



# ***Falcon***

## **Foreseeing *the next* generation of Aircraft**

### **D6.1. Plan for exploitation and dissemination of the project results**

Date of delivery - 27/06/2024

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**List of acronyms**

CA	Clean Aviation
EC	European Commission
EU	European Union
FSI	Fluid-Structure Interaction
FEM	Finite Element Model
GDPR	General Data Protection Regulation
IPR	Intellectual Property Rights
KERs	Key Exploitable Results
KPIs	Key Performance Indicators
LBM	Lattice Boltzmann Methods
PEDR	Plan for Exploitation and Dissemination of the project Results
R&I	Research & Innovation
WP	Work Package

## BACKGROUND: ABOUT THE FALCON PROJECT

The FALCON project is a Research and Innovation Action funded by the Horizon Europe – the Framework Programme for Research and Innovation (2021-2027) aiming to develop a hybrid approach combining both cutting-edge numerical and experimental methods to analyse Fluid-Structure Interaction (FSI), better predict and control the aircraft aerodynamic unsteady loads, thus improving the aeroelastic properties and sustainability of aerostructures and reducing the related aerodynamical noise. This will ultimately contribute to upscale the current design capabilities of the European aircraft industry while enhancing the digital transformation of the European supply chain.

The project is implemented by a European consortium with 8 world-class partners including: i) Internationally recognized research groups in fluid-structure interaction using numerical simulation (AMU, KIT) and experiments (DLR); ii) Major companies developing numerical simulation softwares for fluid dynamics (CS) and solid dynamics. (MSC); iii) An internationally renowned research center for high-performance computing (IT4I@VSB); a leading company in France for the funding obtention, communication and dissemination of EU projects (EURONOVIA) and iv) a major actor in the European aeronautical industry (AIRBUS).

To upscale the actual design capabilities of the aeronautics industry, FALCON addresses open key-problems involving FSI phenomena to reduce noise and improve sustainability, based on a conceptual methodology built on four pillars: MEASURE, SIMULATE, BOOST, OPTIMIZE.

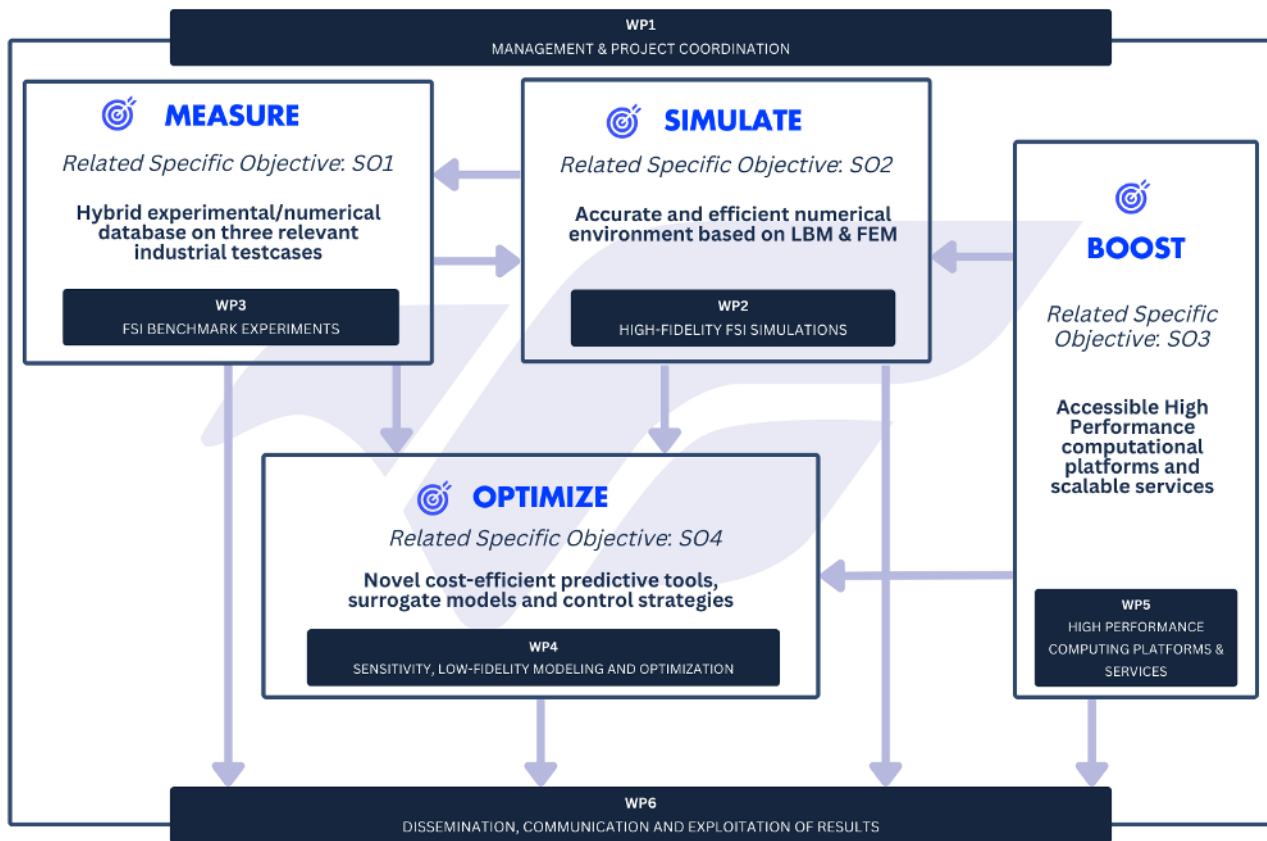


Figure 1: FALCON conceptual approach

## EXECUTIVE SUMMARY

This document is a deliverable of the FALCON Project, funded under the European Union's Horizon Europe research and innovation programme under the grant agreement No 101138305.

This deliverable is the first version of the Plan for Exploitation and Dissemination of the project Results (PEDR) as part of Work Package 6 on Dissemination, Communication, and Exploitation. It provides the FALCON partners with guidelines on the different communication, dissemination and exploitation activities that are planned throughout the project, their schedule, and the partners' responsibilities.

More specifically, the PEDR:

- Proposes a communication, dissemination and exploitation policy and define the objectives of the actions.
- Identifies the targeted audiences for each objective or main results.
- Lists the channels to be used for project promotion and future exploitation of results.
- Presents a schedule of the actions all along the project duration.
- Describes the monitoring and implementation of impact assessment actions (through qualitative and quantitative KPIs).

In terms of exploitation of results, the PEDR will contain the following information, if applicable and when relevant:

- The identification of exploitable main outputs of the project.
- The identification of the factors influencing exploitation and wide deployment of the project's results.
- The identification of new and existing measures for the project sustainability.

The document is drafted by Euronovia (WP6 leader) and AIRBUS-SP (leader on the exploitation activities), with inputs from all partners. The PEDR is an evolving document which will be updated throughout the project. In particular, it will be updated at each reporting period. A Mid-term Report on communication, dissemination and exploitation activities is planned at M24 (D6.2) and will include any new and corrective actions that may be necessary to reach the pre-established Key Performance Indicators (KPIs) and ensure the appropriate impact of the action. The PEDR will also be updated for the final Report on the project communication, dissemination, and exploitation activities (D6.3) planned by M48.

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# 1. Introduction

## 1.1. Definitions and terminology

FALCON distinguishes between communication, dissemination, and exploitation, in line with the EC definitions below.

**Communication** is a strategically planned process that starts at the outset of the project and continues throughout its entire lifetime. It is aimed at promoting FALCON and its results. It requires strategic and targeted measures for communicating about FALCON and results to a multitude of audiences, including the media and the public, and possibly engaging in a two-way exchange. Activities used for communication purposes are, for example, a public website, social media, or a newsletter.

**Dissemination** is the public disclosure of the project results by any appropriate means (other than resulting from protection or exploitation of results), including scientific publication in any medium. It is the process of promotion and awareness-raising right from the beginning of a project. It makes research results known to various stakeholder groups (e.g., research peers, industry, and other commercial actors, professional organizations, policymakers) in a targeted way, enabling them to use the results in their own work. This process must be planned and organized at the beginning of each project. Tools and activities used for dissemination purposes are, for example, a public website, press releases, publications, and attendance of events.

**Exploitation** of results requires several steps including identifying exploitation mechanisms and activities. It focuses on identified end-users to ensure impact and uptake of the results. FALCON will integrate diverse activities along the project lifetime to enhance the dissemination and exploitation strategy, maximize the expected impact and boost the project sustainability for the continuation of the project after EU-funding.

## 1.2. General rules and procedures

### 1.2.1. Communication within the FALCON Consortium

Communication among partners is crucial to exchange up-to-date knowledge and data on activities implemented within the different WPs and to enhance and optimize external communication and dissemination.

**Internal communication** is ensured through regular exchange of information via e-mail, through the FALCON SharePoint and during regular meetings, when all partners gather to discuss achievements, upcoming activities, deadlines, and issues arising within the different work packages.

Communication and dissemination activities are coordinated by Euronovia, with the support of AIRBUS-SP and AMU. All partners regularly participate in communication and dissemination activities, namely by:

- Communicating their activities and disseminating their results to their respective networks, for instance via their own social media accounts and websites.
- Contributing to the content of the FALCON social media accounts, website, and bi-annual newsletter.
- Informing the other partners of relevant initiatives, activities, and events they could participate in.
- Keeping track of their communication and dissemination activities by filling in a dedicated reporting table available in the project's document repository (see section 4.1).
- Disseminating results in open access publications, conferences, and other relevant events.

### 1.2.2. Use of graphic identity and EU visibility

A common graphic identity has been defined to allow for better visibility and recognition, as well as branding of the FALCON project. Therefore, all dissemination tools and activities must refer to or include:

- The FALCON project logo (different versions are available depending on the background colour and document format)
- The name of the project: FALCON

- Information on EU funding (as defined in Article 17 of the GA):
  - Unless the Agency requests or agrees otherwise or unless it is impossible, any dissemination of results (in any form, including electronic) must: (a) display the EU emblem and (b) include the following text: *"Funded by the European Union"*.
  - Any communication and dissemination activity must also indicate the following disclaimer: *"Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Commission. Neither the European Union nor the granting authority can be held responsible for them."*
  - When displayed together with another logo, the EU emblem must be given appropriate prominence.
  - Specific guidelines regarding the use of the EU emblem in the context of EU programmes 2021-2027 can be found on the [EC website](#).

### 1.2.3. Open access to scientific publications

Open access is defined by the EC as the online access to research outputs provided free of charge to the end-user (Annex 5 of the Grant Agreement). It is mandatory under Horizon Europe, and it operates on the principle of being 'as open as possible, as closed as necessary'. The FALCON partners are committed to publishing scientific publications in open access. FALCON will follow the Open Science Policy of the Horizon Europe Programme and apply Open Science Practices to all methodologies, research results, deliverables, policy, and scientific publications, as well as to data that is not subject to GDPR. As required by the EC, all publications will be made immediately accessible.

The platform [Sherpa/Romeo](#) will be used to have a summary of permissions that are normally given as part of each publisher's copyright transfer agreement.

Further to this and whenever necessary, the addendum to the publication agreement provided by the EC will be used. This is an instrument that, if accepted by the editor, modifies the publisher's agreement, and allows the researcher to keep key rights to your articles. The coordinator will support the researchers for these administrative issues related to the communication with the publishers.

All publications and accompanying data will be stored in the online project community created on **Zenodo** within WP6 at M4: <https://zenodo.org/communities/falconeuproject>. All uploads will thus be directly indexed in OpenAIRE.

The online open archive HAL (<https://hal.science/>) will also be used to provide open access to FALCON publications, as required by the French national research academic system.

### 1.2.4. Open access to scientific data

The project will collect relevant research data that will be managed according to the Data Management Plan prepared by the coordinator AMU (D1.2) respecting the principle that open scientific research data should be easily discoverable, accessible, useable, and wherever possible interoperable to specific quality standards. The FALCON partners will carefully study the possibility and pertinence of making each dataset findable, accessible, interoperable, and reusable.

Data will be shared in accordance with recognized standards used in the research field, to maximize the opportunities for data linkage and interoperability. Sufficient metadata will be provided to enable the datasets to be used by others. Generally, the data being produced will be shared and made accessible for verification and re-use, according to the provisions foreseen in the Consortium Agreement. Access to specific data may be restricted under limited circumstances (e.g., to protect personal data, to protect the beneficiary's legitimate interests, etc.).

The first version of the Data Management Plan will be delivered at M6.



## 2. Communication and dissemination strategy

### 2.1. Objectives

The communication activities that will be part of the dissemination plan described in WP6 will be tailored to ensure that important messages are widespread to the adequate targeted audience and that the public at large gets connected with FALCON.

The main objectives of the communication activities of the project are:

- To show how European collaboration has achieved more than would have otherwise been possible, notably in achieving scientific excellence, contributing to competitiveness, and solving societal challenges.
- To show how the outcomes are relevant to people's everyday lives, by creating jobs, introducing novel technologies, or enhancing the quality of life of EU citizens and better protecting the environment.
- To make better use of results, by ensuring they are taken up by decision-makers to influence policymaking and by industry and the scientific community to ensure a follow-up of the development of the technology.
- To establish the dialogue with all stakeholders to achieve the FALCON objectives, as stakeholder engagement is a two-way process.

### 2.2. Target groups

The consortium has identified several groups that have an interest or are going to be affected by the FALCON project. These will be targeted by different communication and dissemination actions and networking/clustering activities, as detailed in the table below. However, targeted audiences will be refined throughout the lifetime of the project in relation to the various activities developed within the different work packages.

Table 1: Summary of target groups, objectives, and content for FALCON dissemination

Target group	Objectives	Main content & channels
<b>Research community:</b>		
Scientists, researchers, academics, Masters' and PhD students (in the field of computational & experimental fluid dynamics, structure mechanics)	Raise awareness of the FALCON project and the practical solutions it can offer them. Transfer of knowledge; Reuse of the scientific data; Get support from the scientific community.	Scientific publications, scientific conferences, webinar, social media, final event.
<b>Private sector:</b>		
Industrials stakeholders from the following sectors: aeronautics, software development in fluid & structure mechanics, transport, aircraft suppliers & integrators	Raise awareness of the FALCON project and the practical solutions it can offer them. Transfer of knowledge; Reuse of the scientific data; Get support from the Industrial community.	Industrial conferences, workshops, direct contacts, webinar, newsletters, final innovation booklet, final event.
<b>Policy- and decision-makers:</b>		
EASA, EU ministries of research, environment, defense & economy, EC, etc.	Demonstrate the benefits of FALCON results to support EU policies implementation and contribute to new policy strategy; Uptake of the project's results.	Participation in webinar and workshops, direct contacts, newsletters, final innovation booklet, final event.
<b>EU &amp; international projects, initiatives &amp; networks:</b>		
Clean Aviation, projects listed in Table 2, ERCOFTAC, etc.	Facilitate synergies between projects and initiatives; support their sustainability.	Joint actions, clustering activities, networking, participation in events, website, social media, newsletters, final event.

<b>Civil society, European NGOs:</b> ICAO, IPCC, Transports & Environment, etc.	Raise awareness about the FALCON project and its positive impacts and benefits for society.	Social media, website, media appearances, newsletters, final event.
<b>Citizens:</b> Passengers onboard and in airports, and citizens living near airports, etc.	Raise awareness about the FALCON project and its positive impacts and benefits for society.	Media appearances, website, social media, final event.

To reach out to the largest possible audience, we have also started to identify a list of EU projects working on a similar domain: see Table 2. Among these, we have shortlisted those projects that we consider more relevant for FALCON and that we are planning to reach out in the upcoming months to create synergies and maximize impact. This list will be updated during the whole duration of the project. Synergies with these projects will be managed through the technical WPs and the WP6, under the supervision of the Project Coordinator.

Table 2: List of European projects on a similar domain

Acronym, source of funding	Partners involved	Synergies with FALCON
<b>HERWINGT:</b> EU Clean Aviation, Hybrid Electric Powered Aircraft (regional) 2023-2025 Grant#: 101102010	AIRBUS Defense & Space, DLR	Clear technical synergies have been identified with HERWINGT, within the Hybrid Electrical Regional 04: airframe integrated wing" pillar of Clean Aviation. More specifically, in the WP3 of HERWINGT, the design of flexible structures could strongly benefit from the innovative methods & capabilities built in FALCON (WP2, WP3, WP4), considering that both Baseline and Disruptive configurations are high aspect ratio wings, which are prone to flutter, and quite demanding on seals deformations.
<b>UPWING:</b> EU Clean Aviation, Short & Medium Range Aircraft 2023-2026 Grant#: 101101974	AIRBUS, DLR	Strong synergies have been identified with the UPWING project, within the Short & Medium Range aircraft group of Clean Aviation. The capabilities developed in FALCON can help to better find the sweet spot in the wing aspect ratio before flutter occurs by overcoming the limitation of static approaches. Moreover, UPWING will lead to a transonic flutter database (flutter assessment but not control) that could be employed for future investigation in cruise conditions and that are quite complementary to the low-speed flutter database of FALCON (WP3).
<b>HERA:</b> EU Clean Aviation 2023-2025 Grant#: 101102007	AIRBUS, DLR	The synergy with FALCON comes from the flutter and limit cycle oscillations of TC2 (WP2 and WP4) and the use of machine Learning and AI applied to speed up the calculation times and replace the high-fidelity tools (WP4)
<b>BALBUZARD:</b> French DGAC, 2021-2024 Grant#: 2021-27	AIRBUS, CS, AMU	BALBUZARD aims at the maturation of LBM modeling techniques, particularly to enable the simulation of gas mixtures of different chemical species and temperatures. The synergy with FALCON comes from the first steps in rigid rotating domains using overset grids (WP2)
<b>EUPEX:</b> EuroHPC, European Pilot for Exascale 2022-2027 Grant#: 101033975	IT4I@VSB	EUPEX designs, builds, and validates the first EU exascale HPC prototype, based on technologies with European assets (architecture, processor, software stack). Direct links with EUPEX will allow to prepare FLACON codes for the upcoming EU exascale solution (WP5).
<b>MAMBO:</b> French DGAC, 2021-2025 Grant#: 2021-50	AIRBUS, MSC, CS	Fluid-Structure simulation between MSC Nastran and AIRBUS in-house tool (Finite Volume Based) to tackle complex FSI problems with large deformations and contacts. Synergy comes from the first steps on Karman seal noise (TC3) in WP2 and WP3.

<b>INVENTOR:</b> EU Horizon H2020 2020-2024 Grant#: 860538	DLR, AIRBUS	Extended application of LaBS LBM to high-lift noise including slat tracks and landing gear interaction noise with F16 high-lift wing. Here, the synergy appears in the maturation (i.e. accuracy) of LaBS capabilities on flows around High Lift wings (TC2).
<b>eVTOLUTION:</b> EU Horizon Europe 2024-2027 Grant#: 101138209		eVTOLUTION is FALCON sister project, from the same call for proposals. It supports the digital transformation of aircraft design by developing new multi-disciplinary and multi-fidelity simulation tools that will enable novel aircraft architectures with improved aerodynamics and reduced noise emissions. This project addresses more specifically the design issues of electric Vertical Take-Off and Landing aircraft developed for Urban Air Mobility.
<b>Sci-Fi Turbo:</b> EU Horizon Europe 2024-2027 Grant#: 101138080		Sci-Fi Turbo aims to revolutionize the aero engine design process by advancing and integrating high-order scale-resolving simulations (SRS) and optimization methodologies into standard industrial workflow.
<b>BEALIVE:</b> EU Horizon Europe 2023-2027 Grant#: 101129952		The project will develop new morphing concepts allowing high aerodynamic performance increase and noise reduction thanks to an electroactive "live skin" operating in a high number of degrees of freedom. It will be applied in laboratory and full-scale design and will be adapted in all flight phases. Thus, there exist strong connections with FALCON.

At the end of the project, a stakeholders' analysis will be performed to identify the different categories of the project end-user's community. We will also elaborate a dissemination impact analysis to evaluate the impact and the added value of FALCON for each target group.

## 2.3. Tools, materials, and activities

To reach the objectives of the FALCON project, we will create and use different tools, materials, and activities, as detailed in the table below:

Table 3: Summary of the main elements of the FALCON communication and dissemination strategy

Main element	Description
<b>Visual identity</b>	The project branding includes a <b>project logo</b> , <b>visual identity</b> (including fonts and colours), and <b>templates for Word and PowerPoint</b> .
<b>Communication materials</b>	A communication package containing the main elements of the project is already available and includes a <b>leaflet</b> , a <b>roll-up</b> , and a <b>one-page technical description</b> . <b>1 final innovation booklet</b> , <b>1 motion design video</b> , and <b>videos interviews of project partners</b> will also be produced over the course of the project.
<b>Website</b>	The <b>public website</b> contains information targeted for the general public (description of the project, the WPs, the partners, basic information on the technology). There will also be specific information targeted towards the different types of stakeholders linked to the project (scientific papers).
<b>Social networks</b>	Social web-based media (creation of 1 <b>LinkedIn</b> page and 1 <b>Twitter</b> account) which targets the general audience as well as more technology related stakeholders. All project partners will re-share content from their institutional social media accounts to direct their audience to FALCON's channels and website. In doing so, the consortium will reap the benefits of the partners' combined audience base, while building a strong brand that is able to live beyond the 4-year project.
<b>Newsletters</b>	<b>8 newsletters</b> (one every 6 months) sharing news from the project.
<b>Press relations</b>	<ul style="list-style-type: none"> <li>○ <b>2 press releases</b></li> <li>○ <b>1 final media press kit</b></li> </ul>

- **5 media appearances** in local, regional, national, or European media outlets
- **2 articles** in dedicated/specific magazines

#### Scientific publications

At least **10 scientific publications** in fluid/structure mechanics-oriented journals to widely disseminate the project outcomes and results.

#### Events

- Participation in **2 popularization events**.
- Participation in **15 academic & industrial conferences** in the field of fluid mechanics, FSI, including **3 active participations with exhibition booths**.
- Organization of **2 Spring Schools** for PhD students' beginners to Lattice Boltzmann.
- Organization of **1 webinar on scientific results** of the project.
- Organization of **3 internal workshops on exploitation** to provide the consortium with the relevant tools to identify, update and characterize the list of Key Exploitable Results.
- Organization of **1 final event** at the end of the project **with 1 exploitation session** to present the project results to key stakeholders.

#### Networking and clustering

Synergies with relevant EU projects and initiatives, including **2 joint actions**.

The tools, social media accounts, and project website are developed and managed by Euronovia with inputs from the partners. The tools are all downloadable through the internal project management platform. In addition, public materials are available for download on the project website. Other activities are implemented by all partners with support from Euronovia as WP6 leader.

### 2.3.1. Visual Identity

The project branding, created right at the start of the project, is helping all partners to communicate about the project in a uniform, consistent, and professional manner: it includes the project logo, project identity, and templates for Word and PowerPoint documents.



Figure 2: FALCON logo – horizontal version

The **FALCON logotype** consists of a stylised aircraft representing the desired fluidity of the new generation aircraft and also representing a falcon to evoke the project's acronym.

The **main font** is omnes bold italic which matches well with the icon and gives a sense of fluidity, connecting with the general concept of airflow.

This logo will be used in all communications (tools, deliverables, presentations, invitations etc.) to ensure a good recognition of the project. Specific guidelines on how to use the logo both on a white and dark background, as well as indications on its placement, font and colours are described in its brand manual (available to the EC upon request).



Figure 3: Extract from the FALCON Brand Manual.

The different versions of the project logo, as well as the **brand manual**, are available for download on the project SharePoint.

**Templates** for the project deliverables and PowerPoint presentations were created to be used by the partners for all presentations on FALCON, both in internal and external events.

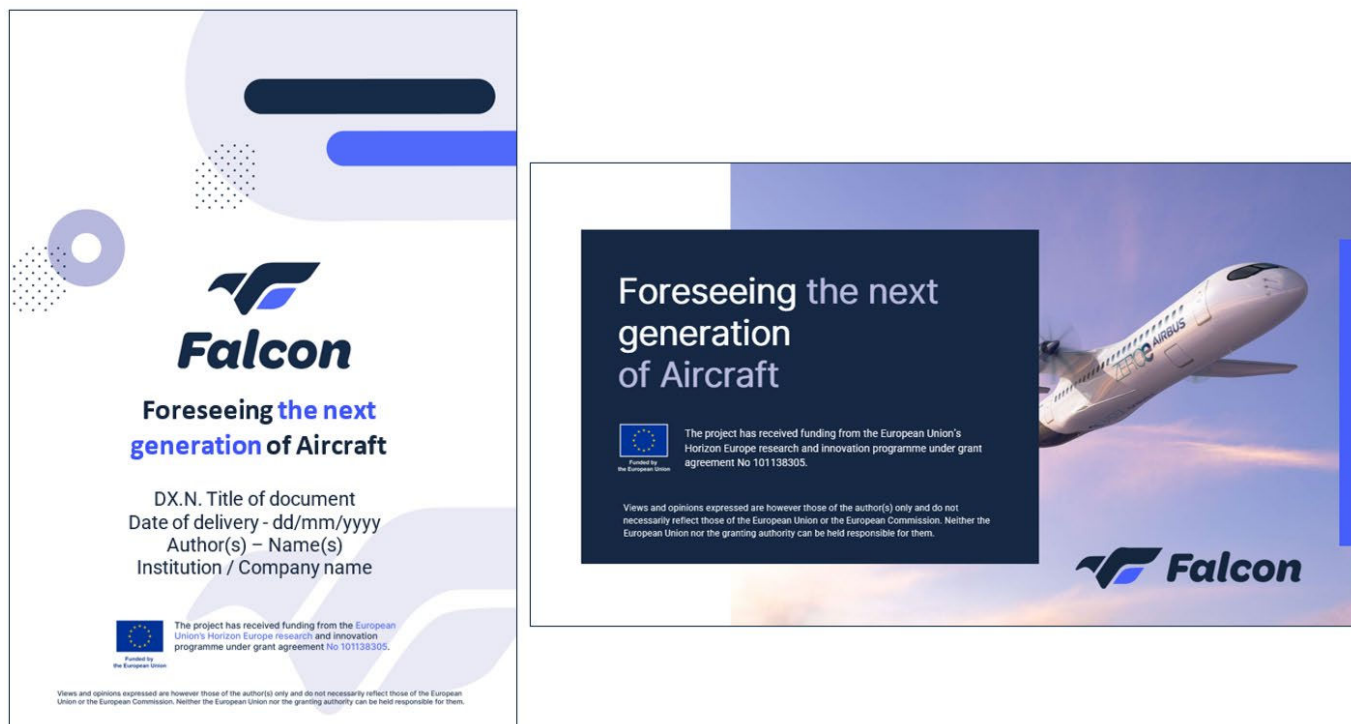


Figure 4: FALCON's Word and PPT templates.

### 2.3.2. Leaflet

A **project leaflet** with general information on the project and the partnership was created at M5 and distributed to partners for use at any external events that the consortium is organizing or attending. It is also available for download on the project website.





Figure 5: FALCON leaflet.

### 2.3.3. Roll-up banner



A **roll-up banner** was created using the project's visual identity and the same graphical elements used in other communication tools. The text content of the roll-up was kept to a minimum as its main functions is the easy recognition of the project during events. This banner will be used during internal and external events attended by the consortium to promote and present the project.

Figure 6: FALCON roll-up banner.

### 2.3.4. One-page technical description

A **one-page technical project description** was created for distribution to participants in any project-related activity. In A0 format, this document contains scientific and technical information about the project and its expected results. The design follows the FALCON visual identity and is consistent with the other communication materials developed within the communication package. It is available for download on the project website.

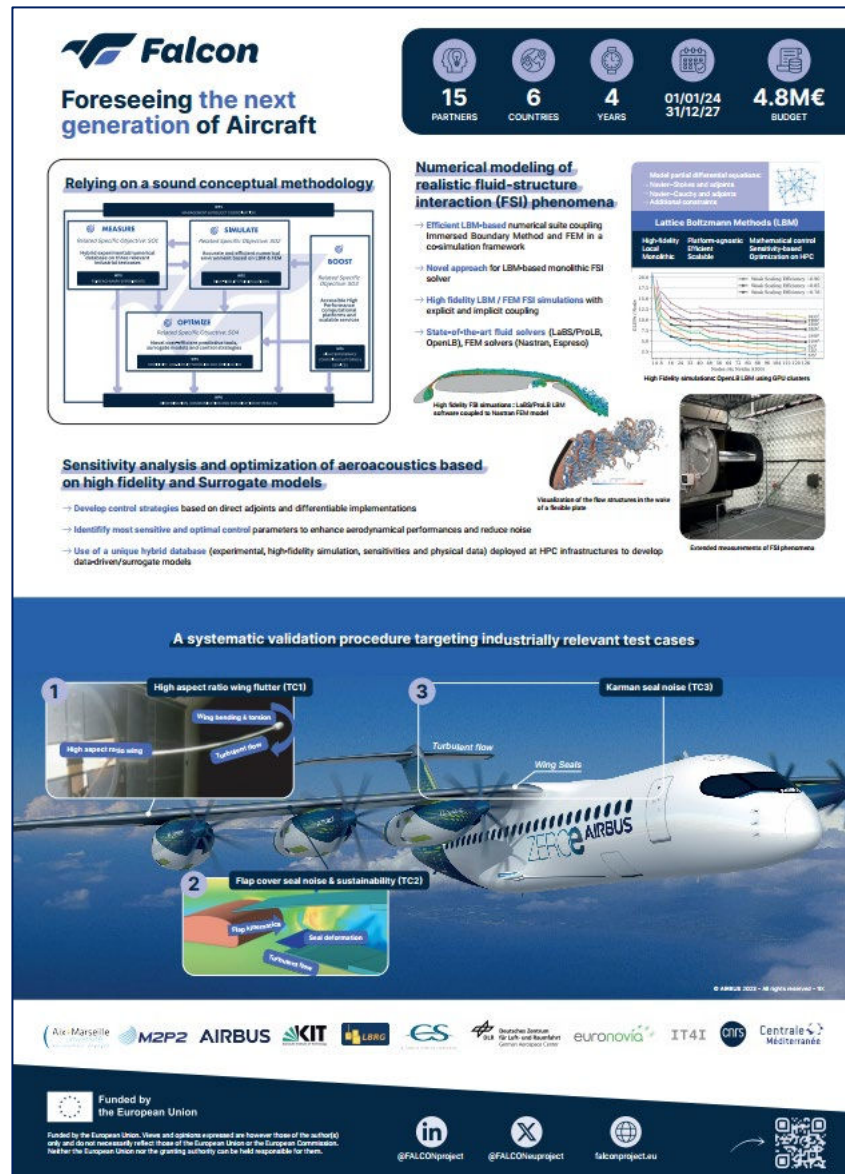


Figure 7: FALCON one-page technical description.

### 2.3.5. Website

The **project website** (<https://falconproject.eu>) is of crucial importance to enhance the visibility of FALCON as it will serve as the main communication tool for the wide dissemination of the project activities, materials, deliverables, and outcomes.

Together with FALCON's social media accounts, the website is a key tool for reaching out to a wide audience, communicate about the project and its results. The website provides essential information on the project, such as its objectives, its scientific publications, resources available, etc.

The following tree structure was designed to ensure that information is be easily found by our different target groups.

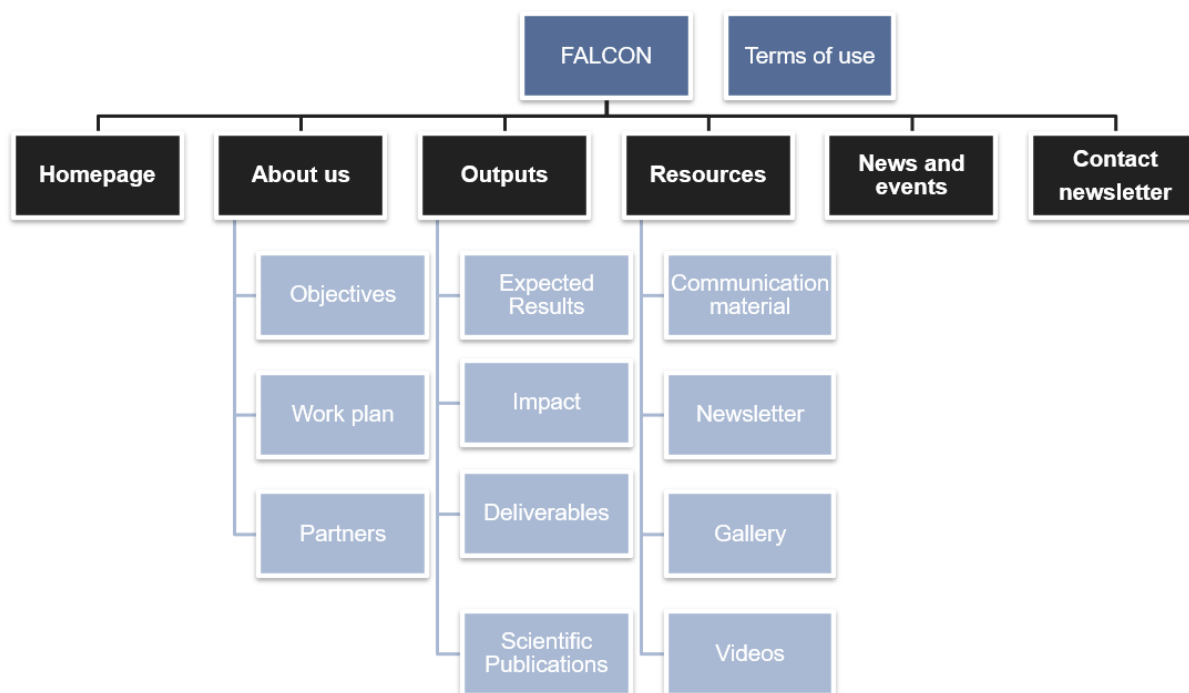


Figure 8: Tree structure of the FALCON website.

The website was launched in April 2024 (M4). It is kept regularly updated, with new content regarding the events, deliverables, and other resources. News article will be regularly published with the latest information about the project activities, thanks to inputs from all project partners.

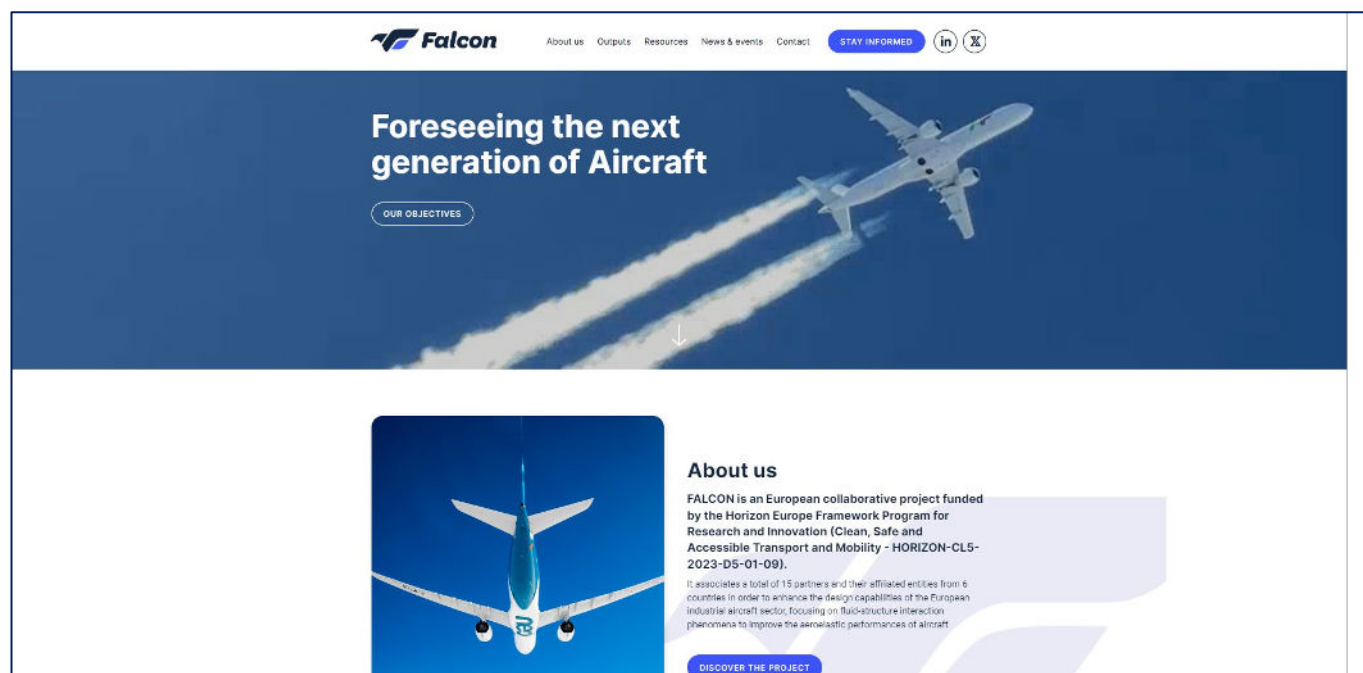


Figure 9: Homepage of the FALCON website.



The public results of the project will be published on the website as it progresses. In particular, the content of the hybrid experimental database (see KER5 in section 3.2.2) will be available for download.

## 2.3.6. Social media

Social media are being used by the consortium to inform and connect with our different target groups, including industry, policymakers, and the scientific community, as well as to reach out to the general public (citizens, local communities).

At the start of the project, two social media accounts were opened for FALCON: a **LinkedIn page** and a **Twitter/X account**. These two platforms each have their specificities and their own userbase, which allows us to reach a variety of audiences, in line with our target groups.

- **LinkedIn:** This is currently the main platform for European projects and will allow us to connect with professionals in relevant fields, as well as the whole EU ecosystem.
- **Twitter/X:** This platform is widely used by European projects and by researchers, and policymakers. Due to current instability with the platform, Euronovia will monitor the evolution of the situation and propose alternatives if needed.

The two accounts are managed by Euronovia. Partners regularly contribute by sharing news with them and posting through their institutional accounts, as well as personal ones. We are thus able to reach further than the project followers and use the extensive networks of all partners.

We are also ensuring wider dissemination on social media by following and tagging relevant organisations, projects, and other initiatives related to our topics (e.g., Clean Aviation, CINEA, etc.), as well as relevant hashtags (e.g., #nextgenerationaircraft #europeanaircraft #aviation).

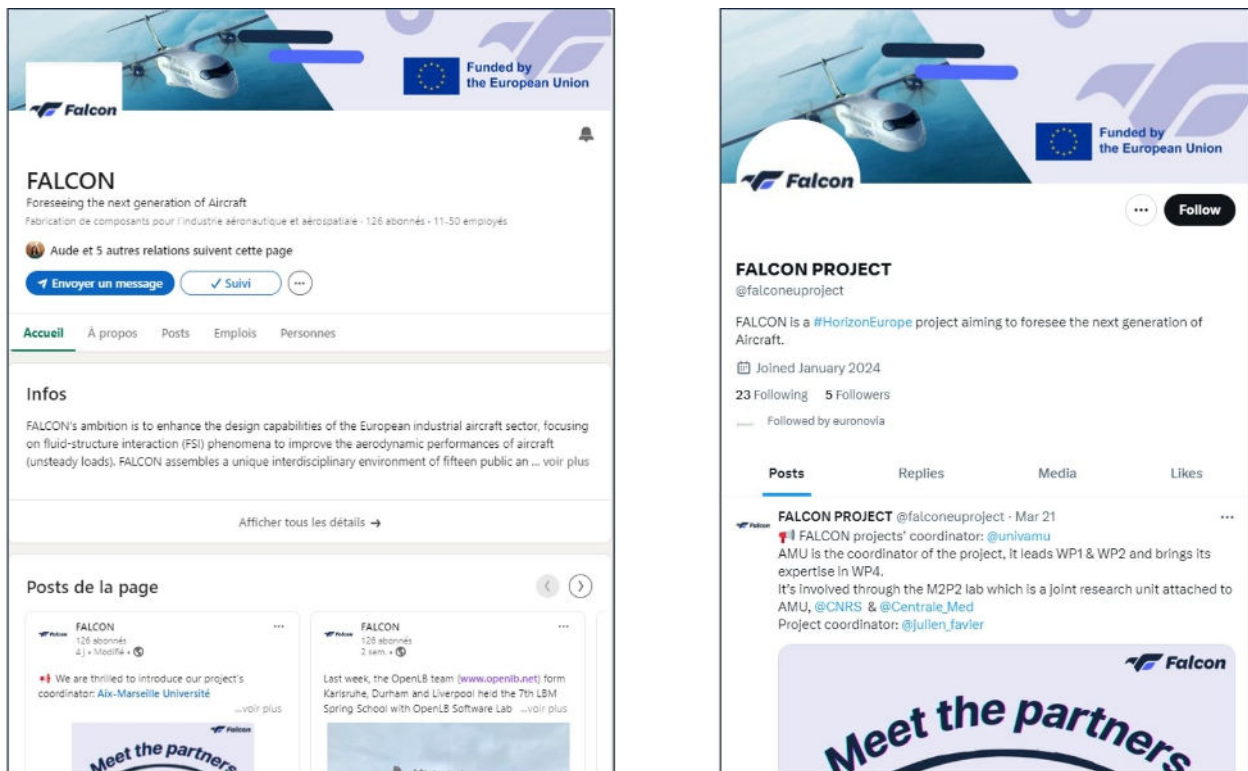


Figure 10: FALCON's LinkedIn and Twitter/X accounts.

At M6, the FALCON accounts have the following number of followers:

- LinkedIn (@falconproject): 202 followers
- Twitter/X (@falconeuproject): 11 followers

The impact of the FALCON social media channels is regularly monitored through the platforms' statistics tools to evaluate the best performing posts.

### 2.3.7. Audio-visual material and YouTube channel

Different types of audio-visual materials are planned during the project duration and will be published on the FALCON YouTube channel ([@FALCONEUproject](#)).

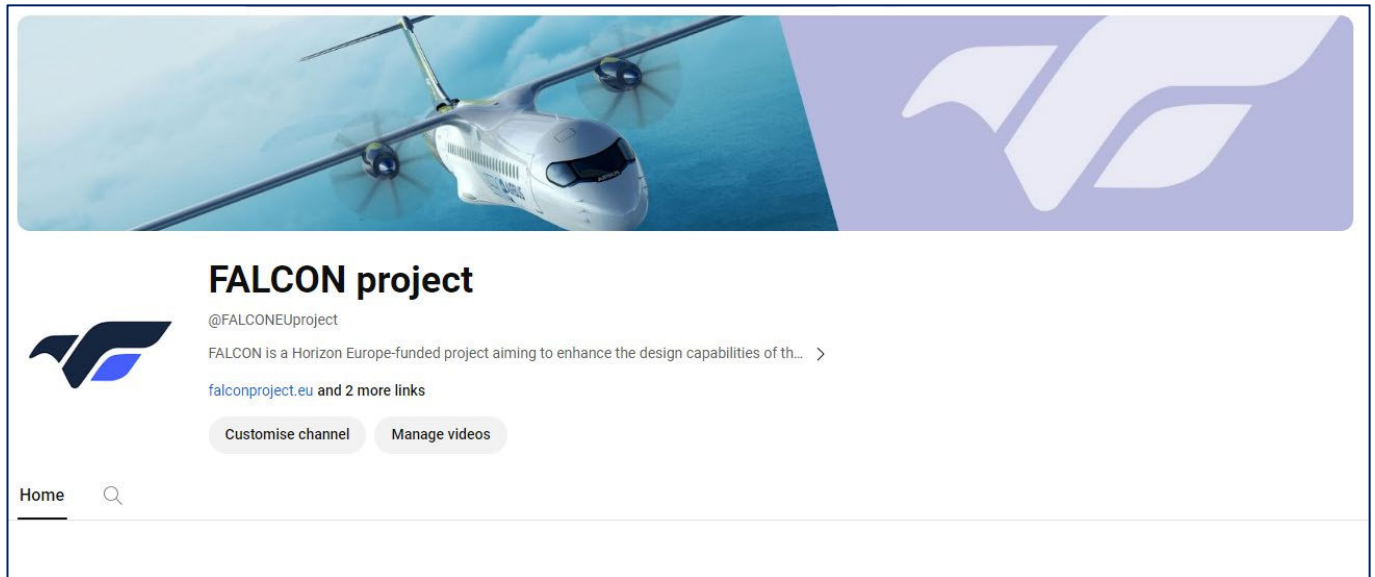


Figure 11: Homepage of the FALCON YouTube channel.

The following audio-visual materials will be produced and published on YouTube:

- A **motion design video** to present the project activities in an attractive and dynamic way (by Euronovia at M24)
- **Interviews of project partners** (1 minute long) will be recorded and edited for online publication over the course of the project.
- The **webinar** on scientific results of the project (by Airbus towards the end of the project).
- Any additional audio-visual content from the partners.

### 2.3.8. Publications

#### 2.3.8.1. Newsletters

A total of **8 newsletters** (twice a year) are planned to be sent out to the newsletter subscribers during the duration of the project. Newsletters will be made available on the project website (<https://www.falconproject.eu/newsletter/>) and will be disseminated on social media.

A subscription form for the FALCON newsletter was created at M1 in order to constitute early on a sufficient list of subscribers. At M6, the newsletter has 20 subscribers.

The newsletter will comprise news from the project and the partners, as well as news related to European aircraft.

### 2.3.8.2. Deliverables

All deliverables will be accessible through the project's website, with the level of dissemination determining the extent of public availability (Public or Sensitive). In cases where a deliverable is categorized as "sensitive", a condensed yet informative publishable summary will be provided on the FALCON website. This approach ensures transparency while respecting confidentiality concerns.

### 2.3.8.3. Scientific publications

The consortium is actively disseminating its results through several scientific publications: the partners are confident to publish at least **10 scientific publications** in peer-reviewed journals.

These scientific publications will acknowledge the EU funding by including the following disclaimer:

*"This work was supported by the FALCON (Foreseeing the next generation of Aircraft: hybrid approach using Lattice-boltzmann, experiments and modelling to optimize fluid/struCture interactiONs) project, funded by the European Union's Horizon Europe research and innovation programme under grant agreement No. 101138305. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Commission. Neither the European Union nor the granting authority can be held responsible for them."*

They will follow open access rules as described in section 1.2.3.

Fluid/structure mechanics-oriented journals identified by partners for publications include but are not limited to:

- Journal of Computational Physics.
- Physics of Fluids.
- Physical Review E.
- AIAA journal.

Scientific publications will also be available on the project's website (<https://falconproject.eu/scientific-publications/>).

### 2.3.8.4. Final innovation booklet

AIRBUS, with the support of Euronovia, will provide a **final innovation booklet** addressing different stakeholders and presenting the main results and insights from the project in order to maximize the dissemination potential of the project. This booklet will be distributed in the key conferences where major industrial companies and scientific research institutions are normally present. Based on this material together with associated conference presentations, the visibility of the new FSI technical capabilities will be maximised with the aim to establish future potential collaborations at academic and industrial levels.

### 2.3.9. Press relations

Important efforts are dedicated to press relations in order to ensure a good media coverage about the FALCON project at local, regional, national, and European level.

- A first **press release** including the most important information related to the project (scope, objectives, messages) was drafted in June 2024 by Euronovia to officially communicate the launch of the project. This was distributed by the project partners to their contact networks and widely published through their institutional websites and social networks.

- A **final media press kit**, which will include the **second press release**, will be prepared at the end of the project for massive dissemination of the project final outcomes.

At least **2 articles in specialized/specific magazines** and **5 media appearances** in local, regional, national, or European media outlets are expected by the end of the project.

## 2.3.10. Events

The FALCON project partners are organizing and participating in several events for dissemination of the project results, as detailed below.

### 2.3.10.1. Organization of events

As part of the project activities, the FALCON partners are organizing several types of events for dissemination, and exploitation purposes. Below is a list of the events that will be organized over the course of the project:

- **2 Spring Schools** for PhD students' beginners to Lattice Boltzmann.
- **1 webinar** on scientific results of the project.
- **3 internal workshops** on exploitation to provide the consortium with the relevant tools to identify, update and characterize the list of Key Exploitable Results.
- **1 final event** at the end of the project with **1 exploitation session** to present the project results to key stakeholders.

At M3, the [first Spring School](#) has already been organized. It was held from 4<sup>th</sup> to 8<sup>th</sup> of March 2024 at Heidelberg (Germany) with **57 participants from 13 countries**. The five-day event introduced researchers and users from industry to the theory of Lattice Boltzmann Methods (LBM) and trains them on practical problems. This educational concept is unique in the LBM community and offers a comprehensive and personal guided approach to LBM. The [second Spring School](#) will take place from 19<sup>th</sup> to 23<sup>rd</sup> May 2025 in Marseille (France).

### 2.3.10.2. Participation in external events

Members of the FALCON consortium participate in a series of different national and international events to raise awareness of the project, engage with specialist groups of stakeholders and disseminate the project results. For the whole project duration, we plan to attend a range of different events to reach different audiences:

- **2 popularization events** targeting the general public, and in particular students, citizens, local communities.
- **15 academic & industrial conferences** in the field of fluid mechanics, FSI, to promote the scientific and technical results of the project.
- **3 exhibition booths** to spread the scientific results of the project.

Below is a preliminary list of events divided into two categories. This list is kept regularly updated by all project partners through a shared Excel file on the project's SharePoint.

Table 4: List of relevant events to target for FALCON partners

#### Popularization events

Name	Date	Location	Partners planning to attend
European Researchers' Night	September - Yearly	Any location	TBC
Forum by Aerospace valley	May - Yearly	France	TBC

<b>International Paris Air Show</b>	16-22 June 2025	Le Bourget, France	CS Group
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<b>ILA Berlin 2026</b>	June 2026	Berlin, Germany	TBC
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**Academic & industrial conferences**

<b>Name</b>	<b>Date</b>	<b>Location</b>	<b>Partners planning to attend</b>
<b>ISC High Performance 2024</b>	May 12-16, 2024	Hamburg, Germany	KIT, IT4I
<b>High Performance Computing in Science and Engineering 2024 conference</b>	May 20-23, 2024	Beskydy Mountains, Czech Republic	IT4I
<b>9<sup>th</sup> European Congress on Computational Methods in Applied Sciences and Engineering</b>	June 3-7, 2024	Lisbon, Portugal	KIT, AMU
<b>20<sup>th</sup> International Conference for Mesoscopic Methods in Engineering and Science</b>	June 24-28, 2024	Hammamet, Tunisia	KIT
<b>33<sup>rd</sup> Discrete Simulation of Fluid Dynamics Conference</b>	July 9-12, 2024	Zürich, Switzerland	KIT, AMU
<b>16<sup>th</sup> World Congress on Computational Mechanics / 4<sup>th</sup> Pan American Congress on Computational Mechanics</b>	July 21-26, 2024	Vancouver, Canada	KIT, AMU
<b>Super Computing 2024</b>	November 17-22, 2024	Atlanta, United States	IT4I
<b>2025 AIAA SciTech Forum</b>	January 6-10, 2025	Orlando, Florida, United States	TBC
<b>ISC High Performance 20245</b>	June 10-13	Hamburg, Germany	IT4I
<b>3AF International Conference on Applied Aerodynamics 2026</b>	March/April 2026	France	TBC
<b>High Performance Computing in Science and Engineering 2026 conference</b>	May 18-21, 2026	Beskydy Mountains, Czech Republic	IT4I

International Forum on Aeroelasticity and Structural Dynamics 2026	June 2026	TBC	TBC
AIAA/CEAS Aeroacoustics Conference 2026	June 2026	TBC	CS Group

### 2.3.11. Synergies with other projects

In order to boost dissemination of project results and maximize impact, **synergies are being developed with other EU projects** working on a similar topic/domain, especially from the frame of Clean Aviation (CA) partnership. These projects were mapped early after the launch of FALCON and the list, which is being updated regularly, is available in the Table 2 (see 2.2). During the implementation of the project, FALCON must organise or participate in two joint actions.

Strong synergies between the HERWING, UPWING and FALCON projects has been an objective right from the start. In addition to the scientific and technical aspects described above in the Table 2, their projects coordinators will be invited to participate to the FALCON internal exploitation workshops (See 3.).

Further cooperation is planned with the **eVTOLUTION project** (Grant#: 101138209), funded under the same call as FALCON. Our social networks will be connected in order to maximise our impact, and other joint actions will be considered as opportunities arise (joint participation in conferences, joint booths, joint newsletters, etc.).

The following synergies activities have already been implemented:

- Cooperation activities with the **Sci-Fi-Turbo project** (Grant#: 101138080) are planned. Cross-promotion on social networks is envisaged. The Sci-Fi-Turbo project will organise a series of seminars in the autumn of 2024, and FALCON will provide information about them on its social networks. The FALCON project partners will also participate in the relevant seminars.
- FALCON is currently being listed on the **ECARE project [Digital Platform](#)**, a project (Grant#: 101101970) coordinated by Aerospace Valley and funded by Clean Aviation. Its aim is to identify aeronautics-related projects funded by national, regional or European funding schemes.
- A **Scientific and Innovation Advisory Board (SIAB) was officially created** during the kick-off meeting of the project. The SIAB will be responsible for reviewing the technical and strategic aspects of the project and facilitating the interface with both the consortium and a wider group of targeted stakeholders. Its members will be responsible for advising on the global scientific and technical coordination of the project with maximum quality and value-for-money. In particular, the SIAB will review and validate the envisaged exploitation plans.

The list of the members of the SIAB is available below:

- Nicolas R. Gauger, Chairholder for Scientific Computing and Director of Computing Centre at the University of Kaiserslautern-Landau.
- Stéphanie Péron, Research Scientist and Head of Research Team at the 'Aerodynamics, Aeroelasticity, Acoustics Department' of ONERA, The French Aerospace Lab.
- Vincent Brunet, Head of Fluid & Mechanical Simulation Methods at Safran Tech.
- Florian Kroemer, Flight physics acoustics specialist at AIRBUS Defence and Space.
- Jens Koenig, Clean Aviation Technical Committee member.
- **Close cooperation with CA has already started** and contacts have been established with CA board members (namely Laurent Thomasson), and technical committee (namely Jens Koenig). It was decided that synergies with the CA partnership will be implemented in the form of firstly side actions decided by the SIAB. We plan to propose to organise joint promotional activities, including joint booths at international aviation events.



## 4. Monitoring and Impact

### 4.1. Tracking and monitoring of the actions

The partner leading WP6, Euronovia, is responsible for tracking all the communication and dissemination activities of the partners and using this information to evaluate their impact. A document composed of 4 different tabs was created at the beginning of the project to gather data related to the activities implemented by each partner, namely:

- **Communication:** Partners list and give details about all the communication activities done at the level of their organisation to promote the project.
- **Dissemination:** Partners list and give details about their dissemination activities aiming to share the project's results.
- **Publications:** Partners list all their publications (papers, conference proceedings, etc) in which FALCON's research and results are used.
- **Events to target:** Partners regularly list interesting events and conferences relevant for FALCON where participation could be envisaged.

This document was uploaded to the project SharePoint and all partners are regularly reminded to update it as soon as they are involved in a communication or dissemination action to keep track of all the activities implemented within FALCON.

Please update this table with the list of communication activities you have performed. Always write in the last row.

Communication activity (please select from the drop-down list)	Sub-category	Description of the activity Max. 200 characters	Leading partner	Other partners involved	Date (if relevant)	Place	Communication level	Target Audiences (Use a red "X" for main audience)										Type of outcome #1	Result of outcome #1	Type of outcome #2	Result of outcome #2	Status of activity	Links to the event or other resource/proof		
								Industry/business partners	End users	EU institutions	National authorities	Regional authorities	Local authorities	Civil society	Others	Research community	Academic community							International community	Other stakeholders
1	Social media	Post on partner's LinkedIn	Announcement of the launch of FALCON on IT4I LinkedIn company page	IT4I		01/02/2024	LinkedIn	International							X	X				Number of impressions				Delivered	<a href="https://www.linkedin.com/company/it4i/">https://www.linkedin.com/company/it4i/</a>
2	Social media	Post on partner's LinkedIn	Announcement of the launch of FALCON on Euronovia LinkedIn company page	Euronovia		01/02/2024	LinkedIn	International							X	X				Number of impressions				Delivered	<a href="https://www.linkedin.com/company/euronovia/">https://www.linkedin.com/company/euronovia/</a>
3	Social media	Post on partner's Twitter	Announcement of the launch of FALCON on IT4I X company account	IT4I		01/02/2024	Twitter	International							X	X				Number of impressions				Delivered	<a href="https://twitter.com/IT4Iinnov">https://twitter.com/IT4Iinnov</a>
4	Website	News article on partner website	Presentation of FALCON on Euronovia website	Euronovia		14/03/2024	Euronovia website	International							X	X				Number of views				Delivered	<a href="https://www.euronovia.com/en/news/falcon-project-on-next-gene">https://www.euronovia.com/en/news/falcon-project-on-next-gene</a>
5	Website	News article on partner website	Presentation of FALCON on KIT News website	KIT		22/03/2024	KIT News website	International							X	X				Number of views				Delivered	<a href="https://www.kit.edu/kit/2024/emissionen-durch-leichter-belle.php">https://www.kit.edu/kit/2024/emissionen-durch-leichter-belle.php</a>
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Communication

Dissemination

Publications

Events to target

EC Reporting

+

Figure 12: Overview of the online tracking table

### 4.2. Impact assessment

A detailed communication and dissemination table was created in order to check that all activities are planned and are effectively taking place, integrating KPIs to measure the impact of each activity. KPIs are a measuring factor for the performance and progress of an activity, message, task, etc. towards its expected impact. Several KPIs were defined for each communication and dissemination activity of the project. They are being used to assess the performance of our activities all along the project duration and potentially re-orientate the dissemination plan if KPIs are not matched, and the expected impact not reached.

Table 6: KPIs for communication and dissemination activities

Activity	KPI	Objective
<b>Visual identity &amp; branding</b>	No. of visual identity	1
<b>Leaflet</b>	No. of leaflet distributed	>500
<b>Roll-up banner</b>	No. of roll-up banner	1
<b>One-page technical project description</b>	No. of one-page project description	1
<b>Project website</b>	No. of visits	3000
<b>Social media</b>	No. of followers	500
<b>Motion design video</b>	No. of online views	>300
<b>Interviews of project partners</b>	No. of videos online	8
<b>Newsletter</b>	No. of newsletters	8
<b>Scientific publications</b>	No. of publications	10
<b>Final innovation booklet</b>	No. of booklet	1
<b>Press release</b>	No. of press releases	2
<b>Final media press kit</b>	No. of press kit	1
<b>Article in dedicated/specific magazine</b>	No. of articles	2
<b>Media appearance in local, regional national, and European media outlet</b>	No. of media appearance	5
<b>Spring School</b>	No. of workshops	2
<b>Webinar on scientific results</b>	No. of webinars	1
<b>Internal workshop on exploitation</b>	No. of workshops	3
<b>Final event</b>	No. of events	1
	No. of exploitation sessions	1
<b>Participation in popularization event</b>	No. of events	2
<b>Participation in academic &amp; industrial conferences</b>	No. of events	>15
	No. of booths	3
<b>Joint actions</b>	No. of joint actions	2



Euronovia will perform an evaluation of these KPIs at mid-term and at the end of the project. The results will be used for the impact assessment analysis that will be included in the Mid-term Report on communication, dissemination, and exploitation activities (D6.2 due at M24) and for the final impact assessment analysis that will be included in the Final Report on Communication, Dissemination, and Exploitation activities (D6.3) which will be submitted at the end of the project (M48). Each KPI will receive a grade (according to its percentage of completion) which will allow us to check if we are on track with the work plan. Depending on the results, corrective measures may be considered and implemented.

## ANNEX 1

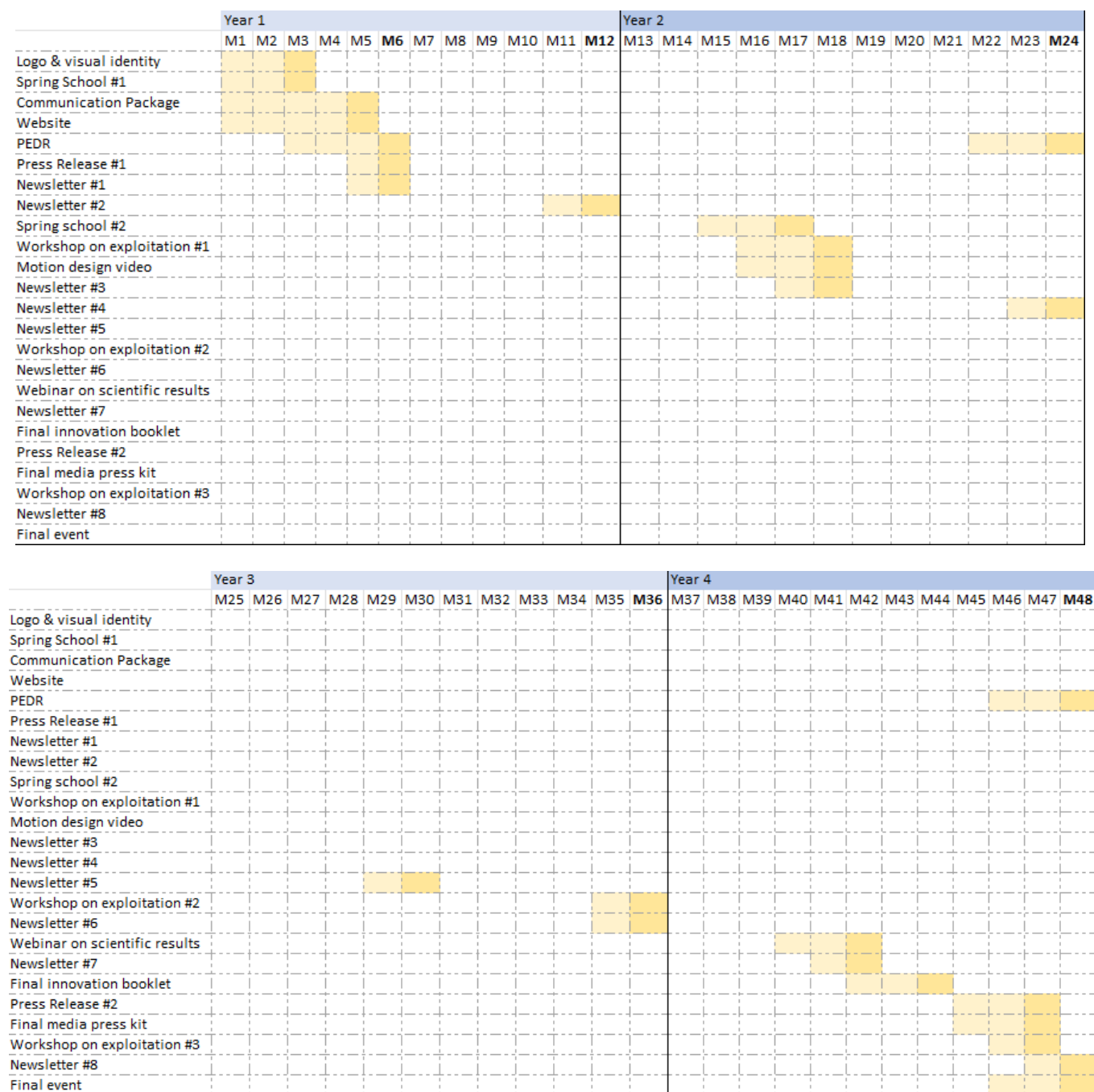


Figure 13: FALCON communication and dissemination actions provisional calendar