

Grant Agreement number: 101147454

Project acronym: DEMOQUAS

Project title: DEsiging, Manufacturing and Operating Quantification of Uncertainties to increase Aviation Safety

Type of action: HORIZON Research and Innovation Actions



WP7 “Dissemination, Communication and Exploitation”
T7.1.1 “Dissemination Strategy Development”
WP leader “STAM”

Dissemination, Exploitation and Communication Plan v.2 [7.2]

Delivery type:	Report
Lead beneficiary:	STAM
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Contributions:	All
Contractual delivery date:	31st of October 2025
Delivery date:	31st of October 2025
Dissemination level:	PU - Public

Information Table

Project Title	DEsigning, Manufacturing and Operating Quantification of Uncertainties to increase Aviation Safety
Project Acronym	DEMOQUAS
GA n.	101147454
Project Coordinator	Aristotelio Panepistimio Thessalonikis (AUTH)
Project Duration	36 months
Deliverable n.	D7.2
Deliverable title	Dissemination, Exploitation and Communication Plan
Deliverable description	R - Document, report
Dissemination level	PU - Public
Work Package	WP7 – Dissemination, communication & exploitation
Task	7.1
Lead Beneficiary	STAM
Contributing beneficiary/ies	All
Due date of deliverable (month)	18
Submission date	31 st of October 2025

History of Changes

Version	Date	Author/Contributor	Changes
1.0	17/10/2025	STAM	Submission for peer review
2.0	30/10/2025	STAM	Final version

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Executive Summary

The deliverable D7.2 “Dissemination, Exploitation and Communication Plan v.2” provides an updated overview of the project’s strategy and concrete actions related to the dissemination, exploitation, and communication of DEMOQUAS results. It builds upon the foundations set in *D7.1 (M6)*, revising and expanding the initial plan to reflect the progress achieved and lessons learned during the first 18 months of the project (M18).

The main objective of **WP7** is to ensure the effective dissemination and exploitation of project results through a well-structured and coordinated approach. This deliverable describes the dissemination, exploitation, and communication framework implemented by the consortium to reach identified target groups and relevant stakeholders, and to maximize the project’s visibility and impact.

During the first 18 months, the consortium has actively implemented dissemination and communication activities, including the establishment of the project’s visual identity, the launch of the official website and social media channels, the publication of promotional materials, and participation in relevant conferences, workshops, and networking events. These activities have supported the promotion of DEMOQUAS objectives and preliminary results, while fostering engagement with external stakeholders and related initiatives.

The **Dissemination, Exploitation and Communication (DEC) Plan** presented in D7.2:

- Provides an overview of the project’s objectives, activities, and outputs;
- Details the dissemination and communication actions undertaken up to M18 and those planned for the next period;
- Lists key dissemination events relevant to the DEMOQUAS project;
- Outlines the initial exploitation strategy and roadmap for maximizing the use and uptake of project results.

The DEC Plan remains a **living document**, to be continuously updated and refined throughout the project’s duration. Its main outcomes will be covered in **D7.4 Stakeholder Engagement Report** and **D7.5 Commercialization and Exploitation Plan**, both expected in M36.

List of abbreviations

Abbreviation	Full Meaning
B2B	Business-to-Business
CA	Clean Aviation
DEC	Dissemination, Exploitation and Communication
EASA	European Union Aviation Safety Agency
EC	European Commission
ECCM	European Conference on Composite Materials
EASN	European Aeronautics Science Network
EATS	European Airline Aviation Training Symposium
EU	European Union
GA	Grant Agreement
H ₂	Hydrogen
ICE	International Converting Exhibition
IP	Intellectual Property
IPR	Intellectual Property Rights
ISABE	International Society for Air Breathing Engines
JEC	Journées Européennes des Composites (European Composites Show)
KER	Key Exploitable Result
KPI	Key Performance Indicator
MDPI	Multidisciplinary Digital Publishing Institute
M	Month (project timeline reference, e.g., M6, M18)
NGO	Non-Governmental Organization
OA	Open Access
PHM-Europe	Prognostics and Health Management Conference Europe
PU	Public
R&D	Research and Development
R&I	Research and Innovation
SAF	Sustainable Aviation Fuel
TRL	Technology Readiness Level
UQ	Uncertainty Quantification
WP	Work Package

1. Introduction

The deliverable D7.2 “Dissemination, Exploitation and Communication Plan v.2” summarises the project beneficiaries’ strategy and concrete actions related to the spread of the project results. The main objective of WP7 is to execute a comprehensive strategy for dissemination of results to the scientific community, communicate them to the general public and pave the way for an effective exploitation of the results during and after the project’s timeframe, while ensuring a balanced and transparent IPR management.

This document outlines the strategies adopted to raise awareness, engage stakeholders, and promote DEMOQUAS objectives and early results through a combination of targeted dissemination, exploitation, and communication actions. It also identifies dissemination and publication opportunities across the consortium, enabling partners to prepare scientific contributions, attend relevant conferences, and strengthen the project’s visibility within the energy and innovation communities.

Finally, D7.2 serves as both a reporting and planning tool — providing an overview of the DEC activities carried out to date, while setting the direction for the next phases of the project.

1.1 Structure of the Deliverable

To cover all the previously introduced topics in a comprehensive way, this deliverable has been organised as follows:

- Section 1 is an introduction to the deliverable and its contents.
- Section 2 gives a brief overview of the DEC strategy.
- Section 3 highlights the target groups and stakeholder involvement timeline.
- Section 4 describes the communication roadmap and main elements.
- Section 5 describes the dissemination activities and a future list of targeted activities.
- Section 6 gives an overview of the exploitation and IPR strategy and activities.
- Section 7 presents the conclusions of this document.

1.2 Relation to Other Tasks and Deliverables

This deliverable builds upon the foundations laid in *D7.1 (M6)*, which defined the initial framework of the DEC Plan for the full duration of the project. While D7.1 focused on the preliminary planning of the dissemination, exploitation and communication strategy, D7.2 updates and expands it to incorporate the results obtained so far, lessons learned, and evolving project priorities. The plan remains a living document, adaptable to emerging opportunities and needs throughout the project’s lifetime.

The DEC Plan relies on the technical outcomes and developments achieved within all technical Work Packages, as dissemination, exploitation and communication activities are closely interlinked with the project’s scientific and technological progress. Its effective implementation involves the active participation of the entire consortium to ensure coherent, timely and impactful communication of project results.

2. Overall Communication, Dissemination and Exploitation Strategy

The aim of the deliverable is to revise the overall strategy of DEMOQUAS, from day one, to define the goals of DEC activities, to identify the most efficient means to achieve them, and decompose them into a detailed implementation plan. To this end, the DEC plan sets out the objectives, tools, materials, and channels to be exploited to effectively spread DEMOQUAS activities, achievements and tangible results to target audiences.

The approach to ensure the project achieves a positive exploitation and commercialization outcome, are multi-faceted, and involve interactions with all key partners who are part of the application and testing activities. More specifically, the intention is that, initially, the focus is on gathering information and data from all partners regarding the exploitation intentions and IP position. The thematic areas have already been established in the GA, and IP discussion was centred on these, whilst exploring opportunities for additional IP generated during the project. Dissemination activities were undertaken starting from the beginning of the project targeting all relevant stakeholders. Under the leadership of STAM, all partners are proactively contributing to dissemination & stakeholders' engagement. The activities are monitored through bi-monthly calls, in addition to the general project meetings. The dissemination and stakeholders' engagement strategy consists of two main phases:

2.1 First phase dissemination activities

Raising interest among stakeholders (M6-30) on-going. Create project visibility about the project and its impact in aviation's safety via iteration of novel UQ methods in the design process of hydrogen (H₂) and/or sustainable aviation fuel (SAF) powered propulsion technologies, via interest raising activities, making use of common project visual identity, project website and distributing public dissemination material (leaflets etc.). The project and its preliminary results (e.g., from WP7 – particularly pushing the future uptake/review and critical analysis of results) were launched during the end of the first year of the project, and a relevant event in cooperation with sister projects was organized before M18. In this phase, **stakeholders are being engaged to provide insights** into the development of DEMOQUAS concept.

2.2 Second phase dissemination activities

Exploitation-oriented dissemination of results and promotion beyond the project (M30-M36). The goal is to stimulate future uptake of the concept and enhance technical activities performing critical analysis towards the project's advancements to more mature paths (i.e., Fast track & Innovation).

2.3 Dissemination activities after the project end

Even after the project termination, there will still be a high possibility to support and promote the project impact to a wider community. All results will be available for consultation and exploitation, and this will be facilitated by appropriate dissemination activities. The DEMOQUAS website will be sustained after the end of the project for at least three years, to provide all interested stakeholders with information on project achievements, findings and details on who to contact and how for more information about the

project afterlife. Considering the close synergies which exist between the backgrounds of each partner, DEMOQUAS outcomes will be jointly exploited after the project.

2.4 Activities timeline and action plan

The figure below aims at showing a visual planning of the key official deadlines for WP7 already planned for the 36 months of the project. It shows the expected dates for deliverable publication, website upload and updates, and project newsletter publication. Concerning the events and publications, the data is collected at the end of every year and shared in deliverables and periodic reports.

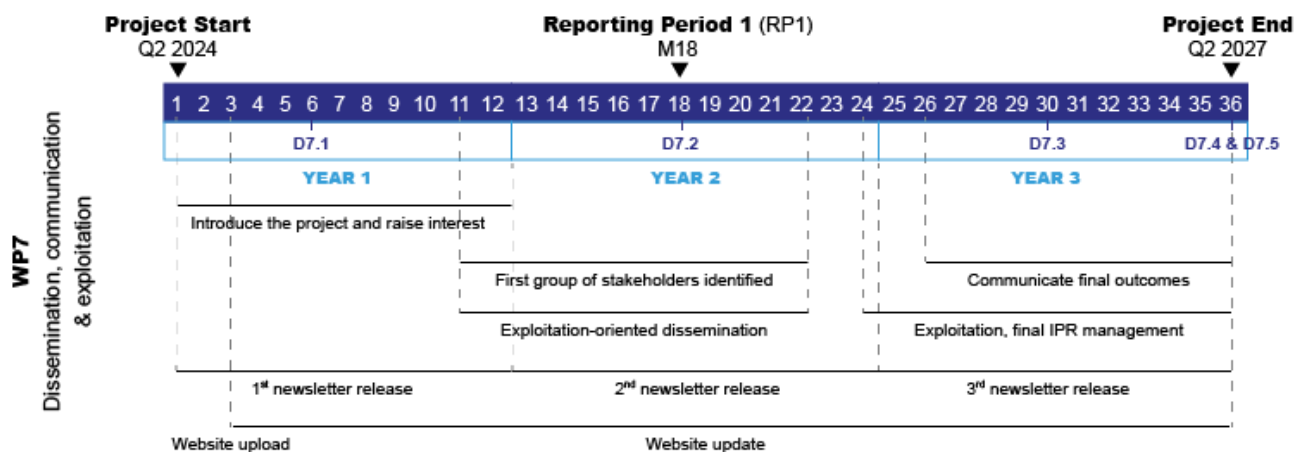


Figure 1. DEMOQUAS timeline

The DEMOQUAS communication strategy is flexible and allows its elements to be adapted in the face of new challenges and opportunities to ensure the project’s success.

2.5 Dissemination reporting

The participation of any partner in an event as well as the performance of every dissemination activity related to the DEMOQUAS project must be approved beforehand by the Project Coordinator and the Dissemination Leader. The Dissemination Leader supports the Project Coordinator and the Consortium in planning and monitoring the dissemination activities.

Each publication/ communication must contain the following clauses:

“Funded by 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 CINEA. Neither the European Union nor the granting authority can be held responsible for them.”

Also, the logo of the European Union should be included:



In addition, Article 17 of the Grant Agreement provides further details on the dissemination requirements established by the EC.

An important part of conducting and assessing dissemination activities is to report them correctly. DEMOQUAS does this by requesting a “dissemination report” from all partners, whenever a relevant dissemination activity is conducted (presenting the project results at an event or organising a dedicated event for the project).

The intent is to fill in the template immediately after a dissemination event, to avoid losing or forgetting any information. An excel file was shared with the consortium to register the dissemination activities and details. Furthermore, all the related materials (pictures, minutes, proceedings, presentations, brochures, etc.) need to be shared with the dissemination leader and the coordinator, in order to promptly make them available on social channels and website.

2.6 Performance indicators

In order to assess whether the DEMOQUAS communication and dissemination strategy is efficient, a number of quality check parameters (Key Performance Indicators – KPIs) have been defined, which allows us to evaluate the impact of the dissemination tools and activities deployed and carried out. Throughout the duration of the project these parameters can be adapted or modified according to the project’s evolution. The current status by M18 is showcased below.

Table 1. Dissemination KPIs

Category	KPIs	M18
Number of Papers Published	<10 = Poor, 10-15 = Good, >15 = Excellent	An extended abstract was submitted at COMPDYN 2025 and included in the conference program. More paper are being prepared in this second year of the project. An updated list of relevant publications is provided in the deliverable.
Number of Conferences/Event Presentations	<10 = Poor, 10-15 = Good, >15 = Excellent	13 events have been attended. An updated list of relevant existing events is provided in the deliverable (Table 2. List of events)
Annual Seminars	At least 1 per year on DEMOQUAS	The first seminar was organized in June 2025 in Delft, titled 'Fundamentals of Contrail formation'
PhD Programs	At least 4 specific programs	As of M18, there are 2 PhD specific programs at AUTH. A third one is in the making, and more are being set up at TUD and ICL.
EU Hydrogen Week Event	An event to be organized after the second project year	Initial contacts are already in place

Synergies with Sister Projects	Create synergies with other sister projects	Initial contacts were being made with DIDEAROT, GENEX, UPBEAT, Caelestis and NextAIR. A synergy workshop was organized with GENEX and TOSCA Project. Participation to MORPHO project final event.
Newsletter	At least 1 per year	The possibility to subscribe is already available on the project website and the first newsletter can be found here

Overall, the progress toward the WP7 Key Performance Indicators (KPIs) at Month 18 demonstrates a **solid and consistent advancement** of the DEMOQUAS dissemination, communication, and exploitation activities. The consortium has shown strong commitment to outreach and stakeholder engagement, achieving or being well on track to achieve all targets defined for this stage of the project.

- **Scientific Publications:**

Although the total number of papers published is still under development, this is fully aligned with expectations at M18, given that most technical results are currently being consolidated. The consortium has already identified a list of relevant publication venues and is actively working toward the submission of several papers. This proactive approach indicates a robust pipeline for dissemination in the upcoming period.

- **Conferences and Event Presentations:**

DEMOQUAS partners have **attended 12 events (conferences, exhibitions, symposia etc.)** to date, placing the project firmly within the *Good* performance range. This demonstrates an active presence in the scientific and industrial communities and confirms the partners' commitment to communicating project progress and results at relevant international venues.

- **Annual Seminars:**

The organization of the **first DEMOQUAS seminar in June 2025 (Delft)**, titled 'Fundamentals of Contrail formation', represents a significant milestone. The event successfully gathered experts from academia and industry, fostering exchange and visibility around one of the project's key themes.

- **PhD Programs:**

PhD programs have been successfully initiated or are ongoing at **AUTH, ICL, and TUD**, with the support of STAM and other partners. This engagement ensures the integration of DEMOQUAS research into advanced academic training and contributes to capacity building within the aviation and hydrogen technology sectors.

- **EU Hydrogen Week Event:**

Preparations for the **EU Hydrogen Week participation** are already underway, with initial contacts established. This early planning demonstrates foresight and positions the consortium to maximise visibility during one of Europe's most relevant energy and innovation events.

- **Synergies with Sister Projects:**

The consortium has made **excellent progress in building collaborations** with related initiatives, including DIDEAROT, GENEX, UPBEAT, Caelestis, and NextAIR. Notably, a **joint synergy workshop with GENEX and TOSCA** has already been held, confirming DEMOQUAS's active role in fostering cross-project exchange and knowledge transfer.

- **Newsletter:**

The dissemination framework has been effectively consolidated, with a **subscription mechanism available on the project website** and the **first newsletter already published**. This ensures regular communication with stakeholders and supports continuous visibility of the project's progress.

Overall Evaluation:

At M18, DEMOQUAS demonstrates **strong progress and alignment with its KPI targets**. Most indicators fall within the “Good” range, with several already showing *Excellent* potential in terms of engagement and visibility. The consortium's forward-looking actions — such as planning for the EU Hydrogen Week and consolidating PhD programs and project synergies — underline a proactive and strategic approach to dissemination and exploitation.

The next reporting period (M18–M36) is expected to see a significant increase in outputs, especially in the areas of **scientific publications, exploitation activities, and cross-project collaboration**, further strengthening the project's overall impact.

3. Target Groups and Stakeholder engagement

To maximize the project’s impact, the team aims to develop comprehensive uncertainty quantification (UQ) guidelines that enhance decision-making and policy formulation for emerging technologies. These guidelines will support virtual certification, ensure safety, and improve risk management.

Stakeholders like industrial leaders, policymakers, academia, civil society, citizens, NGOs, and technology providers, will actively be involved through a robust Stakeholder Engagement strategy that ensures their participation at all project phases.

Task 7.2 focuses on engaging relevant stakeholders to promote the future adoption of the developed UQ framework within the aviation sector. The consortium has developed a timeline to involve the stakeholders, which envisaged a first period focused on the identification of stakeholders and how to reach out to them.

After this, the feedback collection phase will start, to be sure to initiate the requirement analysis by the end of year two of the project. Based on this analysis and on the technical developments performed by then, the last part of the task activities will be performed, with the organization of the training for users and the creation of the training resources.

The initial activity for this task, and more in general, for dissemination activities, was the identification of key stakeholders within the aviation industry, including aircraft and engine manufacturers, regulatory bodies, research institutions, and potential end-users. This was done with the creation of the newsletter’s mailing list, the consequent creation of a database, the tracking of participants in public project events and the organization of the synergy workshop.

3.1 Timeline

To accomplish the ambitious goals of the project, the consortium has developed a timeline to involve the stakeholders, which sees a first period (completed) that focused on the identification of the stakeholders and how to reach out to them. To follow that until half of the project life (almost completed), the team engaged this selected pool in relevant awareness raising activities. As of October 2025, the DEMOQUUS stakeholder’s database has over 100 entries. In the next phase, the feedback collection will start, to be sure to initiate the requirement analysis by the end of year two of the project. Based on this analysis and on the technical developments performed by then, the last part of the task activities will be performed, with the organization of the training for users and the creation of the training resources.

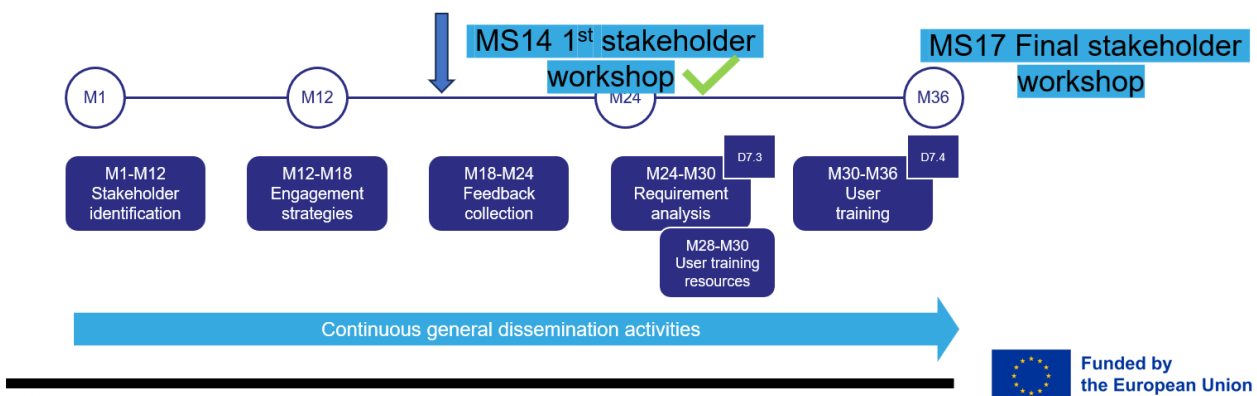


Figure 2. Stakeholder's activities timeline

4. Communication elements

Communication activities have played a central role in shaping the identity and visibility of the DEMOQUAS project. Since the early stages, a coordinated visual and communication strategy has been developed and implemented to support the dissemination of project concepts and results. This section describes the communication assets that have been created and how they have been used and maintained throughout the first 18 months of the project.

4.1 Logo

The DEMOQUAS logo was finalised shortly after the project began, evolving from the proposal version into a refined visual that captures the project's vision. A visual identity guideline was also developed to ensure consistent usage across all materials. More information on this can be found in D7.1

4.2 Website

[The website](#), developed in month 3 by STAM, offers information about the project and its results to various audiences worldwide. It constitutes the main entry point for the dissemination of the project, serving several purposes:

- Institutional information about the project (motivation, objectives, technological approach) and the consortium.
- Public repository for institutional results (public deliverables) and for dissemination materials (scientific papers, presentations, leaflets, etc.).
- News and events related to the project (i.e., conferences, workshops) and to the involved thematic of process industries.
- Useful contacts to have more information about DEMOQUAS work.
- Showcase of training materials.

The website will be maintained and updated regularly, and it will be active for at least 3 years after the end of the project. The main language is English, with some specific translations to other languages of the project partners, especially concerning leaflets and poster, if needed. More information on its structure and development can be found in D7.1

Traffic analytics and engagement data show continued interest and growth in user interaction.

As of the end of M18 of the project, 29 posts have been prepared and published on the project website to keep the public updated on the latest developments.

4.3 Templates

To ensure consistency in communication, Word and PowerPoint templates were created and distributed to all partners before the kick-off meeting. These templates have been used for all deliverables, presentations, and public communication materials, fostering a coherent and professional image of DEMOQUAS. More information can be found in D7.1.

4.4 Leaflets

A project leaflet was designed, printed and digitally published in in the first year of the project, to be distributed at events, workshops, and partner institutions. It summarises the project’s objectives and contact information. The leaflet can be translated when necessary to better reach national stakeholders. It is downloadable from the [dedicated page](#) on the website.

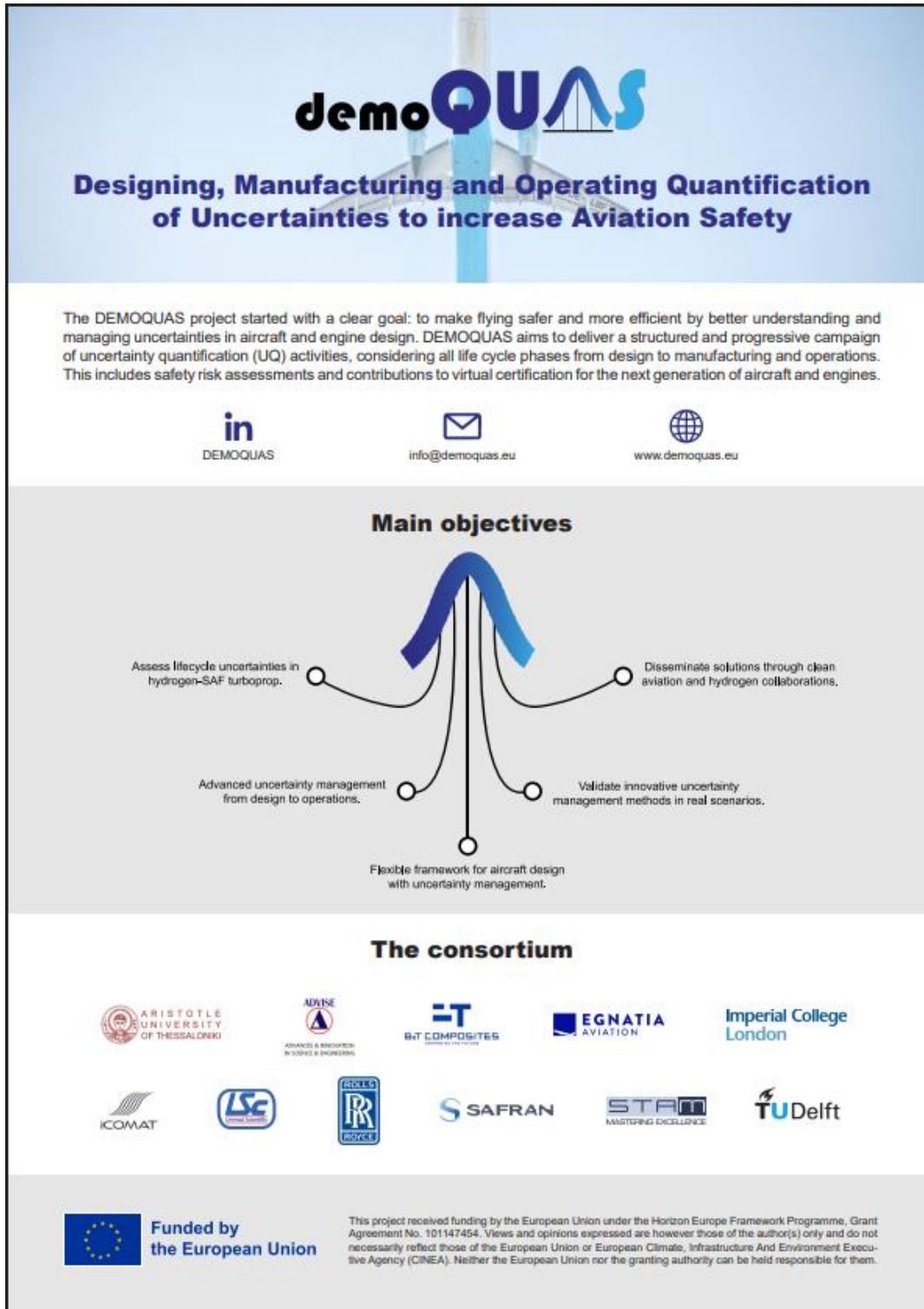


Figure 3. DEMOQUAS leaflet



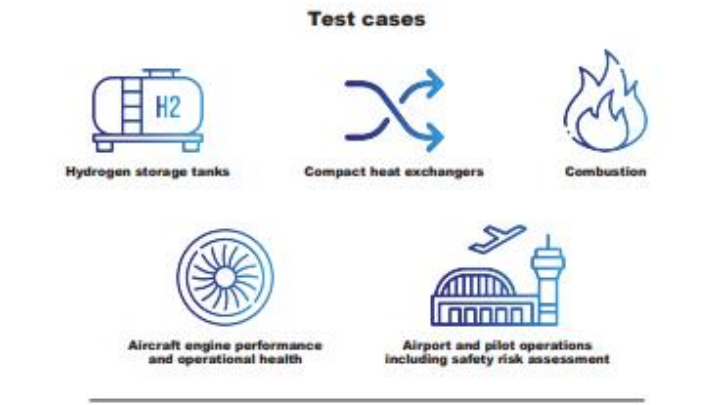
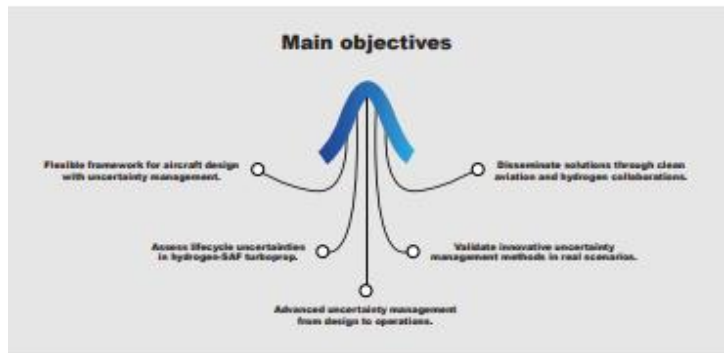
Figure 4. DEMOQUAS leaflet showcased at International Paris Air Show

4.5 Poster and roll-up

A project poster and roll-up were finalised and printed by M12. They have been used at dissemination events and workshops, helping to attract attention and provide a concise overview of the project. Each partner has been responsible for producing translated versions as needed. It is downloadable from the [dedicated page](#) on the website.



The DEMOQUAS project started with a clear goal: to make flying safer and more efficient by better understanding and managing uncertainties in aircraft and engine design. DEMOQUAS aims to deliver a structured and progressive campaign of uncertainty quantification (UQ) activities, considering all life cycle phases from design to manufacturing and operations. This includes safety risk assessments and contributions to virtual certification for the next generation of aircraft and engines.



Funded by the European Union

The project received funding by the European Union under the Horizon Europe Framework Programme, Grant Agreement No. 101147454. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.

Figure 5. DEMOQUAS poster



Figure 6. DEMOQUAS roll-up showcased at ICE Europe

4.6 Newsletter and mailing list

A mailing list has been created on MailChimp to spread project news through newsletters and is regularly updated with contributions from all partners. The first project newsletter was released in the first year of the project, presenting project activities, updates, participation in events, and upcoming actions. It can be found [here](#).



First Newsletter



The DEMOQUAS project started with a clear goal: to make flying safer and more efficient by better understanding and managing uncertainties in aircraft and engine design. A consortium of leading aerospace engineers, researchers, and industry experts in aerospace engineering came together because they saw the need for improved tools and methods to handle the complexities of new aviation technologies.

DEMOQUAS aims to deliver, within 36 months, a structured and progressive campaign of uncertainty quantification (UQ) activities, considering all life cycle phases from design to manufacturing and operations. This includes safety risk assessments and contributions to virtual certification for the next generation of aircraft and engines. This campaign will be supported by verification and validation (V&V) activities using data from the project's industrial partners, SMEs, and RTOs.

The overall activities will pave the way for aviation's transformation, ensuring high safety levels alongside the adoption of green and digital technologies, leading to independent certification.



Figure 7. DEMOQUAS first newsletter header

4.7 Social channels

For the DEMOQUAS project, the [LinkedIn channel](#) was opened immediately while waiting to publish the website. The DEMOQUAS LinkedIn account is constantly updated with news and information related to the project, is a company page, managed by STAM. It has attracted significant attention from professionals in engineering, research, and policy sectors. Posts are published regularly with updates, articles, and event participation. [The YouTube channel](#), created in recent months, hosts the recording from the synergy workshop and will be used, as needed to upload further contents.

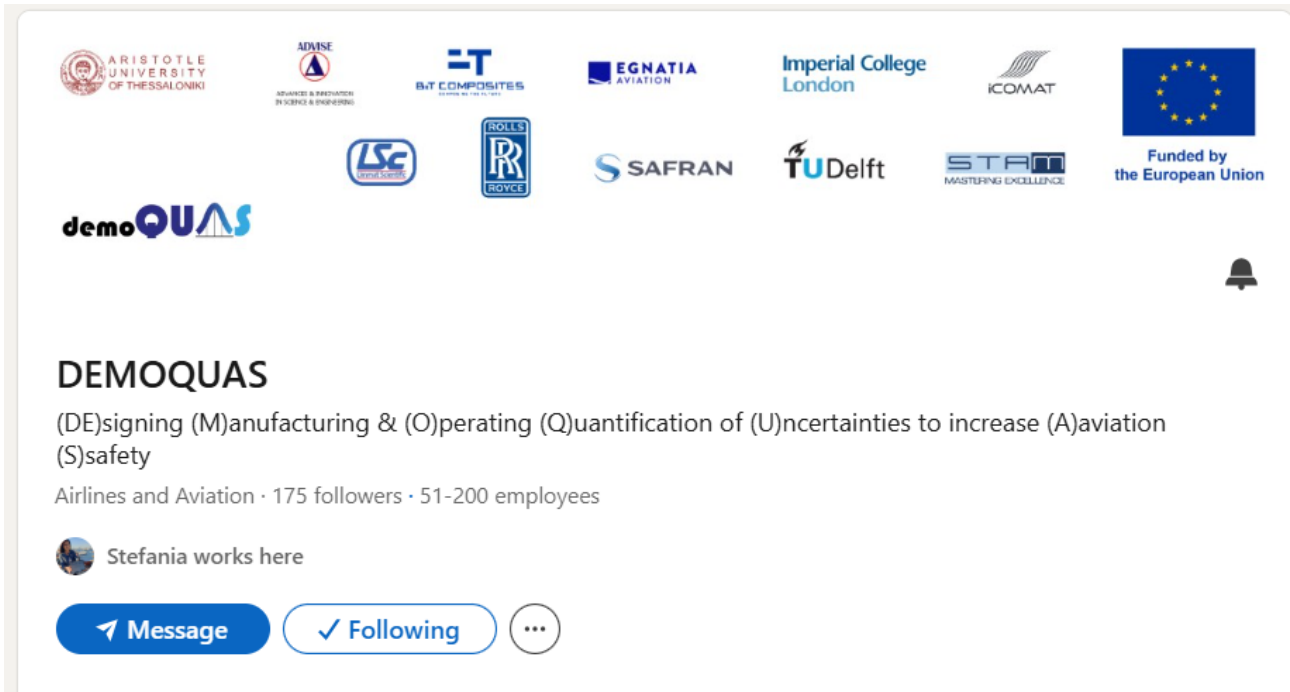


Figure 8. DEMOQUAS LinkedIn header

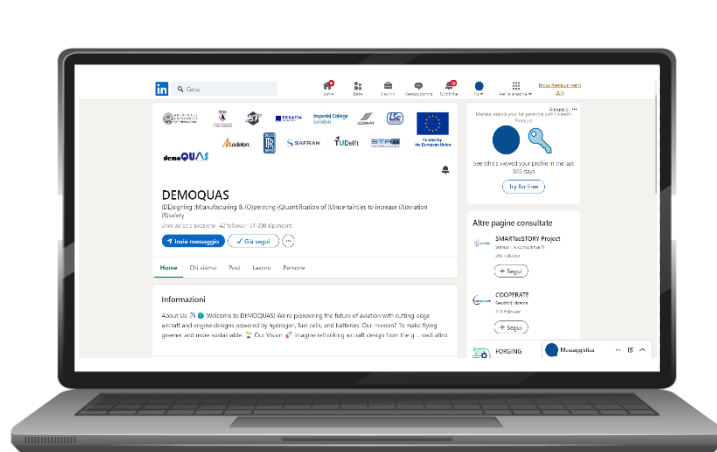


Figure 9. DEMOQUAS LinkedIn page

As mentioned earlier, LinkedIn was the main source of communication since the beginning of the project because the site was under construction. Since then, it has gained traction and is being used to engage with relevant project stakeholders.

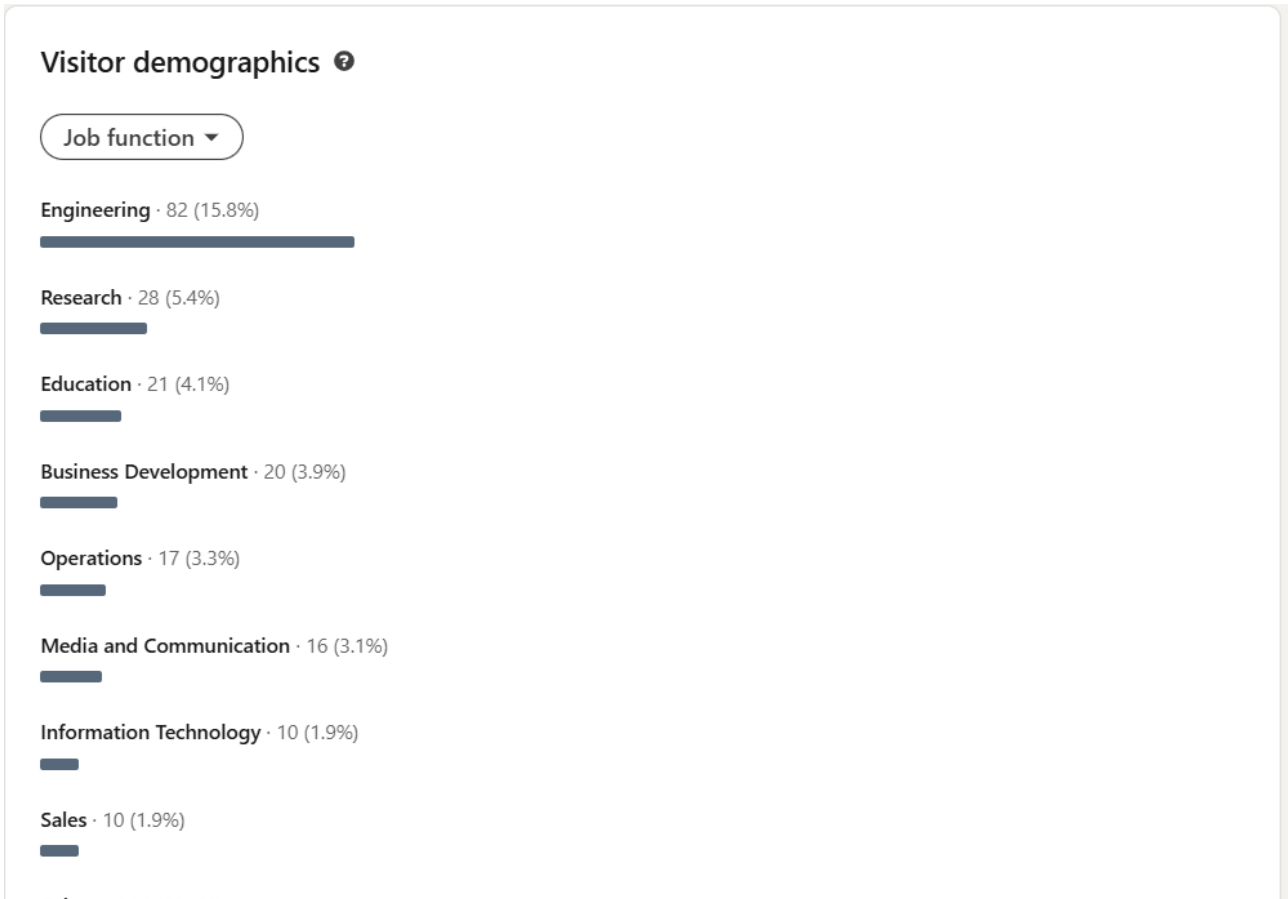


Figure 10. LinkedIn Visitor demographics : Job Function

The largest share of visitors comes from **Engineering**, followed by **Research** and **Education**. The numbers suggest strong engagement from technically oriented and academic audiences, aligned with the nature of research and innovation projects such as DEMOQUAS.

Visitor demographics 🔍

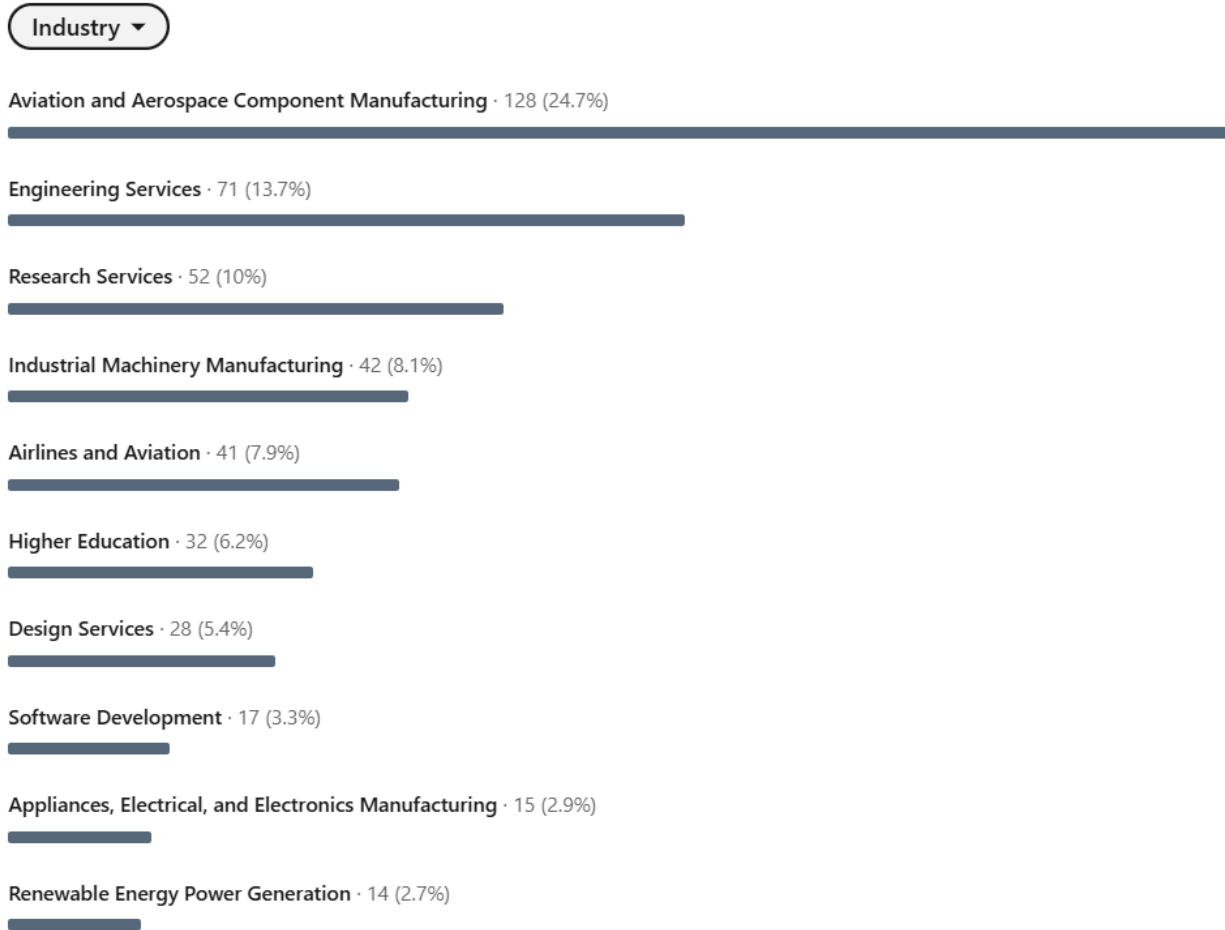


Figure 11. LinkedIn Visitor demographics : Industry

The industry-based demographic profile shows that DEMOQUAS is successfully engaging a **technically diverse yet highly relevant audience**. Nearly two-thirds of visitors (around 60%) come from directly related sectors such as **aerospace, aviation, engineering, and research**, demonstrating the strong alignment between the project’s communication efforts and its target stakeholder groups.

The data confirms that the project’s outreach activities — including event participation, online presence, and visual identity — are effectively positioning DEMOQUAS within the **European aviation innovation landscape** while also attracting interest from adjacent industries involved in **sustainability, digital technologies, and energy transition**.

This trend provides a strong foundation for the next dissemination phase (M18–M36), during which the project will further leverage these connections to support **exploitation, standardisation, and market uptake** of DEMOQUAS solutions.

Visitor demographics ?

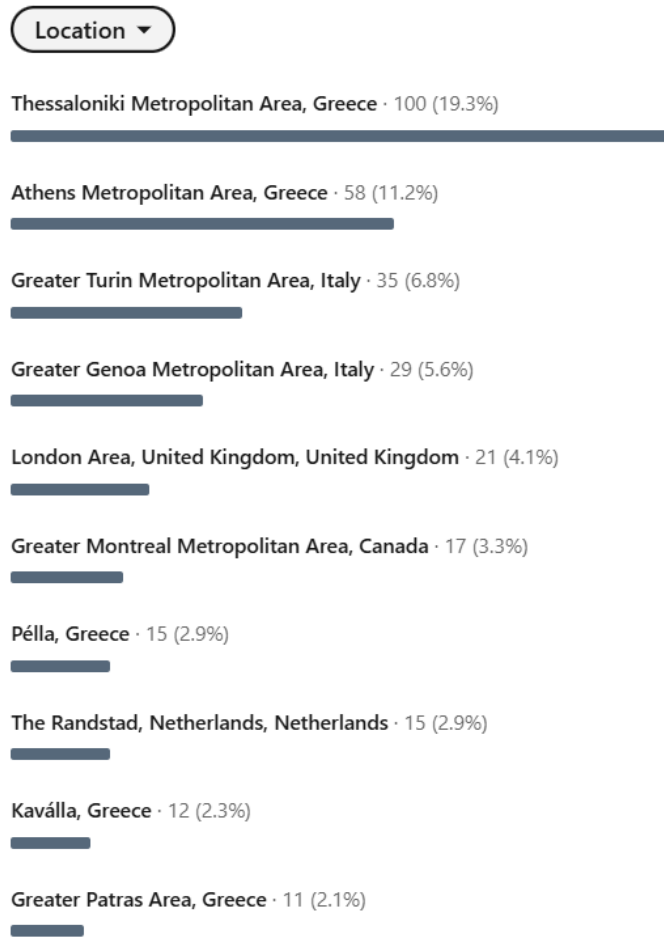


Figure 12. LinkedIn Visitor demographics : Location

The visitor data shows that most users come from Greece, Italy and UK—an expected trend, as these countries are key target locations. They host most partner headquarters, reinforcing the project's strategic regional focus.

5. Dissemination activities

Having described the available tools for dissemination, this section explains the actions that will be carried out as well as what were the activities in the first 18 months of the projects. All the partners contribute and carry out these activities, in order to draw maximum attention toward these project's results.

5.1 Past Workshops, scientific conferences and industrial events

In these 18 months, DEMOQUAS has participated in several high-impact events to share its progress and findings. Project partners have presented at events including Clean Aviation Annual Forum 2025, SESAR, ICE Europe 2025, for a total of 13 events engaging a diverse audience of researchers, industry professionals, European projects and policymakers. Participation in these events has contributed to building synergies with other initiatives and strengthening the project's presence in aviation community.

Table 2. List of events

Clean Aviation Annual Forum 2025	Meeting with policymakers, industry leaders & academic experts
14th EASN International Conference, Thessaloniki, Greece, 8-11 October 2024	Conferences
26th ISABE Conference, Toulouse, France, 23-27 September	Conferences
Advancing Digitalisation and Composite Technologies for Safer, More Sustainable Aviation: EU Project Synergies	Synergy workshop
AIAA Aviation Forum, San Diego CA, 8-12 June 2026	Conferences
ASME Turbo Expo 2024, London, UK, June 24-28	Conferences
ASME Turbo Expo 2025, Memphis, US, June 16-20	Conferences
GPPS Forum 25 (Global Power and Propulsion Society), Zurich, Switzerland, 15-16 January 2025	Clustering activities
ICE Europe 2025	Meetings with industry leaders
JEC World 2025 – The Leading Event for Composite Innovations	Tradeshow
K 2025	Meetings with industry leaders

<p>6th International Conference on Uncertainty Quantification in Computational Science and Engineering (UNCECOMP), Rhodes, Greece, June 15-18, 2025</p>	<p>Conferences</p>
<p>SESAR's ENGAGE 2 Hackathon on runway safety</p>	<p>Hackaton</p>



Figure 13. ASME (The American Society of Mechanical Engineers) Turbo Expo 2025



Figure 14. Aviation Propulsion Technology: Hybrid Electric Propulsion and Hydrogen Fuel – Opportunities and Challenges.



Figure 15. SESAR's ENGAGE 2 Hackathon

5.2 Future Workshops, scientific conferences and industrial events

To make the next 18 months even more successful, the dissemination coordinator collected from the consortium a list of relevant events and activities that either they organize or usually attend, to have an initial baseline for the project.

Below there is the list of the collected events:

Table 3. Dissemination targeted events

Name	Date, Place	Type of participants	Way of dissemination
Advanced Engineering UK 2026	TBA	Composite materials technology providers.	Networking Leaflet handout
AIAA AVIATION Forum	June 8–12, 2026 San Diego, California	The AIAA AVIATION Forum is your direct flight to the forefront of aviation business, research, development, and technology.	Networking Leaflet handout
Air Expo Abu Dhabi	October 14-16, 2026, Abu Dhabi, UAE	The Air Expo Abu Dhabi is an unparalleled global aviation exhibition & conference taking place in the capital of the UAE	Networking Leaflet handout
ASME Turbo Expo 2026	June 15-19, 2026, Milan, Italy	Turbomachinery and propulsion engineering leaders from industry, academia and government	Article publications Tutorials
Clean Aviation Annual Forum 2026	March 17-18, 2026, Brussels, Belgium	Aviation experts, aerospace engineers, technology developers, business developers, regulators (EASA, EUROCONTROL), aviation executives and managers	Networking Leaflet handout
DUBAI airshow	November 17-21, 2025, Dubai, UAE	Aviation experts, aerospace engineers, technology developers,	Synergies with R&D projects, alignment with project in Middle East

		airspace users, air traffic management operators	
EATS (European Airline Aviation Training Symposium)	November 5-6, 2025 Cascais, Portugal	The European Airline Training Symposium (EATS) is Europe's largest aviation training event, designed by and for aviation professionals.	Networking Leaflet handout
ECML (European Conference on Machine Learning)	September 7-11, 2026, Naples Italy	The flagship European machine learning and data mining conference, attracting a worldwide audience.	Networking Leaflet handout Posters
ICE Europe 2027	March 9-11, 2027, Munich, Germany	World's leading exhibition for the conversion of flexible, web-based materials such as paper, film, foil, and nonwovens	Networking Leaflet handout Posters
ISABE 2026	September 20-25, 2026, Mumbai, India	27 th Conference of the International Society for Air Breathing Engines	Article publications Networking
JEC 2026	March 10-12, 2026, Paris, France	It gathers the whole value chain of the composite materials industry and brings together all major global companies, innovative startups in the field of composites and advanced materials, experts, academics, scientists, and R&D leaders.	Networking Leaflet handout Posters
METSTRADE 2025	November 18-20, 2025, Amsterdam, The Netherlands	The world's largest international B2B exhibition for the leisure marine industry.	Networking Leaflet handout
PilotExpo 2026	February 20-21, 2026, Brussels, Belgium	Europe's largest event dedicated to Flight Crew recruitment and training	Possible meetings with EU commission officers Networking Leaflet handout

5.3 Publications

Since publications are one of the most powerful means to disseminate results, both the partners from academia and the industry should use them widely. In fact, publication of project progress and findings is achieved through a combination of industry and academic journal articles, providing in-depth reporting and archival of the research findings. Academic publications are used to stimulate high quality research in the areas that DEMOQUAS covers.

In addition to scientific publications, project documents are prepared for communication purposes, especially during events, and press releases will be sent to relevant media in various countries.

Most project results and reports will be available on the project's website including dissemination material, publications, presentations, and research datasets. The consortium is committed to providing green and gold OA wherever feasible.

Open access journals (further to the new Open Research Europe Platform) that provide open peer review have been already identified, including:

- EU's platform on Open Research Europe (<https://open-research-europe.ec.europa.eu/>)
- MDPI (Aerospace, Safety),
- Elsevier (Comput. Methods Appl. Mech. Engineering, Journal of Computational Physics, Applied Energy, Aerospace Science and Technology)

Also, proceedings from the following conferences are being considered. The list is continuously updated in connection with the consortium.

Table 4. Possible events for publications

AIAA AVIATION Forum	June 8–12, 2026 San Diego, California	Double-blind review
ASME Turbo Expo 2026	June 15-19, 2026, Milan, Italy	Double-blind review
ECML conference	September 7-11, 2026, Naples, Italy	Double-blind review
ISABE 2026	September 20-25, 2026, Mumbai, India	Reviewing path based on author's choice
phm-europe	TBA	Double-blind review
PilotExpo 2026	February 20-21, 2026, Brussels, Belgium	Double-blind review
ECCM22	June 21-25, 2026, Oslo, Norway	Double-blind review

It is noted that at least 1/3 of the targeted publications will aim for safety related journals.

6. Exploitation strategy and roadmap

The exploitation task aims to ensure the effective exploitation of project outcomes and manage Intellectual Property Rights (IPR) associated with its outcomes. It involves developing strategies to protect and commercialize the project's intellectual assets while maximizing their societal and economic impact. During the first 18 months of DEMOQUAS, activities related to exploitation and intellectual property rights (IPR) were focused on establishing a solid framework for identifying, managing, and protecting project results, as well as initiating strategic planning for their future exploitation.

The main objectives for this period were:

- To ensure a structured approach to IPR management across the consortium.
- To identify emerging innovations and potential Key Exploitable Results (KERs), in relation with the work done in the proposal phase.
- To develop a shared understanding of ownership and protection strategies.
- To begin aligning technical outcomes with potential market applications.
- To engage partners in defining pathways toward exploitation and higher TRLs.

6.1 Financial Exploitation Framework and IPR Management

The project adopted the exploitation and IPR management principles defined in the **Grant Agreement**, according to which:

- Each partner retains ownership of the results it generates.
- Joint ownership applies when outcomes are inseparable or when individual contributions cannot be clearly distinguished.
- Access rights are granted on a royalty-free basis for implementation and on fair and reasonable terms for exploitation.

An internal **Exploitation and IPR Workshop** was organized on **16 September 2025** to consolidate these principles and review the progress achieved so far. The workshop involved all partners and focused on:

- Reviewing contractual obligations concerning exploitation and IPR.
- Sharing information on existing IP and potential protection routes.
- Updating the table of **Key Exploitable Results (KERs)**, including ownership, expected TRL, and descriptions.
- Discussing next steps for D7.2 preparation and partner contributions to the exploitation register.
- The pathway toward **MS.13 First version of IPR management and foreground protection planning (M24)**

After this workshop, each responsible partner or team of partners, detailed and defined the owned results, covering the following aspects for each of the 10 agreed exploitable results.

- Key Innovation
- Name
- Lead Partner
- TRL expected at the end of the project

- Main challenge and description
- Industrial exploitation perspective
- Academic exploitation perspective
- Competitive (market) characteristics

6.2 Qualitative exploitation

The qualitative exploitation strategy for DEMOQUAS is built around effectively communicating the results of its activities to external stakeholders. This is achieved through dissemination and communication (as highlighted in previous chapters), but also through another primary channel.

This channel involves engaging with other European projects that can directly benefit from the insights and outcomes produced by DEMOQUAS. By fostering collaboration and knowledge sharing, we aim to ensure that the advancements made within DEMOQUAS are leveraged to enhance and complement the efforts of similar projects, creating a broader impact across the European research and innovation landscape. In particular, one relevant activity in the first 18 months of the project was the reaching out to sister projects; for the first 12 months of the project these activities are reported in **D1.3 Progress reporting activities, synergies with other national/international projects – First Version**.

In addition, in January 2025, DEMOQUAS contributed to project [MORPHO's final event](#) with a poster with a project overview.

Embedded Life-Cycle Management for Smart Multimaterials Structures: Application to Engine Components

MORPHO FINAL CONFERENCE

Designing, Manufacturing and Operating Quantification of Uncertainties to increase Aviation Safety
 A project overview
Gkoutzamanis V., Kafas A. | on behalf of DEMOQUAS consortium

Challenges

The use of disruptive technologies based on hybridization/electrification and alternative fuels increases the number of components comprising the propulsion system.
 → Increase in the number of potential failure cases.

How can we link together information (including its uncertainty) emerging from all stages of a product's lifecycle?

Project Goal and Ambition

Goal: Develop an uncertainty quantification (UQ) framework that will provide to holistic aircraft/engine design tools, the capability to become 'UQ-enhanced'.

Intention: Provide UQ guidelines to enhance decision and policy making of unknown technologies' development, support virtual certification and achieve high level of safety and improved risk management.

Project Main Objectives (MO)

MO1: Perform detailed characterization of life cycle uncertainties for components and systems of components developed for a turbo-prop aircraft based on a hybridized, liquid H₂ configuration.

MO2: Employ and further develop UQ methods in a multi-layered manner: [Lifecycle] design, manufacturing/measuring, operations, [Scales and fidelities] sub-systems, systems, system-of-systems.

MO3: Deliver an 'as open as possible' framework that will allow holistic aircraft/engine design with the capability to become 'UQ-enhanced'.

MO4: Verify and validate the new UQ methodologies up to TRL5, through a dedicated set of industrially relevant cases.

MO5: Promote the project's solutions via dedicated DEC activities, including targeted synergies (Horizon Europe Cluster 5, JUs such as Clean Aviation/Clean Hydrogen/SEAR 2 etc.).

Methodological approach

How do uncertainties propagate across scales, fidelities and the socio-process, including uncertainty in interface and manufacturing processes?

Which are the main sources of uncertainty that affect each technology of itself?

→ Industrially relevant test cases

Hydrogen storage tests
Safety for component-based decisions

Compost test enhancers
Safety for thermal management of U₂ & chemical components

Aircraft engine performance and operational health
Safety for maintenance & certification

Crewmember
Safety in operation and the environment

Airport and pilot operations
Including safety risk assessment
Safety in human factors and airport operational environment

The need for a unified uncertainty quantification framework to increase aviation safety

The Consortium of DEMOQUAS

About the project

Starting date: May 1, 2024
 Duration: 36 months
 EU funding: 2,56 M€, €
 Associated partners funding: 1,57 M€, €
 Grant Agreement ID: 101147454
 Type of Action: Research and Innovation (RIA)
 Topic: HORIZON-CIS-2022-Da-01-11 - Aviation safety - Uncertainty quantification for safety and risk management
 Website: www.demoquas.eu

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101147454. Any dissemination of results must indicate that it refers only to the authors' view, and that the EU is not responsible for any use that may be made of the information it contains.

www.morpho-h2020.eu This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101147454

Figure 16. DEMOQUAS poster showcased at MORPHO's final event

More recently, the consortium, in synergy with [GENEX](#), and [TOSCA](#) projects, coordinated the organization of a joint webinar titled “Advancing Digitalisation and Composite Technologies for Safer, More Sustainable Aviation: EU Project Synergies”, showcasing how European collaboration is driving safer and more sustainable aviation.

ONLINE WEBINAR Advancing Digitalisation and Composite Technologies for Safer, more Sustainable Aviation: EU Project Synergies

- 11:00 – 11:05 **Opening & Introduction: welcoming notes**
Giulia Barbagelata, Dissemination Leader, STAM
- 11:05 – 11:20 **DEMOQUAS – Designing, Manufacturing and Operating Quantification of Uncertainties to increase Aviation Safety**
Vasilis Gkoutzamanis, Vice-Project Coordinator, Aristotle University of Thessaloniki
- 11:20 – 11:35 **GENEX – New end-to-end digital framework for optimized manufacturing and maintenance of next generation aircraft composite structures**
Carlos Mallor Turón, Project Coordinator, Instituto Tecnológico De Aragon
- 11:35 – 11:50 **TOSCA – Manufacturing Processes and Digital Tools for more Sustainable Composite Aerostructures**
Christian Eitzinger, Project Coordinator, PROFACOR GmbH
- 11:50 – 12:00 **Closing remarks and Q&A**

Participant thumbnails (top to bottom):
 Martina De Masi
 Giulia Barbagelata
 Vasilis Gkoutzamanis
 Carlos Mallor
 Vassiliki Vgenopoulou
 Eitzinger, Christian

Figure 17. Webinar agenda

The event had more than 90 subscribers with over 40 participants; the session was recorded and is [available](#) on the projects on-line outlets.

The idea behind this initiative is to organize a three-part series of events designed to follow the progression of the projects and provide opportunities for additional sister projects to participate. Encouraging different projects to share their results is effective not only in raising awareness among a wider audience, but also in refining technical developments by keeping track of innovations emerging from other initiatives.

7. Conclusions

Deliverable D7.2 presents the updated Dissemination, Exploitation and Communication (DEC) Plan for DEMOQUAS, building upon the foundations established in D7.1 and reflecting the progress achieved during the first 18 months of the project. The actions described in this document demonstrate the consortium's commitment to ensuring the visibility, accessibility, and long-term impact of the project's results, while maintaining close alignment with the technical developments and strategic objectives of DEMOQUAS.

The DEC strategy has proven effective in positioning DEMOQUAS within the European research and innovation landscape. The establishment of a coherent visual identity, the launch of the project website and social media channels, and the participation in multiple international events have significantly increased awareness and engagement among key stakeholders. Furthermore, the project's proactive approach in fostering synergies with sister initiatives and organising joint dissemination events has reinforced its collaborative footprint, promoting knowledge sharing and mutual learning across related domains.

From an exploitation perspective, the consortium has successfully laid the groundwork for identifying and managing Key Exploitable Results (KERs), defining ownership and IPR principles, and initiating dialogue on future commercialisation pathways. These actions ensure that DEMOQUAS outputs will not only advance scientific understanding but also support practical uptake and integration into real-world aviation applications.

Looking ahead, the focus will be on consolidating the project's outreach activities and intensifying dissemination efforts as more mature technical results become available. The next period (M18–M36) will emphasise scientific publications, targeted participation in international conferences, and the organisation of thematic workshops to support exploitation and standardisation. Special attention will be devoted to maintaining an open and transparent communication process, ensuring the sustainability of the project's online presence, and continuing engagement with stakeholders beyond the project's lifetime.

In conclusion, the dissemination, exploitation, and communication strategy outlined in D7.2 provides a solid and dynamic framework to maximise the visibility and impact of DEMOQUAS results. Through continuous collaboration, adaptive planning, and targeted outreach, the consortium will ensure that the project contributes meaningfully to the advancement of safer and more sustainable aviation technologies, leaving a lasting footprint within the European research ecosystem.