI4CSMs content must be presented there.

5 Dissemination and communication guidelines

To ensure that AI4CSM consortium partners are familiar with and follow the correct procedures when disseminating and communicating information about the project, common Guidelines were prepared. AI4CSM Dissemination and Communication Guidelines were developed in a form of a ppt presentation, uploaded onto the partner's data-share ownCloud, and presented to the consortium during conference call meetings on 19th of November 2021.

Firstly, the Guidelines describe the concepts of Communication and Dissemination, in the framework of ECSEL JU funding and the Horizon 2020 programme. Then the subsequent information follows:

5.1 Acknowledgement of Funding and Disclaimer

The appropriate ways of acknowledging funding and funding programmes are described in the AI4CSM Dissemination and Communication Guidelines. The following acknowledgement of funding information is used by the consortium:

- Acknowledgement of funding must be included in all AI4CSM - related publications and other dissemination material:

"AI4CSM receives funding within the Electronic Components and Systems For European Leadership Joint Undertaking (ESCEL JU) in collaboration with the European Union's Horizon2020 Framework Programme and National Authorities, under grant agreement n° 101007326."

Or

"AI4CSM project has received funding from the ECSEL Joint Undertaking (JU) under grant agreement No 101007326. The JU receives support from the European Union's Horizon 2020 research and innovation programme. It is co-funded by the consortium members and grants from Germany, Austria, Norway, Belgium, Italy, Netherlands, Czech Republic, Latvia, India."

- ECSEL JU logo and the European Union flag must be visible next to the acknowledgement of the funding sources:

- National or regional funding authorities must be acknowledged, and their logos included where possible.

- Furthermore, any dissemination and communication activities need to adhere to the specific conditions of EU funding and disclaimer according to GA Article 38.1.3, which is excluding [Agency and] Commission responsibility. Thus, the following disclaimer must be included in the communication material:

"All AI4CSM-related communication reflects only the author's view and the [Agency and the] Commission are not responsible for any use that may be made of the information it contains."

5.2 Social media posting guidelines

After information about the acknowledgement of funding, the AI4CSM Dissemination and Communication Guidelines describe where partners can find the dissemination materials (such as presentations, templates, posters). This is followed by **social media posting guidelines**, described below:

AI4CSM consortium uses Twitter and LinkedIn accounts @AI4CSM for social media presence.

What we post: Texts of up to **280** characters. This excludes media attachments (photos, images, videos, etc.) and quoted tweets (displaying someone else's tweet within your own) but includes links (a URL is always altered to 23 characters).

How we use it: To share short comments, make announcements that can instantaneously reach a large audience or retweet relevant content, post pictures from events and videos of demonstrators.

Twitter account is also embedded in the project website https://ai4csm.eu/.

The following terminology is important:

Hashtag # - a hashtag is added in front of any word or phrase in a post, this makes it easier for users to locate our specific content. Examples of applicable hashtags are the following: #Innovation, #autonomousdriving, #mobility, #futuretechnologies, #industry, #H2020, #ECSELJU. Using a hashtag

makes the keyword or phrase in the post searchable. It is like a label that clusters and links similar content, the same way keywords do when scientific papers are published. They are used to increase outreach – enabling us to join bigger, topic-specific conversations, to capitalize on existing trends, to consolidate and group content – helping those who took part in an event search for related coverage using the event's hashtag, to encourage interaction.

Handle @ - unique handle/user name used to identify the AI4CSM project's account. It always starts with the @ symbol, followed by a name to identify the accounts: **@AI4CSM**. We use handles to mention partner organizations, funding organizations, and related projects, to send a direct reply to someone, by starting our message with their handle, and to link to someone else's account (known as a 'mention') by using their handle in our post.

Tone and general notes that our consortium takes into account when posting on social media:

- Never post pictures or text containing confidential information from the consortium's internal meetings
- Use appropriate, inoffensive language (to ensure we get responses and stimulate debate)
- Be receptive to our readers' arguments – if we don't agree, we can defend our position without being rude
- Gain/maintain credibility by sharing worthwhile, relevant content and showing respect for other cultures and ideas, online as well as offline
- We must be aware that libel and defamation laws apply
- We created our **project handle** and use it consistently throughout the overall project implementation
- If the partners, researchers, team members or other relevant organizations already have a strong, well established social media presence, we encourage them to **communicate information about our** project
- Use handles, such as **@ECSELJU** and **@EU_H2020** in our tweets to maximize visibility and be recognized as part of the ECSEL JU and H2020 community
- Twitter is becoming increasingly **visual** – we post pictures, videos or data visualizations to spark interest
- Share images and **tag other Twitter accounts** (up to 10), to build a relationship with your audience and make them aware (the account tagged receives a notification) of content that might interest them, in the hope that they might want to retweet it.

The following posting schedule is observed for AI4CSM Twitter, LinkedIn, and website posts:

TABLE 4 AI4CSM SOCIAL MEDIA AND WEBSITE POSTING SCHEDULE

	Twitter/LinkedIn	Website
ON THE DAY OF REGISTRATION TO EVENT	HEADLINE, EVENT DETAILS, LINK	
2 DAYS PRIOR TO EVENT	HEADLINE, EVENT DETAILS, LINK	
DURING EVENT	PHOTOS, LIVE DETAILS	
2 DAYS AFTER EVENT		SUMMARY OF EVENT, RESULTS, PHOTOS

PUBLIC PROJECT RESULTS	HEADLINE, DETAILS, PARTNER INFORMATION	HEADLINE, DETAILS, PARTNER INFORMATION
PROJECT NEWSLETTER	HEADLINE, NEWSLETTER	HEADLINE, NEWSLETTER

5.3 Open Access Publishing Guidelines

The AI4CSM consortium embraces the vision that large and unrestricted access to knowledge is essential not only for the central role of knowledge and innovation in generating growth but also as a fundamental human value of scientific knowledge progress and dissemination. In line with the "Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020", the project beneficiaries will aim to ensure open access ('gold', or 'green') to all peer-reviewed publications relating to the project results. Authors copyright agreements will determine whether scientific publications, resulting from the project, will adopt the gold or the green model. However, in the case copyright agreements are not violated (e.g. in the case of peer reviewed journals and international conference proceedings), the consortium will favour whichever model guarantees wider dissemination of the project results. Therefore, the Dissemination and Communication Guidelines describe the principles of Open Access Publishing. To comply with the AI4CSM project's Grant Agreement, consortium partners must make their papers and presentations available to the entire consortium ahead of publication; they must be emailed to consortium's Dissemination Manager or the Core Team.

According to AI4CSM Consortium Agreement: 8.4.1, during the Action and for the period of one year, the Dissemination of own Results by one or several Parties including but not restricted to publications of whatever form (excluding patent applications(s) and other registrations of IPRs), shall be governed by the procedure of Article 29.1 of the Grant Agreement subject to the following provisions:

- Prior notice of any planned publication shall be given to the other Parties at least **45 calendar** days before the publication (email to zina@teraglobus.lt or members@ai4csm.eu)
- Any objection to the planned publication shall be made in accordance with the GA in writing to the coordinator and to the Party or Parties proposing the dissemination within **30 calendar** days after receipt of the notice.
- If no objection is made within the time limit stated above, the publication is permitted.

Consortium partners must follow the review and approval process described in the subsequent process illustration:

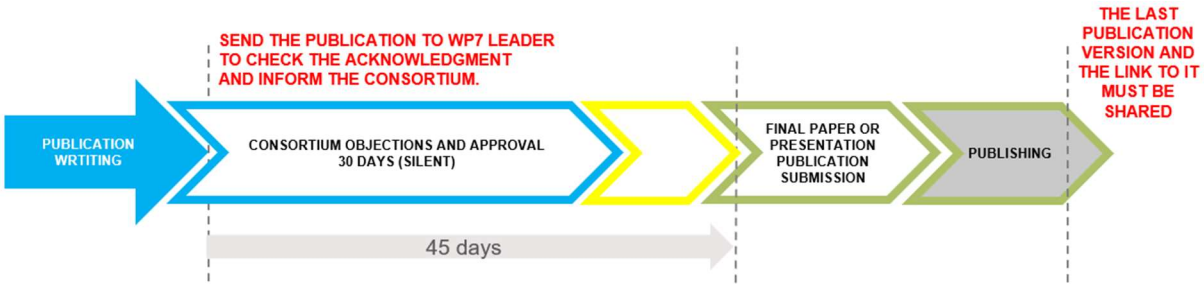


FIGURE 3 AI4CSM PUBLICATION AND PRESENTATION REVIEW AND APPROVAL PROCESS

Under Horizon2020, each beneficiary must ensure open access to all peer-reviewed scientific publications relating to its results, and AI4CSM consortium partners are all expected and informed to follow these rules. Each partner must - at the very least - ensure that their publications can be read online, downloaded and printed. Partners should make every effort to have additional rights such as the right to copy, distribute, search, link, crawl, and mine to increase the utility of the accessible publication. Consortium partners follow the AI4CSM **Dissemination Guidelines Presentation,** which was presented to the entire consortium and is available on the projects file-share ownCloud. More information is also available at: Open access & Data management – SEDIA Guide

5.4 Data Management Plan

It is important to enable a smooth operation, safe data exchange and effective management of data among the AI4CSM members. To reach these goals, the AI4CSM consortium uses a cloud platform for the data-exchange, where the confidential sharing of files is possible without restrictions.

5.4.1 Data Exchange Platform Nextcloud

The uses cloud software is the so-called “Nextcloud” [**Klaida! Nerastas nuorodos šaltinis.**], (see Figure below: Screenshot of the AI4CSM data share Nextcloud), installed on a server and hosted from the OTH-AW.

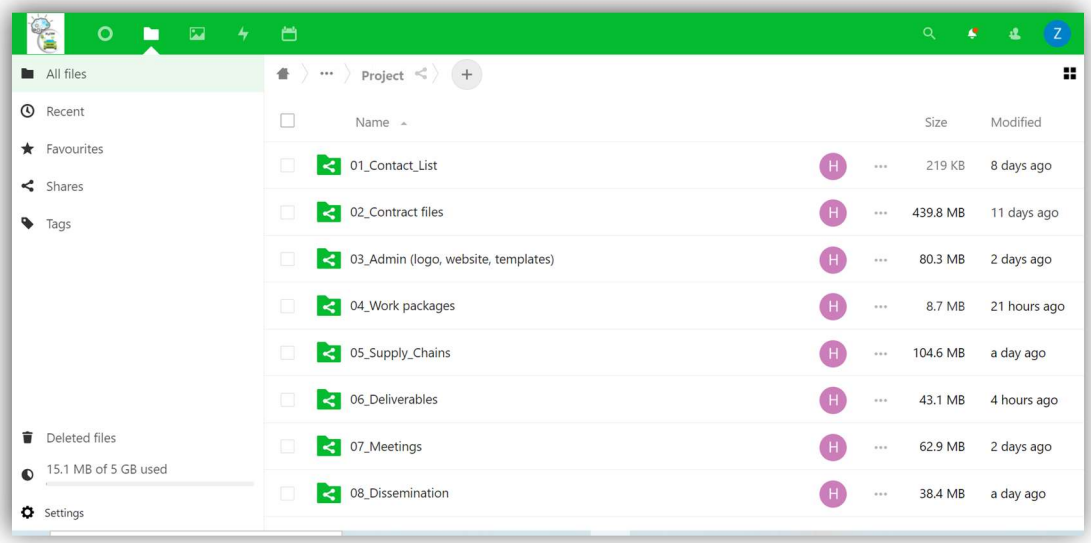


FIGURE 4 AI4CSM DATA SHARE NEXTCLOUD

5.4.1.1 Access

The Nextcloud-server software supports fully the WebDAV protocol, so users can connect to the server and synchronize their working data. This is possible with every standard browser through the link, so no additional software is needed to install for the users. It is also possible to access by client applications, which are available for all common Windows, Mac and Linux and furthermore by mobile apps for iOS and Android.

5.4.1.2 Safety and Security

Within the Nextcloud a version control allows to access to older versions of the files. The Nextcloud software is updated frequently to keep the system up-to-date.

A daily backup is made from all data, which are physically separated from the server. The server is located in Germany at the OTH-AW.

Access to the files is only allowed through HTTPS-protocol. After the login to the Nextcloud all communication is protected through an SSL encrypted access, verified by a CA-certificate.

6 Strategy deployment

6.1 Visual Identity

6.1.1 The logo

The AI4CSM logo reflects the core content of the project. The AI4CSM logo depicts a stylized autonomous, connected and electric vehicle accompanied by a cloud with screws. The colours appear consistently on the website and all dissemination material layouts.

FIGURE 5: AI4CSM PROJECT LOGO

The logo must always be reproduced from a master reference, to be found in the intranet area of the AI4CSM website.

6.2 Print-based dissemination

AI4CSM's approach is to use the appropriate content and style as well as the consortium's experience and knowledge of individual groups' needs to develop promotional material that can reflect the project's central message and reach its target audiences through the right channels. The dissemination material always carries the ECSEL JU and the AI4CSM logos, which will create awareness across the target audiences along with the visual identity, as well as the EU flag.

A careful combination of text and design are essential elements to maximize the impact of all communication activities to raise awareness about the AI4CSM in planned and targeted audiences and stakeholders. Developing posters, brochures, leaflets, and other promotional products in an attractive

and high-quality manner requires careful organization and the inclusion of several sub-processes such as information gathering, analysis, and translation into understandable langue and style for the target communication groups. Leaflets and handouts for fairs and conferences, posters presenting results to interested audiences as well as contact information will be produced. The project summary information was prepared by project partners and used as the basis for information for the leaflets, flyers, and posters. The first project poster is shown below. The poster was created and presented at the MSM2021, GSVF 2021, EFECS 2021, IFAT innovation days and many other conferences.

FIGURE 6 AI4CSM POSTER

The communication material in paper or digital forms is adopted to every event according to the need.

In the second year of the project additional technical posters were created. SCs' leaders created posters to represent SCs at EFECS 2022 conference. Demo poster (SCD1.2 "Robo Taxi automated operation in challenging urban use cases") was prepared for GSVF 2022 conference in Austria.

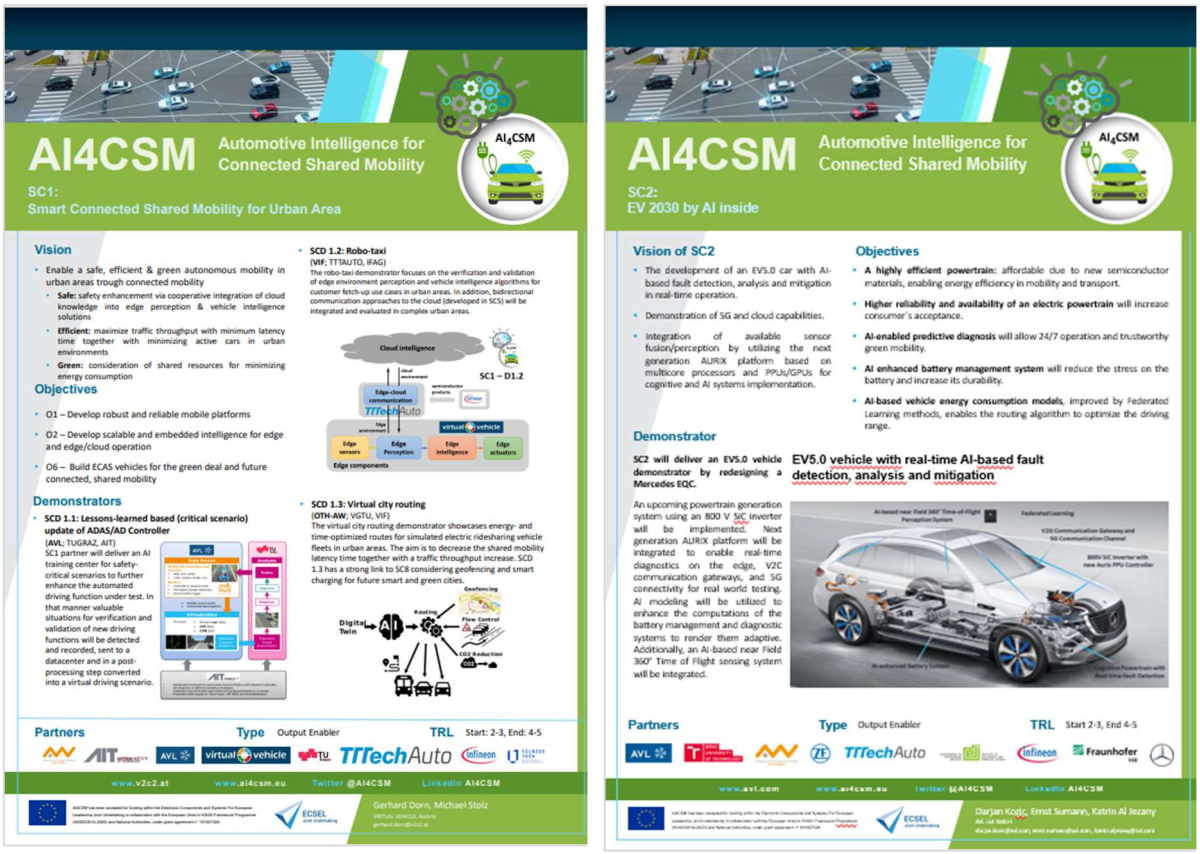


FIGURE 7 AI4CSM SC1 AND SC2 POSTERS

Furthermore, AI4CSM roll-up and leaflet was created to represent the project at The Autonomous main event in Vienna and EFECS 2022 in Amsterdam.

The impact of the leaflets and the promotional material and their appeal will be maximized through a combination of easy-to-understand language, avoiding technical jargon and by selecting designs/graphical elements/images that are clear and get the messages across quickly.

Being in the digital age, marketing leaflets are often overlooked. Sometimes they have been branded as old-fashioned and ineffective. However, there are many advantages to using leaflets to disseminate your project. The main advantage is that an audience can read the content later, so the leaflet has bigger possibilities to make an impact and spread the message. Therefore, flyers complement project dissemination with a poster or roll-up very effectively.

A good leaflet needs to grab the attention, therefore, needs to stand out; this attention-grabbing layout can be achieved by being colorful, including images, and eye-catching headers. A leaflet, unlike paid ads, are visually pleasing and can come in a range of styles that can grab the attention.

The AI4CSM leaflet is provided in the pictures below. To maintain integrity, the flyer has a similar style to the roll-up. At the same time, it has more content and gives you the opportunity to learn more about the project.

FIGURE 8 AI4CSM LEAFLET

6.3 Events-based dissemination

Awareness-raising regarding AI4CSM is expected to be impacted positively by project representation in relevant events. Consortium intends to present AI4CSM at key European, word-wide and national events aiming to promote the project outputs and to disseminate by all appropriate means and tools all relevant information that will raise public awareness about the consortium's work. Participation in events is also an opportunity to increase and strengthen the network of relevant parties interested in further collaborations and business agreements.

The knowledge management team of the consortium (Project Management Team (PMT)) in agreement with the innovation-providing partners, will promote the innovations developed during the project at workshops, exhibitions, trade shows, conferences, and all other dissemination and exploitation events. Thus, the PMT and Dissemination leader TeraGlobus are in charge of an overall coordination of dissemination matters, suggesting to partners the best ways to communicate, and selecting the key events where project presence is especially important.

6.3.1 AI4CSM at events during the first and the second project year

During the first and the second year of AI4CSM the project was represented at a number of events. The most notable dissemination events are illustrated in the sections below.

14th Graz Symposium Virtual Vehicle in Austria

On the 1st and 2nd of September 2021, AI4CSM was presented at the 14th Graz Symposium Virtual Vehicle (GSVF) in Austria, organized by project partner Virtual Vehicle Research GmbH and Graz University of technology. AI4CSM poster was presented in the exhibition, among other ongoing Mobility projects.

The GSVF 2021 served as a platform to discuss recent advances in systems integration and virtual validation and its optimal coexistence with physical testing. The industry currently moves away from strictly vertical to broadly horizontal vehicle system development approaches. Collaboration, virtualization, and agile-enriched processes are vital to cope with related complexity, uncertainties, quality, costs and timely delivery, to ultimately accelerate system delivery, ensuring global competitiveness and market-shares.

FIGURE 9 AI4CSM AT GSVF 2021

EuWoRel 2021 in Germany

On the 13th-14th of October, AI4CSM was presented in the 9th European Expert Workshop on Reliability of Electronics and Smart Systems, EuWoRel 2021, in Fraunhofer-Forum, Berlin. In the presentation, results from the ECSEL project AutoDrive and Outlook on AI4CSM as a continuation were presented. Several slides are provided below.

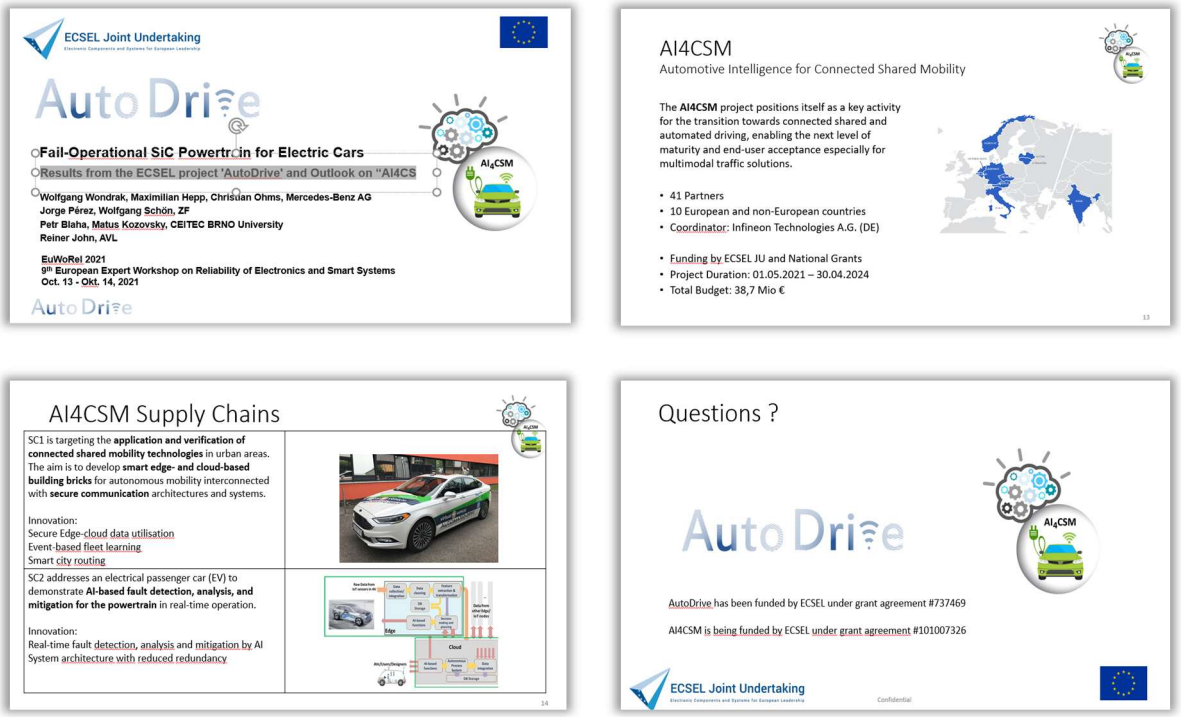


FIGURE 10 AI4CSM AT EUWOREL 2021

EFECS 2021- European Forum for Electronics and Systems

EFECS is the international forum with a focus on 'Our Digital Future' along the Electronic Components and Systems value chain in Europe. The organisers of this event, AENEAS, EPoSS, Inside Industry Association, ECSEL Joint Undertaking and the European Commission and in association with EUREKA have joined forces to bring all stakeholders together on 23-25 November 2021. EFECS 2021 gave participants a unique opportunity to engage with the leaders and enablers of Europe's Digital Economy by hosting a virtual exhibition to spaces, concentrated on learning about calls and funding landscape developments, latest technology trends and applications of Electronic Components and Systems, development of new project ideas and workshops.

AI4CSM project was represented in a virtual exhibition. The exhibition visitors could find out the main project goals, objectives, current stage and expected results. Moreover, there was an opportunity to communicate and to discuss with project partners representatives from Infineon and Teraglobus.

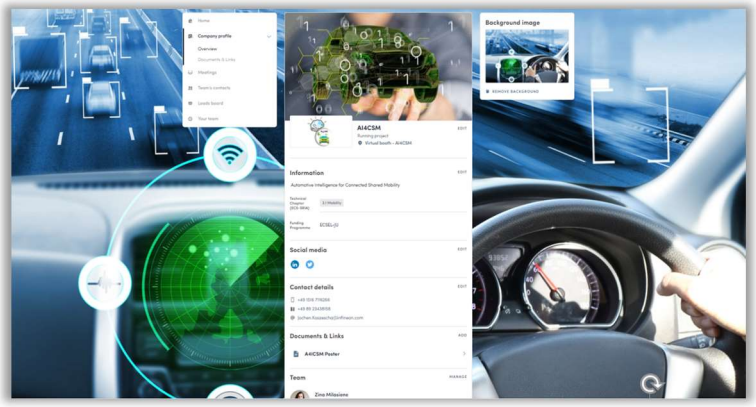


FIGURE 11 AI4CSM VIRTUAL BOOTH IN THE EFECS 2021

EFECS event helps to understand the challenges and to jointly develop the required roadmaps and strategic priorities addressing each key theme. EFECS encourages "cross thematic" interaction to help address innovation along the full electronic components and systems value chain and highlights key developments affecting the ECS Community. During this 3-day event, the impact and results of various European funding instruments were demonstrated and disseminated.

IFAT innovation days in Austria

On the 27th of April AI4CSM poster was presented at the internal IFAT Innovation Days 2022 in Villach, Austria. The main idea of this event was to promote Innovation activities, strengthen the innovation culture, and provide a platform for discussions and the exchange of experiences. The event was attended by more than 850 participants from various worldwide Infineon departments. AI4CSM was presented as one of the ongoing projects, coordinated by Infineon and enabling the future mobility developments following the electrification, standardisation, automatisation and digitalisation implementation strategy. The project will focus on providing new AI-enabled electronic components and systems for ECAS vehicles for advanced perception, efficient propulsion and batteries, advanced connectivity, new integration and platform concepts and intelligent components based on trustworthy AI.

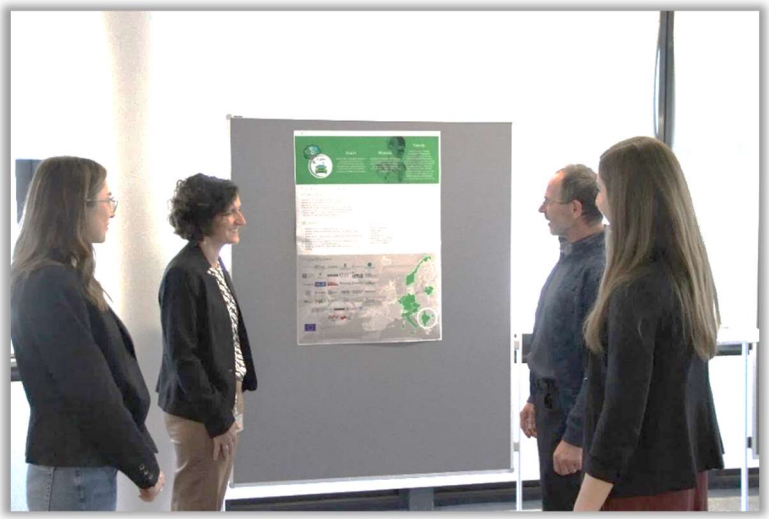


FIGURE 12 AI4CSM AT IFAT INNOVATION DAYS 2022

Microelectronics Systems Symposium

On the 1st-2nd June, 2022, AIT Austrian Institute of Technology GmbH presented the AI4CSM project at the Microelectronics Systems Symposium - MESS2022 in Vienna.

AI4CSM is about the Mobility of the future, which will let us solve global problems! Electric, Connected, Autonomous mobility build together the European approach to mitigate climate change and environmental degradation in the transport and mobility domain, thus fulfilling the goals of the European Green Deal and the implementation of the sustainable development Goals.

AI4CSM combines functional architectures, embedded intelligence and functional virtualization for connected and shared Mobility developing and using advanced electronic components, trustworthy AI for decision making, systems for advanced perception, efficient propulsion and batteries, advanced connectivity, new integration and platform concepts to make a significant step towards sustainable future.

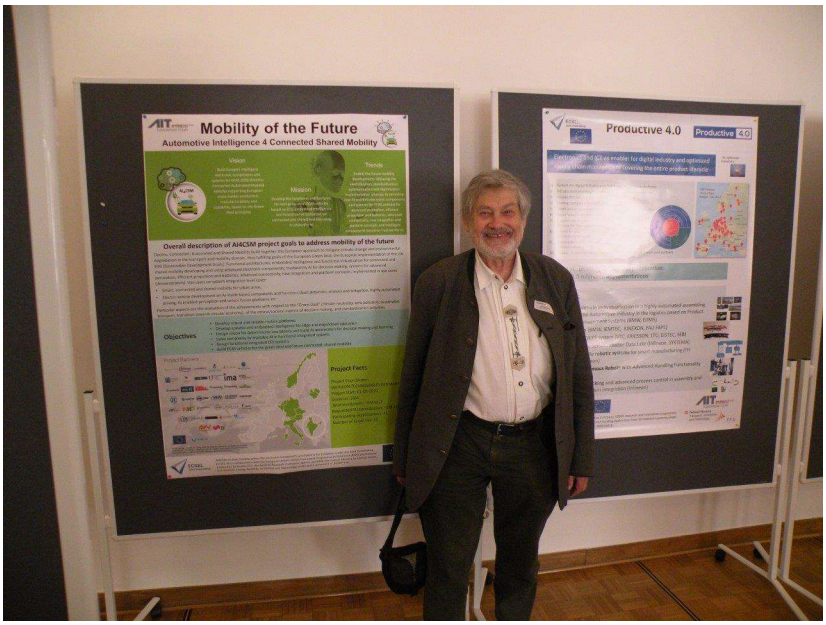


FIGURE 13 AI4CSM AT MESS2022

15th Graz Symposium Virtual Vehicle in Austria

From the 31st of August - the 1st of September 2022, VIF presented the AI4CSM project at the 15th Graz Symposium Virtual Vehicle. The event attracted a professional audience from all over the world. The GSVF 2022 served as a platform to discuss recent advances in system integration and virtual validation and its optimal coexistence with physical testing. It mainly focused on methods, tools, data, and processes for virtual validation. The symposium thus takes current trends into account: at the moment, the industry moves away from strictly vertical to broadly horizontal vehicle system development approaches. So collaboration, virtualization, and agile-enriched processes are vital to cope with related complexity, uncertainties, quality, costs and timely delivery, to ultimately accelerate system delivery, ensuring global competitiveness and market shares.

VIF, leading the AI4CSM SC1 "Smart Connected Shared Mobility for Urban Area" is developing and applying perception and intelligence algorithms and tests its performance in a demonstrator vehicle (Ford Mondeo) and the demonstrator poster "Robo Taxi automated operation in challenging urban use cases" was presented at the event to represent expected results.

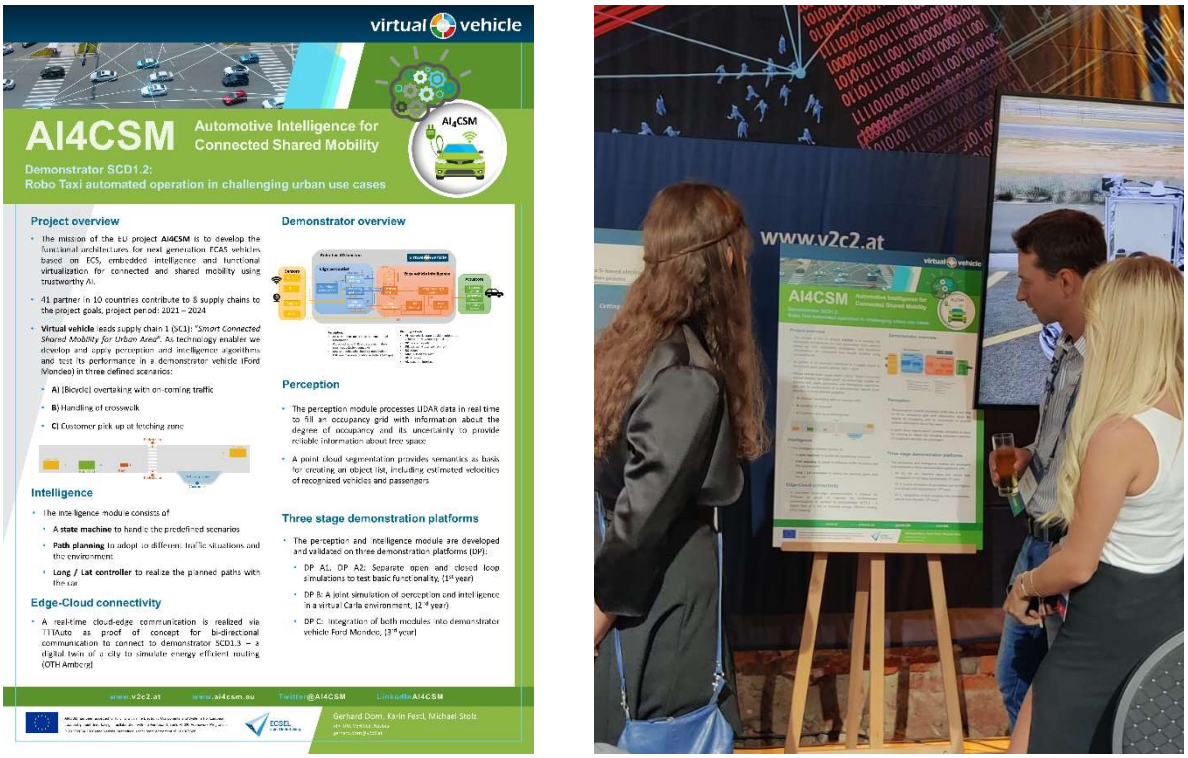


FIGURE 14 AI4CSM AT GSVF2022

The Autonomous

On the 27th of September 2022, the AI4CSM was presented at the Autonomous Main event in Vienna, where the coordinator Jochen Koszescha gave a presentation at the Spotlight Session "Research & Innovation in Autonomous and Connected Mobility".

Autonomous, Connected, and Electric mobility are recognized as the most disruptive trends in the automotive industry. Among all of them, autonomous vehicle technologies are the most heavily researched topic. The automated driving features currently available are only a fraction of what is being developed for the future. It is expected that autonomous, connected, and electric vehicles will provide significant social, industrial, economic, and environmental benefits.

The workshop presented the state-of-the-art challenges of these technologies and the R&I programs that the European Commission had set up to tackle those challenges.

FIGURE 15 AI4CSM AT THE AUTONOMOUS

Making Industry 4.0 Real

On the 19th of October 2022, The AI4CSM was presented at the international conference – Making Industry 4.0 Real in Vilnius, Lithuania.

Making Industry 4.0 Real 2022 – a conference for representatives of engineering and other manufacturing industries, manufacturing, IT services, etc. for company managers, specialists, the general public interested in digital transformation and examples of its practical application.

Many interesting presentations and discussions about Europe's competitive edge, technological transformation and its contribution to industrial resilience and Sustainability. We are proud that by implementing the AI4CSM project, we can contribute to the creation of a cleaner and stronger Europe.

FIGURE 16 AI4CSM AT THE INDUSTRY 4.0 REAL

EFECS2022

On 24th-25th of November 2022, after a two-year break, we again had the opportunity to participate in the live EFECS exhibition in Amsterdam and present the project to the ambitious EC's projects community. EFECS is the international forum to create impact by collaborative innovation for an autonomous and sustainable Europe along the Electronic Components and Systems value chain in Europe. The event gathered participants from the whole Europe. The AI4CSM project was represented by partners from IFAG, AIT, AVL, TeraGlobus, BUT, EDI.

At the conference in the AI4CSM booth, we had a roll-up, several posters, leaflets, branded chocolates. Furthermore, we used LCD screen to present the videos with a general AI4CSM presentation and SCs' posters.

FIGURE 17 AI4CSM AT THE EFECS 2022

The Key Digital Technologies Networking Workshop

On the 30th-31st of January 2023, Several AI4CSM partners were present at the Key Digital Technologies Networking Event, which brought together a large group of science, research, business and industry representatives to Mallorca, Spain.

We had a chance to listen to such speakers like Reiner John from AVL, Dr. Jochen Langheim from STMicroelectronics, Julián Proenza Arenas from the University of the Balearic Isl, Anton Chichkov from KDT JU, Roland Nagy from FAU Erlangen-Nürnberg, Thomas Harder from ECPE European Center for Power Electronics and Michael Saur from Mercedes-Benz AG.

Furthermore, a special Panel session about ECS Mobility was organized to discuss how the introduction of quantum technologies influences the future development of technologies in the mobility domain and what needs to be done so that power electronics and electronic components providers can meet

the increasing demands and requirements of the mobility sector. In addition to this, a demonstrators session was organized, where several projects presented their physical demonstrators and videos.

FIGURE 18 AI4CSM AT THE KEY DIGITAL TECHNOLOGIES NETWORKING WORKSHOP

The general table with all attended events is provides in the table below. Moreover, the list is supplemented with scheduled future events where the project is planned to be presented in the upcoming period. The list is not exhaustive and may change according to the need.

TABLE 5 LIST OF SCHEDULED DISSEMINATION COMMUNICATION PROJECT EVENTS

No	Name of the event	Location	Date	Participation
1	MSM2021 conference	Vilnius	July 1-2, 2021	AI4CSM poster (TG)
2	Graz Symposium Virtual Vehicle	Seifenfabrik/ Graz, Austria	September 1-2, 2021	AI4CSM poster (VIF)
3	IDIMT 2021	Kutna Hora, Czech Republic (hybrid)	September 1-3, 2021	AI4CSM was presented in the keynote at the session "Trustworthy smart autonomous systems-of-systems" (AIT)
4	SAFECOMP 2021	York, England (hybrid)	September 7-10, 2021	16th DECSoS Workshop organized, AI4CSM reported in the introduction keynote (AIT)
5	EuWoRel conference	Berlin, Germany	October 13-14, 2021	Presentation (MBAG, ZF, BUT, AVL)
6	Riga COMM	Riga, Latvia	October 14, 2021	Presentation (EDI)
7	AI BOOST conference 2021	Online	November 17-18, 2021	AI4CSM poster (TG)

8	EFECS 2021	Online	November 23-25, 2021	AI4CSM booth (IFAG, TG)
9	DATE 2022	Online	March 14-23, 2022	Publication (UNIMORE)
10	EWICS TC7	Virtual	April 4, 2022	Presentation (AIT)
11	IFAT Innovation Days 2022	Austria	April 27, 2022	Poster (IFAT)
12	ECS Brokerage and KDT Kick-off	Brussels, Belgium	May 3-4, 2022	AI4CSM presence (IFAG, TG)
13	MESS22: Microelectronic Systems Symposium	Vienna, Austria	June 1-2, 2022	AI4CSM poster (AIT)
14	HiPEAC 2022	Budapest, Hungary	June 20-22, 2022	
15	International Conference on Robust Statistics" (ICORS, https://uwaterloo.ca/international-conference-robust-statistics/	Waterloo, Canada	July 5-10, 2022	Presentation (TUWien)
16	Graz Symposium Virtual Vehicle	Graz, Austria	August 31-September 1, 2022	AI4CSM poster (VIF)
17	SAFECOMP 2022	Munich, Germany	September 6-9, 2022	AI4CSM presence (AIT)
18	IDIMT 2022	Prague, Czech Republic	September 7-9, 2022	AI4CSM presence (AIT)
19	EuWoRel2022	Berlin, Germany	September 8-9, 2022	Presentation (IFAT)
20	26th ACM International Systems and Software Product Lines Conference (SPLC 2022)	Graz, Austria	September 12-16, 2022	Publication (TUDR)
21	SAE 2022 Intelligent And Connected Vehicles Symposium	Shanghai, China	September 22-23, 2022	Publication (AIT, TUGraz, VIF)
22	The Autonomous 2022	Vienna, Austria	September 27, 2022	AI4CSM presentation, roll-up (TTT auto, IFAG, TG)
23	Making Industry 4.0 Real	Vilnius, Lithuania	October 19, 2022	AI4CSM leaflet (TG)
24	Society 5.0	Vienna, Austria	October 19, 2022	Presentation of AI4CSM (AIT)
25	EIT Open Day	Vilnius, Lithuania	October 20, 2022	AI4CSM leaflet (TG)
26	EFECS 2022	Amsterdam, Netherlands	November 24-25, 2022	AI4CSM booth (IFAG, AIT, AVL, BUT, EDI, TTTauto)
27	Key Digital Technologies Networking workshop	Mallorca, Spain	January 30-31, 2023	AI4CSM presence, roll-up, videos (TG, IFAT)
28	KDT Brokerage Event	Brussels, Belgium	February 7-8, 2023	AI4CSM presence (IFAG, TG)
29	ICNC 2023	Honolulu, Hawaii, USA	February 20-22, 2023	Publication (TUD)
30	FuSaCom (Functional Safety Community) 30. Get-2-Gether,	Virtual	March 6, 2023	Presentation (AIT)
31	AUTOMATION 2023	Warsaw, Poland	March 7-9, 2023	Publication (VGTU)
32	EuCAP2023	Florence, Italy	March 26-31, 2023	Publication (IFAG)
33	ECTI DAMT & NCON 2023	Phuket, Thailand	March 22-25, 2023	Publication (HSO)

34	LOGIN 2023	Vilnius, Lithuania	May 11, 2023	AI4CSM presence (TG)
35	4gamechangers Festival	Vienna, Austrai	May 15-17, 2023	AI4CSM SC1 demo presence (VIF)
36	Making Industry 4.0 Real	Vilnius, Lithuania	May 25, 2023	TBD
37	IMAGINE 23	Germany	June 15, 2023	AI4CSM presence (TTTauto)
38	WiMob 2023	Montreal, Canada	June 21-23, 2023	Publication (TUD)
39	IEEE International Symposium on Personal, Indoor and Mobile Radio Communications	Toronto, ON, Canada	September 5-8, 2023	Publication (AIT)
40	IDIMT2023	Hradec Králové, Czech Republic	September 6-8, 2023	AI4CSM presence (AIT)
41	The Autonomous	Vienna, Austria	September 14, 2023	Under consideration (IFAG, TTTauto, TG)
42	SAFECOMP 2023	Toulouse, France	September 19-22, 2023	AI4CSM presence (AIT)
43	IAVVC 2023	Austin, Texas, USA	October 16-18, 2023	Publication (VIF)
44	IECON 2023	Singapore	October 16-19, 2023	Publications (BUT)
45	EFECS2023	TBD	November, 2023	AI4CSM booth (IFAG, TG, etc.)
46	IEEE CDC 2023	Singapore	December 13-15, 2023	Publications (BUT)

At future conferences or events, it is planned to present the results of the project, which will be published in scientific publications. There may be opportunities to present project demonstrators. The SC8 leader will be active in conferences related to standardization activities.

FIGURE 19 UPCOMING CONFERENCES

The consortium will make use of the dissemination activities undertaken by the EC, ECSEL JU, and EC-funded projects within Horizon2020. All offered possibilities for dissemination will be analysed and the project will join every opportunity which is promising to enable effective dissemination of the project's experiences and results.

All partners, particularly the large industrial companies, will use their business contacts and organize workshops to inform internal and external business partners about the project activities and underlying technology and prototype development. Workshops and tutorials on the project's topics will be held at fairs and conferences. There, potential users and interested parties can be reached and discussion can be opened to a broad scientific and industrial community, which also gives input to further development.

6.4 Web-based dissemination

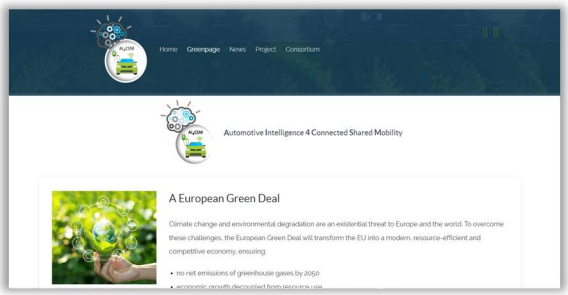
The AI4CSM website, reachable via the URL **www.AI4CSM.eu,** is a useful tool to provide a practical and user-friendly way the project work and dissemination material. Using the www (world wide web) grants access to every member of the project and also gives the public audience a fast and easy way to receive project information.

The website was launched in the beginning of the project and will be frequently updated with new input, e.g. news of the project, meetings, participation in events, and developments. The website will also be used to provide downloads of the dissemination material.

6.4.1 Website design

Web design is created based on the project's visual identity. Design, colour palette, and other elements that were created to achieve a unified style and presentation of the project were used to reach this goal. Such as project logo, colour gamut, presentation and poster templates used for internal and external project communication. This is important for the recognition factor and the continued strong public image. The AI4CSM website mainly is used for the communication of project information and results to the public. It will include materials useful to disseminate the project work to non-experts, such as informative and enjoyable project photos and videos. All public deliverables will be available on the website after EC approval, including the project presentation, leaflets, newsletters, brochures, and posters.

Currently, the website contains general information about the project, the project's relation to Green Deal, News Page, Information about SCs, Related projects, Consortium and Dissemination (Poster, Public deliverables, Publications). Several screenshots of the website are provided below.



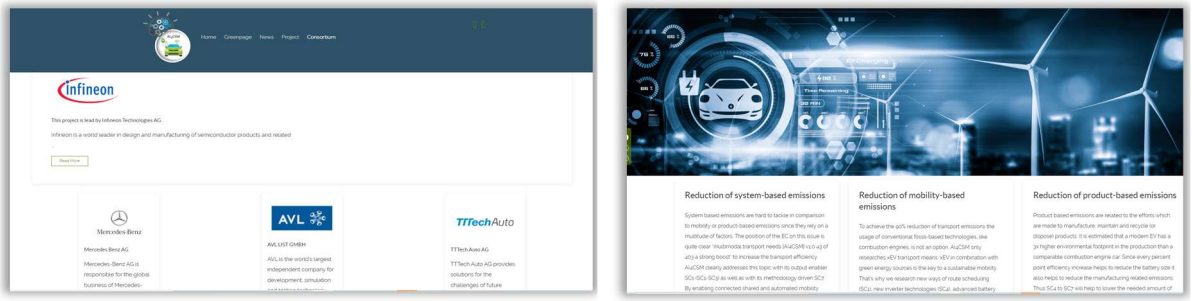


FIGURE 20 AI4CSM WEBSITE'S SCREENSHOTS

During the first year of the project the website was visited 2119 times from 62 countries. The majority of connections are from Germany, America, Austria, Italy, Netherlands, France, Finland, Lithuania and Latvia.

In the second year the website was periodically updated with latest news, meetings, event attendance, published publications, public deliverables and other relevant information (upcoming conferences, etc.).

During the second year of the project, the website was visited 2347 (about 11 % more than Year 1) times mostly from Germany, United States of America, United Kingdom, Italy, Russian Federation, Spain and Lithuania.

6.5 Projects' social media

Today, social media is a very powerful information-sharing tool. People are distributing knowledge, organizing and forming opinions on their activities assisted by social media. At the same time, the concise nature of social media exchanges presents challenges with more sophisticated, scientific knowledge. With this in mind, social media can be used to create an online buzz around specific events or publications through tags and the provision of links to more detailed information materials. Taking this into account, the AI4CSM project currently has two main project social media accounts: Twitter and LinkedIn (see below), to reach various target groups.

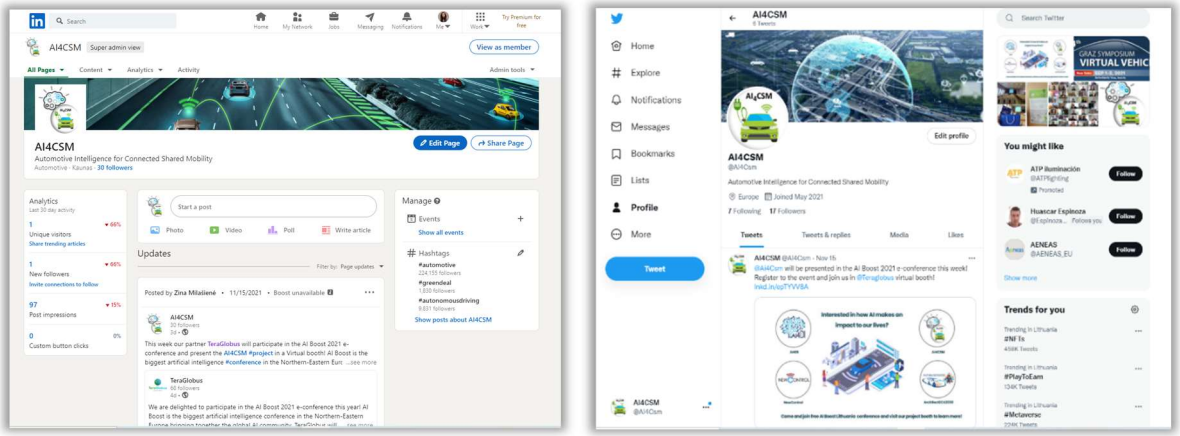


FIGURE 21 AI4CSM TWITTER AND LINKEDIN ACCOUNTS

Presence on Social Media enables the project to:

- To create awareness
- Promote AI4CSM identity and build a strong reputation
- Engage and encourage stakeholders and the public in dialogue
- Disseminate project news, results, actions and events.

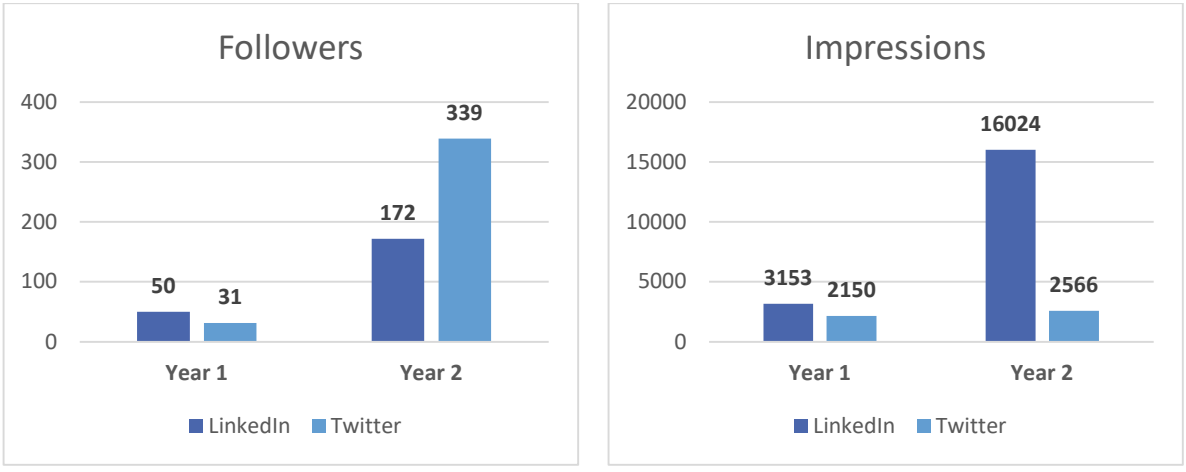
The main recipients of the shared information are the followers. In reality, the posts reach significantly broader audiences, because they are shared by partners, and having extensive networks.

At the end of the first reporting period AI4CSM has 50 followers on LinkedIn. The AI4CSM account was visited 273 times. Twelve posts reached 3153 impressions. On Twitter AI4CSM had 31 followers. The profile of the project was visited 2492 times. Eleven tweets reached 2150 impressions.

TABLE 6 AI4CSM SOCIAL MEDIA STATISTICS

Metrics	LinkedIn		Twitter	
	Year 1	Year 2	Year 1	Year 2
Followers	50	172	31	339
Posts	12	32	11	25
Visits	273	460	2492	No data
Impressions	3153	16024	2150	2566

At the end of the second reporting period, AI4CSM had 172 followers on LinkedIn. The account was visited 460 times, and 32 posts reached 16024 impressions. On Twitter, AI4CSM had 339 followers. Twenty-five posts reached 2566 impressions.



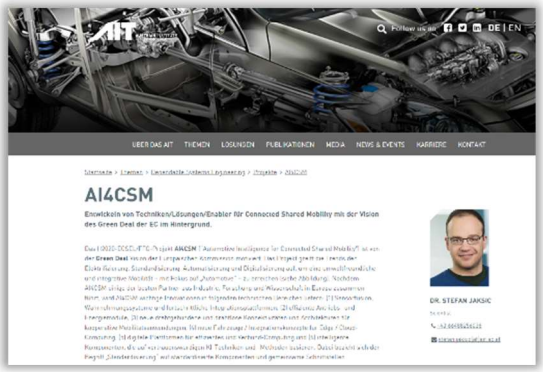
Total followers in Year 2 - **511** Total impressions in Year 2 - **18590**

FIGURE 22 AI4CSM SOCIAL MEDIA ANALYTICS

The quantitative analysis will be updated at the end of the last reporting period. It is expected that numbers of posts, followers, impressions and etc will significantly increase until the end of the project, because of the final interesting results comprehensive dissemination.

6.6 Other dissemination on the web

The consortium members, being a part of the dissemination strategy, provided information about the AI4CSM project from their respective websites or share the information in specific press release cases (magazines, etc.). This information usually includes a short project description, main goals and objectives, and links to the project's website. This opened a door to broad dissemination by providing an important link to consortium members' clients and contacts, operating in relevant associated market sectors.



Another EC-funded project in shared mobility is the on-going **AI4CSM** project, uniting 41 project partners in ten European and non-European countries, including India. The project was presented by Jochen Koszescha, Senior Director Funding Projects & Coordination at Infineon. Its vision is to build Europe's intelligent electronic component and systems for ECA2030 vehicles supporting European mass market production, manufacturability and scalability based on the Green Deal principles. The solutions developed within the program's six objective will address the central trends: electrification, standardisation, automatization, and digitalisation.

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FIGURE 23 EXAMPLES OF AI4CSM RELATED PRESS RELEASE

Therefore, the information about AI4CSM is shared by such important organizations as the European commission, ECSEL JU, Artemis Industry Association, etc. The list of public AI4CSM dissemination cases and links on the web are submitted below. The list is periodically updated with the newest online dissemination cases.

TABLE 7 THE LIST OF PUBLIC AI4CSM DISSEMINATION CASES ON THE WEB

Date and place of publication	Details
CORDIS	https://cordis.europa.eu/project/id/101007326
KDT JU	https://www.kdt-ju.europa.eu/projects/ai4csm
01.05.2021, EDI home page and social networks	https://www.edi.lv/en/edi-gets-involved-in-the-development-of-electronic-components-systems-and-architectures-for-the-electric-connected-autonomous-and-shared-cars-of-the-future/
Virtual Vehicle Magazine Issue31/2021	https://www.v2c2.at/wp-content/uploads/2021/06/VVM-31_v11_FINAL_WEB.pdf
IMA website	https://www.ima.cz/research-and-development/grant-projects/international-projects-ongoing/ai4csm/?lang=en
AIT website	https://www.ait.ac.at/themen/dependable-systems-engineering/projects/ai4csm
TUGRAZ website	https://graz.pure.elsevier.com/en/projects/ai4csm-automotive-intelligence-forat-connected-shared-mobility https://www.tugraz.at/institute/ist/research/group-wotawa/projects/
BUT website	https://www.vut.cz/vav/projekty/detail/31960
TUDelft website	http://microelectronics.tudelft.nl/Research/project.php?id=186&ti=53
Bundesministerium für Bildung und Forschung	https://www.elektronikforschung.de/projekte/ai4csm
Austrian Research Promotion Agency	https://projekte.ffg.at/projekt/3984522
BYLO	https://www.bylogix.it/2020/01/28/ai4csm/
TUW website	https://www.tuwien.at/en/mg/cstat/projects/news/ai4csm-automotive-intelligence-for-connected-shared-mobility
HSO website	https://ines.hs-offenburg.de/en/forschung/elektromobilitaet/ai4csm
SSol website	https://www.smartsol.lv/
WITTE Automotive, IMA InfoDay 2021: Innovations in historical setting	https://www.witte-automotive.com/IMA-InfoDay-2021--Innovations-in-historical-setting_1836.aspx
TUDO website	https://ewa.etit.tu-dortmund.de/forschung/projekte/ai4csm/
FFG website	https://projekte.ffg.at/projekt/3984522
TTTech press release	https://www.tttech.com/ta2022-sustainable-mobility
UNIMORE website	https://hipert.unimore.it/

6.7 Scientific Articles and Open Access

With the cooperation of other consortium members, research outputs of the AI4CSM are disseminated in international society journals and conferences, as well as via various technology platforms and seminars. Beneficiaries publish papers on the project and present these publications and the entire project at European and national conferences and exhibitions, both those oriented to RTD and those more oriented to industry. During the first year of the project, five scientific publications where AI4CSM-related work was acknowledged were prepared, three of them have been already published. In the second year 25 additional publications were prepared and shared with consortium for internal approval. Published publications are available on the AI4CSM website. The full list of articles is provided in the table below.

TABLE 8 AI4CSM RELATED PUBLICATIONS

No.	Partner	Authors	Title of publication	Title of periodical or the series/conference
1.	SINTEF, AVL, NXP, NXTECH	Ovidiu Vermesan, Reiner John, Patrick Pype, Gerardo Daalderop, Kai Kriegel, Gerhard Mitic, Vincent Lorentz, Roy Bahr, Hans Erik Sand, Steffen Bockrath, Stefan Waldhör	Automotive Intelligence Embedded in Electric Connected Autonomous and Shared Vehicles Technology for Sustainable Green Mobility	Journal "Frontiers in Future Transportation"
2.	VGTU	Tadas Lenkutis, Darius Viržonis, Aurimas Čerškus, Andrius Dzedzickis, Nikolaj Šešok, Vytautas Bučinskas	Automotive ferrofluidic electromagnetic system for energy harvesting and adaptive damping	Article in journal "Sensors"
3.	AIT	Erwin Schoitsch, Amund Skavhaug	DECSoS 2021, Introduction to the workshop - European Research and Innovation Projects in the Field of Cyber-Physical Systems and Systems-of-Systems (Selective Overview)	Springer LNCS 12853, p. 2 - 9
4.	TUG	Liliana Marie Prikler and Franz Wotawa	Challenges of testing self-adaptive systems	26th ACM International Systems and Software Product Lines Conference (SPLC 2022)
5.	TUDR	Uwe Hentschel, Fiete Labitzke, Martin Helwig, Anja Winkler and Niels Modler	Aspects of foreign object detection in a wireless charging system for electric vehicles using passive inductive sensors as example	MDPI Vehicles journal
6	UNIMORE	Andrea Bernardi, Gianluca Brilli, Alessandro Capotondi, Andrea Marongiu, Paolo Burgio	An FPGA Overlay for Efficient Real-Time Localization in 1/10th Scale Autonomous Vehicles	2022 Design, Automation & Test in Europe Conference & Exhibition (DATE)
7	TUWIEN	Marcus Mayrhofera, Peter Filzmosera	Multivariate outlier explanations using Shapley values and Mahalanobis distances	

8	SINTEF, AVL, IMEC	Ovidiu Vermesan, Cristina De Luca, Reiner John, Marcello Coppola, Bjorn Debaillie, and Giulio Urlini	Ethical Considerations and Trustworthy Industrial AI Systems	
9	SINTEF, AVL	Ovidiu Vermesan, Marcello Coppola, Reiner John, Cristina De Luca, Roy Bahr and Giulio Urlini	Current Challenges of AI Standardisation in the Digitising Industry	
10	Ssol, IFAG	Ilias Panagiotopoulos, George Dimitrakopoulos	An On-board Autonomous Decision Making Functionality for Driving Style Reconfigurations in Intelligent Connected Vehicles	2022 Design, Automation & Test in Europe Conference & Exhibition (DATE)
11	AIT, TUGraz, VIF	Masoud Ebrahimi, Christoph Striessnig, Roderick Bloem, Joaquim Castella Triginer, Christoph Schmittner	Identification and Verification of Attack-Tree Threat Models in Connected Vehicles	SAE 2022 Intelligent and Connected Vehicles Symposium
12	VIF, TUGraz	Allan Tengg, Michael Stolz and Joachim Hillebrand	A feasibility study on a traffic supervision system based on 5G communication	MDPI Journal
13	TUG	Liliana Prikler and Franz Wotawa	A Systematic Mapping Study of Digital Twins for Diagnosis in Transportation	Journal: IEEE Intelligent Transportation Systems Transactions
14	TUD	Vincent Latzko, Osel Lhamo, Mahshid Mehrabi, Christian Vielhaus, Frank H. P. Fitzek	Energy-Aware and Fair Multi-User Multi-Task Computation Offloading	2023 International Conference on Computing, Networking and Communications (ICNC) in the track of Edge Computing, Cloud Computing and Big Data.
15	VGTU	Mantas Makulavičius, Rokas Bagdonas, Karolina Lapkauskaite, Justinas Gargasas, Andrius Dzedzickis	Autonomous Mobile Flock Traffic Simulation in Digital Twin Mode	Automation 2023 (27th Conference on Automation - Innovations and Future Perspectives)
16	IFAG	Zunnurain Ahmad, Khai Yuan Chang, Heinrich Heiss, Hans-Dieter Wohlmuth	Integrated Antenna Module for 5G Applications	17th European Conference on Antennas and Propagation
17	VIF	Lukas Schichler, Karin Festl, Michael Stolz, Daniel Watzenig	AI-based path planning for controller performance validation	--
18	VIF	Karin Festl, Michael Stolz and Daniel Watzenig	Multi-objective path tracking control for car-like vehicles with differentially bounded n-smooth output	-
19	BUT	Lukas Zezula and Petr Blaha	Model-Based Fault Indicators Estimation of PMSMs under	will be submitted for IEEE CDC 2023

			the Inter-Turn Short Circuit Fault	
20	HSO	Stefan Haehnlein, Jan Philipp Degel, Christian Kloeffer	Online identification of semiconductor switching times in inverters with inductive load using an FPGA and potential separated comparators	NCON conference
21	HSO	Jan Philipp Degel, Stefan Haehnlein, Lars Boschert, Christian Kloeffer, Martin Doppelbauer	Extended algorithm for current slope estimation in inverter fed synchronous machines	NCON conference
22	AIT	Anja Dakic, Benjamin Rainer, Markus Hofer, Thomas Zemen	Frame Error Rate Prediction for Non-Stationary Wireless Vehicular Communication Links	PIMRC conference in Toronto (https://pimrc2023.ieee-pimrc.org/).
23	BUT	Michal Kozubik, Libor Vesely, and Pavel Vaclavek	Real-time Implementation of Population Based Nonlinear Model Predictive Speed Control of Interior Permanent Magnet Synchronous Motor	to journal IEEE Transactions on Industrial Electronics
24	BUT	Ondrej Bartik	Sensorless velocity control of a mechanical actuator endpoint with the feedback compensation of oscillations	IEEE IECON 2023 conference
25	BUT	Matus Kozovsky, Ludek Buchta, Petr Blaha	Implementation of ANN for PMSM interturn short-circuit detection in the embedded system	IEEE IECON 2023 conference
26	BUT	Ludek Buchta, Matus Kozovsky	Online neural network application for compensation of the VSI voltage nonlinearities	IEEE IECON 2023 conference
27	BUT	Lukas Zezula, Petr Blaha	Discrete-Time Modeling of PMSM for Parametric Estimation and Model Predictive Control Tasks	IEEE IECON 2023 conference
28	BUT	Michal Kozubik, Pavel Vaclavek	Supervised Learning Assisted Reduction of Finite Control Set Nonlinear Model Predictive Speed Control of PMSM	IEEE IECON 2023 conference
29	VIF	Karin Festl, Patrick Promitzer, Daniel Watzenig and Huilin Yin	Performance of Graph Database Management Systems as route planning solutions for different data and usage characteristics	IAVVC 2023 conference
30	TUD	Vincent Latzko, Christian Vielhaus, Mahshid Mehrabi, Frank H. P. Fitzek	Analysing and Learning Low-Latency Network Coding Schemes	19th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob) (WiMob 2023)

The last fourteen publications are submitted for the consortium for approval and will be published in near future.

Because under Horizon 2020, each beneficiary must ensure open access to all peer-reviewed scientific publications relating to its results, consortium members made every effort to publish with 'golden path' open access in Open Access Journals for Publishing, on OpenAIRE, or to publish via 'green path' open access. According to the list, all publications are or will be open access after publishing.

6.8 Project videos

Videos are a very important dissemination tool, which helps to explain complex contexts in an easily understandable way. They usually reach the broadest audiences and help to reach the general public. Videos show how sophisticated technologies are adopted and used in daily life. In the second year, AI4CSM partners started the general video creation process. It will be finalized in the last reporting period and possibly demonstrated already in the second review meeting. Several technical videos are also under preparation and will be distributed to the public in the near future.

7 Communication and dissemination strategy evaluation

The evaluation of a communication and dissemination strategy covers both qualitative and quantitative indicators. The process evaluation will include an examination of the progress made in implementing the plan. It will relate to outreach activities, which can be measured by the number of scientific articles, material distributed, the number of events attended, production and dissemination of messages and documents, media presence, and flow on social media.

There are several very important issues with measuring and controlling our advertising strategy and plan. The objectives chosen must be realistic, clearly defined, relevant, and coherent; measuring instruments must be objective, clearly defined and quantifiable, and the measurement process must not involve high costs concerning the objectives themselves. The evaluation shall be as continuous or gradual as possible, in particular non-repetitive. Finally, when measuring different actions, it must be possible to compare them slightly with other activities and/or alternatives.

TABLE 9 AI4CSM COMMUNICATION AND DISSEMINATION MEANS AND RESULTS

Means of AI4CSM communication and dissemination	Reason for the means	Results	Means of evaluation
Presentation of AI4CSM at various international, national and regional conferences, symposia, workshops, and info days	Informing a wide range of audiences about the AI4CSM and ECSEL JU; discussion opportunities with stakeholders	33 events attended (22 in Year 2)	Number of events
Communication via the AI4CSM website	Informing a wide range of audiences about the AI4CSM	The website was visited 4468 times for 2 years (2347 new visits in Year 2)	Increase of unique visitors to the AI4CSM website

Communication via AI4CSM Twitter account	Instant information about the project developments and events	339 followers of the account (308 new followers in Year 2). 2566 impressions were reached during the Year 2.	Account followers; people visiting the account; number of impressions
Communication via AI4CSM LinkedIn account	Instant information about the project developments and events	172 followers of the account (122 new followers in Year 2). 450 visits and 16024 impressions reached during the Year 2.	Account followers; number of impressions
AI4CSM publications in scientific journals, conference papers, and other scientific articles	Informing the scientific community about the results of the research and development	30 publications prepared (25 new publications in Year 2).	Number of articles

Useful measurement of "impact" is vital for maintaining proper control of operations and for cost-effectiveness.

Achievement is often more challenging to measure and compare and therefore needs to be carefully evaluated and evaluated for a specific type of action. In AI4CSM, scientific articles are potential success indicators.

Relationships will be judged based on whether or not we reached our target audience. The evaluation will focus on process and outcome indicators and tools. Process evaluation refers to outreach activities that can be measured by the number of visitors involved in the amount of material distributed from the audience, the production and distribution of messages and materials, and efforts to work with the media. Outcome Measurement investigates campaign results that have a direct or short-term impact on the target audience.

The tools, products, and activities described in this document will be continuously monitored, measured, evaluated, and re-adjusted.

8 Conclusions

The AI4CSM Consortium has developed this first blueprint for the use and dissemination of the foreground to ensure widespread distribution and communication. It will continue to update this document throughout the project life. According to the plan, the project created a collective visual identity and presence on the Internet, and a print and publication dissemination plan. The AI4CSM project was presented at exhibitions, conferences, and seminars where members of the consortium actively promoted the project and participated in the networking. In addition to the activities already mentioned, consortium partners are active in many industry federations, research groups, and standardization bodies and will actively assist in disseminating project information.

The communication strategy covers scientific results, technological advancements, and success stories in industrial applications and therefore reaches out to industry, regulatory authorities, the research community, and the public by organizing dissemination events, seminars, publications, and presentations. The combination of channels and tools ensures that we reach a broad audience and target a variety of stakeholders. Communication about the AI4CSM project is tailored to the needs of many different audiences, beyond the project community itself. Dissemination events is also used not just to present specific project results, but also to represent the whole project itself. Fairs and exhibitions where any interest group could be reached and learn more about project developments and technologies are exploited.

By addressing these communication and dissemination channels, we will make full use of the results of the project, as each partner of the consortium will be actively involved in this activity, thus ensuring wide dissemination of information.

The AI4CSM Consortium has the knowledge, communication, and technology value to develop and implement a plan that ensures proper and wide dissemination and communication of the project and its results.

This deliverable is a "live document," and the consortium intends to adapt and update this document during the project as required.

9 References

[1] European Commission H2020 Common Support Centre/J5, Dissemination and Exploitation in Horizon 2020

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