



Efficient QUantum ALgorithms for IndusTrY

WP6 Impact creation

D6.3 Dissemination & communication reports

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Abstract

A quantum revolution is unfolding, and European scientists are on the lead. Now, it is time to take decisive action and transform our scientific potential into a competitive advantage. Achieving this goal will be critical to ensuring Europe's technological sovereignty in the coming decades.

EQUALITY brings together scientists, innovators, and prominent industrial players with the mission of developing cutting-edge quantum algorithms to solve strategic industrial problems. The consortium will develop a set of algorithmic primitives which could be used as modules for various industry-specific workflows. These primitives include differential equation solvers, material simulation algorithms, quantum optimisers, etc.

To focus our efforts, we target eight paradigmatic industrial problems. These problems are likely to yield early quantum advantage and pertain to the aerospace and energy storage industries. They include airfoil aerodynamics, battery and fuel cell design, space mission optimisation, etc. Our goal is to develop quantum algorithms for real industrial problems using real quantum hardware. This requires grappling with the limitations of present-day quantum hardware. Thus, we will devote a large portion of our efforts to developing strategies for optimal hardware exploitation. These low-level implementations will account for the effects of noise and topology and will optimise algorithms to run on limited hardware.

EQUALITY will build synergies with Quantum Flagship projects and Europe's thriving ecosystem of quantum start-ups. Use cases will be tested on quantum hardware from three of Europe's leading vendors and two HPC centres. The applications targeted have the potential of creating billions of euros for end-users and technology providers over the coming decades. With EQUALITY, we aim at playing a role in unlocking this value and placing Europe at the centre of this development. The project gathers 7 partners and has a budget of €6M over 3 years.

Consortium

The EQUALITY consortium members are listed below.

Legal Name on Grant Agreement	Short name	Country
CAPGEMINI DEUTSCHLAND GMBH	CAP	DE
AIRBUS OPERATIONS GMBH	AOG	DE
DEUTSCHES ZENTRUM FÜR LUFT - UND RAUMFAHRT EV (DLR)	DLR	DE
FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG EV (FHG)	ENAS	DE
INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET AUTOMATIQUE (INRIA)	INRIA	FR
UNIVERSITEIT LEIDEN (ULEI)	ULEI	NL
DA VINCI LABS	DVL	FR

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Table of contents

Document control.....	2
Version control.....	3
Abstract.....	4
Consortium	4
Disclaimer	5
Acknowledgement.....	5
Table of contents	6
List of tables.....	7
List of figures	7
1. Executive Summary	8
2. Communication and dissemination activities	8
2.1. Website	9
2.2. Social media	9
2.3. Press Releases and media coverage	10
2.4. Scientific publications	12
2.5. Communication kit	12
2.6. Event participation and organization	16
2.7. Networking	19
3. Appendices	20
3.1. Press Releases and media coverage	20
3.1.1. List of Mainstream Publications - Year 1	21
3.1.2. List of Mainstream Publications - Year 2	23
3.1.3. List of Mainstream Publications - Year 3	24
3.2. Scientific publications	27
3.2.1. List of Scientific Publications - Year 1	27
3.2.2. List of Scientific Publications - Year 2	27
3.2.3. List of Scientific Publications - Year 3	31
3.3. Event participation and organization	35
3.3.1. List of Events - Year 1	35
3.3.2. List of Events - Year 2	44
3.3.3. List of Events - Year 3	49

List of tables

Table 1: Website selected statistics.	9
Table 2: Social media timeline and KPIs.	9
Table 3: Twitter/X selected statistics.	10
Table 4: LinkedIn selected statistics.	10
Table 5: Press releases timeline and KPIs.	11
Table 6: Scientific publications timeline and KPIs.	12
Table 7: Communication kit KPIs.	13
Table 8: Event participation and organisation KPIs.	17
Table 9: Information on networking activity #1.	19
Table 10: Media coverage highlights.	20
Tables 11-21: Information on mainstream publication #1-#11.	21-28
Tables 22-42: Information on scientific publication #1-#21.	27
Tables 43-98: Information on event participation #1-#56.	35

List of figures

Figure 1: EQUALITY press releases.	11
Figure 2: Screen captures of the project's slide deck.	13
Figure 3: Screen captures of the project's leaflet.	13
Figure 4: Screen captures of the project's poster.	14
Figure 5: Screen captures of the project's video abstract.	14
Figure 6: Screen captures of the project's interviews.	15
Figure 7: Screen captures of the project's webinar recordings.	15
Figure 8: Screen captures of the project's animated outreach video.	16
Figure 9: Screen captures of the project's final video.	16
Figure 10: Screen captures of the project's webinars at peak participation.	18
Figure 11: Screen capture of mainstream publication #1 and #2.	21
Figure 12: Screen capture of mainstream publication #3 and #4.	22
Figure 13: Screen capture of mainstream publication #5, online and print versions.	23
Figure 14: Screen capture of mainstream publication #7.	24
Figure 15: Screen capture of mainstream publication #8.	25
Figure 16: Screen capture of mainstream publication #10.	26
Figure 17: Image of event #2.	36
Figure 18: Image of event #7.	37
Figure 19: Image of event #17.	41
Figure 20: Image of event #18.	42
Figure 21: Image of event #39.	49
Figure 22: Image of event #41.	50
Figure 23: Image of event #42.	51
Figure 24: Image of event #56.	55

1. Executive Summary

This document is a deliverable of the EQUALITY project, funded under grant agreement number 101080142.

This deliverable “D6.3 Dissemination & communication reports” is part of Work Package 6 (WP6) “Impact creation” which “ensures communication and dissemination of EQUALITY project activities to different stakeholders: from researchers, industry, policymakers to the public”. D6.3 follows from “D6.2 Dissemination & communication plan” which presented the strategy for communication and dissemination of the EQUALITY project’s objectives and results.

This deliverable reports on the communication and dissemination activities executed during the EQUALITY project, including website and social media presence, scientific publications, press releases, organisation of and participation in events, and networking activities with other projects and initiatives. It also evaluates the accomplishment of the key performance indicators (KPIs) defined in D6.2.

This deliverable updates the previous report submitted on M24. Da Vinci Labs (DVL) is WP6’s lead beneficiary and is responsible for the development of this report.

2. Communication and dissemination activities

EQUALITY’s communication was implemented through several activities, channels, and tools detailed in deliverable D6.2, alongside a timeline for execution and key performance indicators (KPIs). In the next sections, we present results from the following activities executed during the project:

- Website containing public domain information about the project aimed at different stakeholders and target audiences;
- Social media channels to engage and build relationships with different stakeholders and target audiences;
- Scientific publications for dissemination of key results produced during the project, accompanied by layperson summaries published on the project’s website and social media channels;
- Press releases to maximise the dissemination of project’s results and important milestones on the media;
- Promotional materials composing a communication kit with clear and simple language aiming to reach a variety of target audiences;
- Events organisation and participation to raise awareness around the project, its activities and expected results, and disseminate the relevant developments;
- Networking activities with other projects and initiatives to ensure the impact of the project’s results and to ensure the adoption of the project’s outputs.

2.1. Website

The EQUALITY project website¹ contains public domain information about the project aimed at different stakeholders and target audiences.

Consortium partner DVL was responsible for keeping the website always up-to-date and functioning properly, solving any issues in a timely manner. The schedule for these updates depended on the specific needs of the website. Relevant website updates were communicated to consortium partners through internal channels and to target audiences through EQUALITY's social media channels. Google Analytics was used to monitor the performance of the website (number of sessions, users, engagement time, etc.). Table 1 shows selected website statistics.

Table 1: Website selected statistics.

Website statistics	Year 1	Year 2	Year 3*	Total
Users (Visitors)	1,100	1,900	2700	5,700
Sessions	1,900	3,000	3,500	8,400
Pageviews	3,800	5,100	5,500	14,400
Engagement time	00:00:58	00:00:46	00:00:30	00:00:42
Main national origins	FR (240), US (208), DE (200).	US (413), FR (293), DE (284).	US (828), DE (308), FR (283)	US (1,400), FR (806), DE (770).

*Up to 16 Oct. 2025

2.2. Social media

Social media are important communication tools to engage and build relationships with different stakeholders and to increase brand awareness for the project. Social media profiles on the platforms Twitter² and LinkedIn³ were set up by M1. Table 2 shows the social media KPIs for the project. As it can be seen, on both LinkedIn and Twitter/X EQUALITY largely surpassed the Y3 follower KPIs at 1026 and 693 followers respectively. To assess their effectiveness, the project's social media accounts were monitored using the analytics provided by each platform. Tables 3 and 4 shows selected social media statistics. For LinkedIn, we show separately organic (Org.) and promoted (Paid) impression and engagement numbers.

Table 2: Social media timeline and KPIs.

Activity	KPI	Year 1	Year 2	Year 3*	Total
Social Media Channels	Twitter/X Followers	233 / 50	578 / 200	693 / 500	693 / 500
	LinkedIn Followers	220 / 50	568 / 100	1026 / 200	1026 / 200

*Up to 16 Oct. 2025

¹ <http://equality-quantum.eu>

² <https://x.com/equalityquantum>

³ <https://www.linkedin.com/company/equality-quantum/>

Table 3: Twitter/X selected statistics.

Twitter/X statistics	Year 1	Year 2	Year 3*	Total
Total Followers	233	578	693	693
Avg. new followers per month	19	31	10	19
Total number of posts	122	255	224	601
Total impressions	6,700	7,000	6,200	19,900
Total engagement**	360	715	661	1,736

*Up to 16 Oct. 2025 **Sum of likes, clicks, comments and shares

Table 4: LinkedIn selected statistics.

LinkedIn statistics	Year 1	Year 2	Year 3*	Total
Total Followers	220	568	1026	1026
Avg. new followers per month	18	29	38	28
Total No. of posts	69	99	118	286
Total impressions	24,000 (Org.)	39,000 (Org.) 42,000 (Paid)	41,000 (Org.) 1,641,000 (Paid)	104,000 (Org.) 1,683,000 (Paid)
Total engagement**	1,600 (Paid)	2,600 (Org.) 240 (Paid)	3,500 (Org.) 2,300 (Paid)	7,700 (Org.) 2,540 (Paid)

*Up to 16 Oct. 2025 **Sum of likes, clicks, comments and shares

2.3. Press Releases and media coverage

To maximise the project's dissemination to the media, the consortium prepared press releases to promote EQUALITY's results and important milestones. Throughout the project, four press releases were published, as shown in Figure 1. The **first press release** "EQUALITY consortium selected by Horizon Europe to develop quantum algorithms for industrial applications" reports the project start, with information of the project's goals, partners, funding, etc. The **second press release** "Horizon Europe's EQUALITY project advances towards quantum algorithms for industrial applications" reports on the project's advances up to M18. The **third press release** "EQUALITY Organises Webinar Series to Advance Industrial Applications of Quantum Computing" announces organised to highlight some of the project's most promising results (more below). The **fourth press release** "Horizon Europe's EQUALITY project concludes with advances towards quantum algorithms for industrial applications" reports on the project's final developments.

Table 5 shows the press release and media coverage KPIs for the project. As of the submission of this deliverable, EQUALITY was mentioned in the media over 900 times, including paid media (press release distribution service), earned media (regular coverage of the project and its partners), and owned media (by partners themselves). Potential audience exposed to the project also considers exposition through our social media publications. Main media coverage is listed on Table 10. Some highlights are presented on Tables 11–21 in Appendix 3.1.

Table 5: Press releases timeline and KPIs.

Activity	KPI	Year 1	Year 2	Year 3	Total
Press Releases	Number of Press Releases	1 / 1	1 / 1	2 / 1	4 / 3
	Total Coverage	289 / 250	362 / 750	271 / 1000	922 / 2,000
Mainstream Publications	Number of Articles	5 / 5	2 / 10	4 / 16	11 / 30
	Total Readership*	630,000 / 100,000	90,000 / 300,000	1,650,000 / 600,000	2,370,000 / 1,000,000

*Potential audience exposed to the project, here we also consider exposition through our social media publications (up to 16 Oct. 2025).

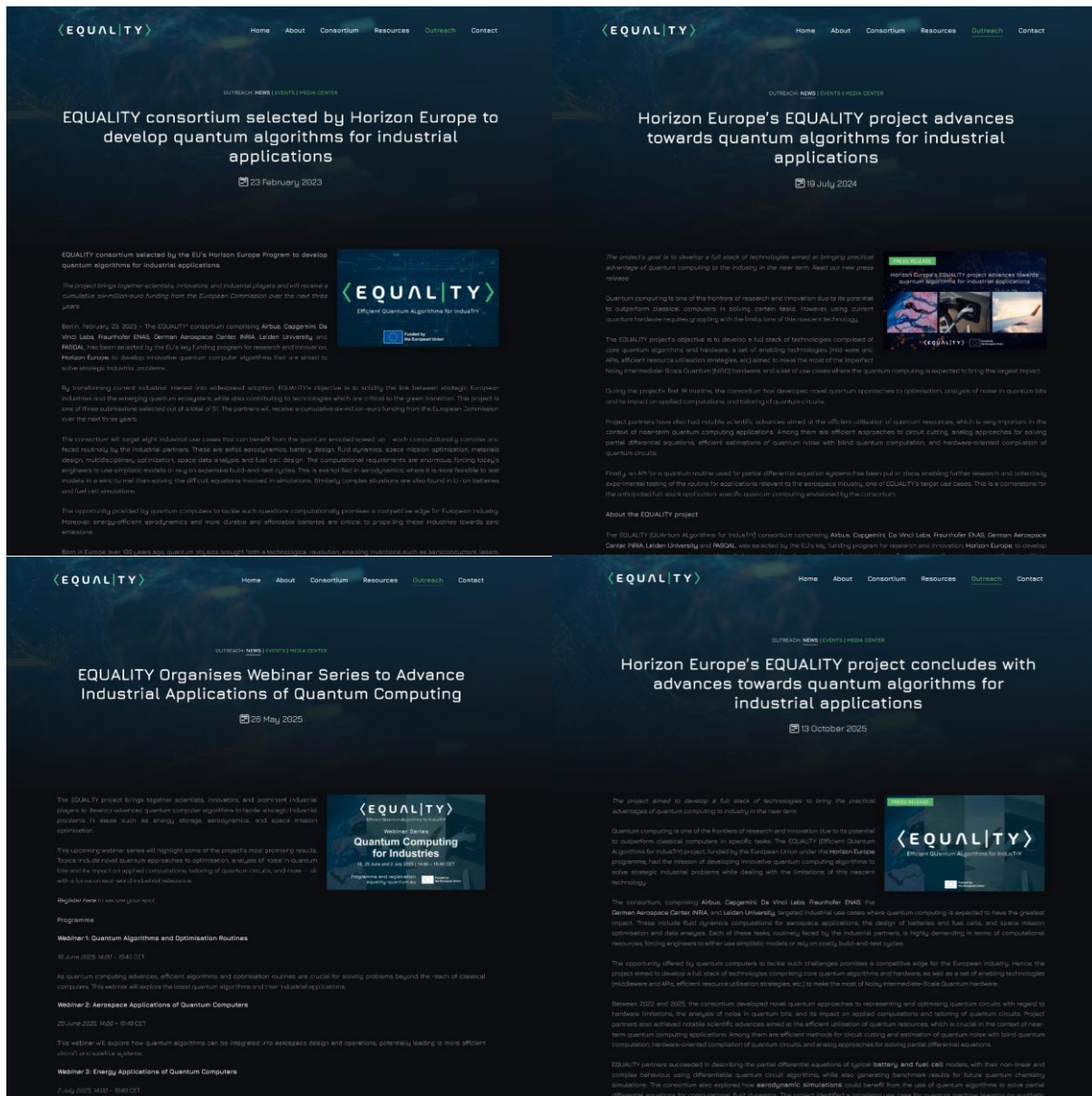


Figure 1: EQUALITY press releases.

2.4. Scientific publications

Key results produced throughout the project duration were disseminated in the form of article pre-prints, peer-reviewed articles in scholarly journals, articles in conference proceedings, monographs, patents, and research data (data underlying publications, curated data and/or raw data). Table 6 shows the scientific publication KPIs for the project. Partners **published 21 scientific publications** during the project. Details are presented on Tables 22–41 in Appendix 3.2. They are also available on the project website⁴ and on the project's Zenodo community⁵. Following the review committee recommendation, the consortium has also made publicly available through the project website the algorithms and software repositories on GitHub⁶.

The number of publications in a given year is calculated based on the publication date on a journal or conference proceedings. If not available, the publication date of the preprint on arXiv.org is used. Readership numbers are composed of Journal accesses/downloads, ArXiv downloads, and social media impressions of posts about the each paper. For journals which do not provide readership metrics, readership is estimated from a function of the CiteScore metric and readership in the journal data available. Additionally, since ArXiv.org do not provide individual paper statistics, lifetime readership is estimated 1500 (using from the 10-year average download to submission rate data⁷). Readership counts on ResearchGate and Mendeley records (when available) were investigated but are negligible in comparison to other metrics.

Table 6: Scientific publications timeline and KPIs.

Activity	KPI	Year 1	Year 2	Year 3	Total
Scientific Publications	Number of Publications	1 / 2	11 / 5	9 / 5	21 / 12
	Total Readership*	10,900 / -	70,550 / -	52,700 / -	134,150 / 250,000

*Estimated

2.5. Communication kit

A communication kit containing several resources was developed as promotional material for the project, aiming to reach a variety of target audiences with clear and simple language, avoiding technical content as much as possible. It included: a slide deck (Figure 2), a leaflet (Figure 3), and a poster (Figure 4). Additionally, a **video abstract** (Figure 5) was produced to promote the project with subtitles in all partners languages (Dutch, French, and German) besides English. Next, a series of **5 interviews** (Figure 6) with the consortium partners was published. We also published the recordings of **7 sessions** of the webinar series (Figure 7) organised to highlight some of the project's most promising results (more below). **An animated video** was also produced with language adapted to reach the general public (Figure 8), also with subtitles in all partners languages. Finally, a **video highlighting the main results** of the project (Figure 9) was also published on M36. All videos can be found on EQUALITY's YouTube channel⁸ and on the project website⁹. Video KPIs are shown in Table 7.

⁴ <https://equality-quantum.eu/resources/publications>

⁵ <https://zenodo.org/communities/equality-quantum/>

⁶ <https://equality-quantum.eu/resources/repositories>

⁷ https://arxiv.org/stats/monthly_downloads

⁸ <https://www.youtube.com/@EQUALITY-quantum/>

⁹ <https://equality-quantum.eu/outreach/media-center>

Table 7: Communication kit KPIs.

Activity	KPI	Year 1	Year 2	Year 3	Total
Project Videos	Number of Videos	- / -	1 / -	14 / 2	15 / 2
	Total Viewership	- / -	800 / -	57,750 / 10,000	58,550 / 10,000

APPROACH

EQUALITY will develop quantum algorithms for real industrial problems running on real quantum hardware.

QUANTUM COMPUTERS

Trapped ions, Superconducting, Neutral atoms

CORE ALGORITHMS

Differential equation solvers, Stochastic differential equation solvers, Quantum generative models, Quantum chemistry simulators, Simulators for periodic materials, Quantum control and control systems, Randomised quantum algorithms, Global optimisation

OBJECTIVES

The EQUALITY project aims to develop cutting-edge quantum computer algorithms to solve strategic industrial problems.

These are complex problems which have enormous computational requirements, forcing either the use of simplistic models or the reliance on expensive build-and-test cycles.

Quantum computers provide an opportunity to tackle such questions, giving a competitive edge to the Europe and unlocking billions of euros for the industry over the coming decades.

INDUSTRIAL PROBLEMS

AERODYNAMICS SIMULATION AND OPTIMISATION

SPACE MISSION OPTIMISATION AND DATA ANALYSIS

ENERGY STORAGE MATERIALS AND SYSTEMS

CONSORTIUM

EQUALITY brings together leading research groups, SMEs, and prominent industrial players.

AIRBUS, **Capgemini**, **DA VINCI LABS**, **Fraunhofer**, **ENAS**, **Stichting Centrum voor Luchtvaart**, **DLR**, **Universiteit Leiden**, **PASQAL**, **Inria**

The consortium has been awarded in the highly competitive Horizon Europe funding programme, and the partners will receive a cumulative €6M grant from the European Commission from 2022 to 2025.

USE CASE: AERODYNAMICS SIMULATION AND OPTIMISATION

More energy-efficient airplanes are one of the ways to propel the aviation industry towards lower emissions.

Doing so involves detailed simulations of the air flow around the aircraft and the aerodynamic forces on its surfaces, while optimising for frame weight, integrity, and performance, which requires enormous computational resources.

EQUALITY investigates how quantum computers could speed up the development and optimisation of critical aerospace problems.

Figure 2: Screen captures of the project's slide deck.

EQUALITY

Efficient QUantum ALgorithms for IndusTrY

EQUALITY brings together leading research groups, SMEs, and prominent industrial players to develop cutting-edge quantum computer algorithms to solve strategic industrial problems running on real quantum hardware.

These are complex problems with enormous computational requirements, forcing engineers either to use simplistic models or to rely on expensive build-and-test cycles.

Quantum computers provide an opportunity to tackle such questions, giving Europe a competitive edge and unlocking billions of euros in value for those industries over the coming decades.

The consortium was awarded in the highly competitive Horizon Europe programme. The partners will receive a cumulative €6M grant from the European Commission from 2022 to 2025.

JOIN OUR COMMUNITY!

INDUSTRIAL PROBLEMS

AERODYNAMICS SIMULATION AND OPTIMISATION

SPACE MISSION OPTIMISATION AND DATA ANALYSIS

ENERGY STORAGE MATERIALS AND SYSTEMS

QUANTUM COMPUTERS

Trapped ions, Superconducting, Neutral atoms

Partners: AIRBUS, Capgemini, DA VINCI LABS, Fraunhofer ENAS, Stichting Centrum voor Luchtvaart, DLR, Universiteit Leiden, PASQAL, Inria

EQUALITY

Efficient QUantum ALgorithms for IndusTrY

EQUALITY brings together leading research groups, SMEs, and prominent industrial players to develop cutting-edge quantum computer algorithms to solve strategic industrial problems running on real quantum hardware.

These are complex problems with enormous computational requirements, forcing engineers either to use simplistic models or to rely on expensive build-and-test cycles.

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The consortium was awarded in the highly competitive Horizon Europe programme. The partners will receive a cumulative €6M grant from the European Commission from 2022 to 2025.

Join our community!

INDUSTRIAL PROBLEMS

AERODYNAMICS SIMULATION AND OPTIMISATION

SPACE MISSION OPTIMISATION AND DATA ANALYSIS

ENERGY STORAGE MATERIALS AND SYSTEMS

QUANTUM COMPUTERS

Trapped ions, Superconducting, Neutral atoms

Partners: AIRBUS, Capgemini, DA VINCI LABS, Fraunhofer ENAS, Stichting Centrum voor Luchtvaart, DLR, Universiteit Leiden, PASQAL, Inria

Figure 3: Screen captures of the project's leaflet.

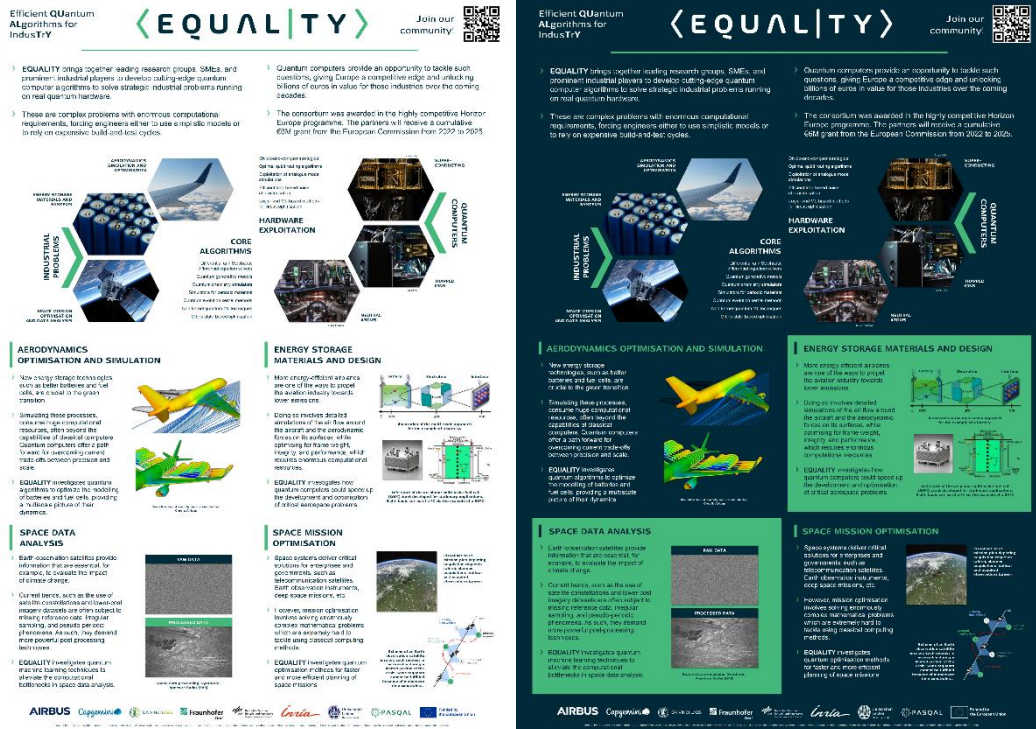


Figure 4: Screen captures of the project's poster.



Figure 5: Screen captures of the project's video abstract.

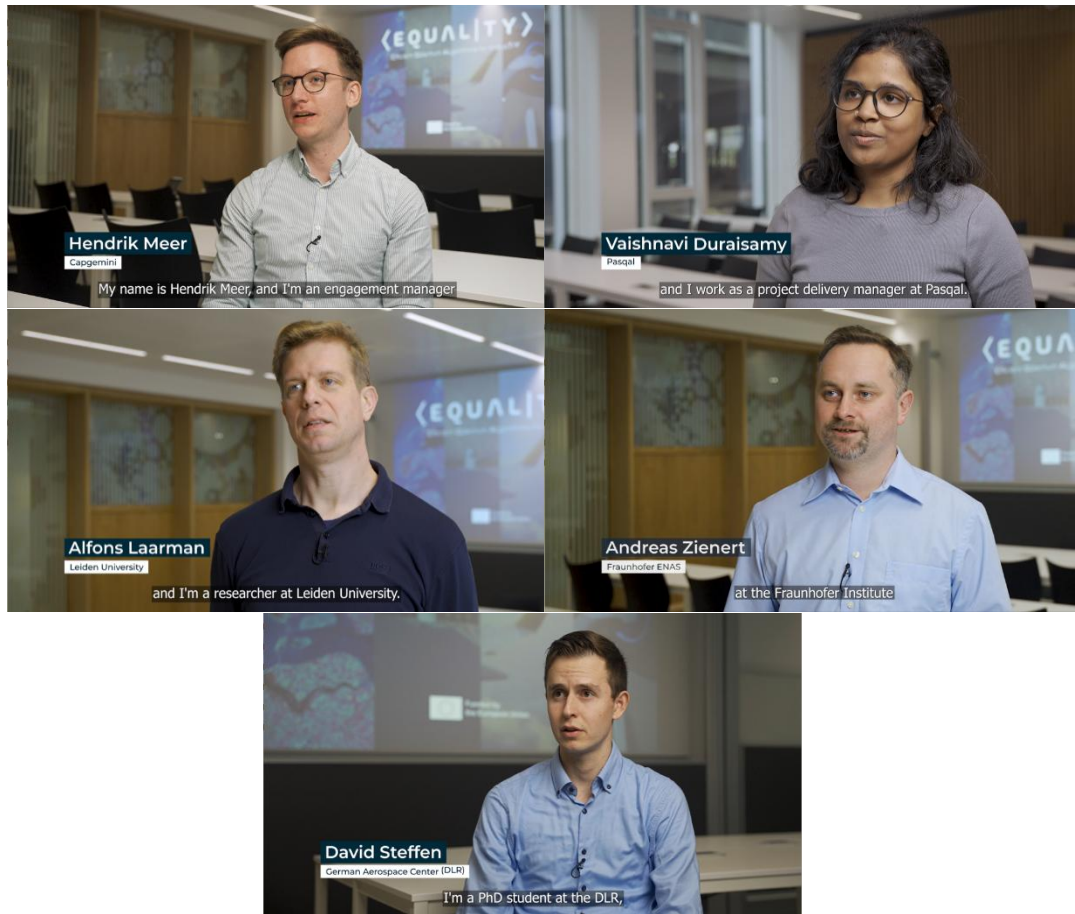


Figure 6: Screen captures of the project's interviews.

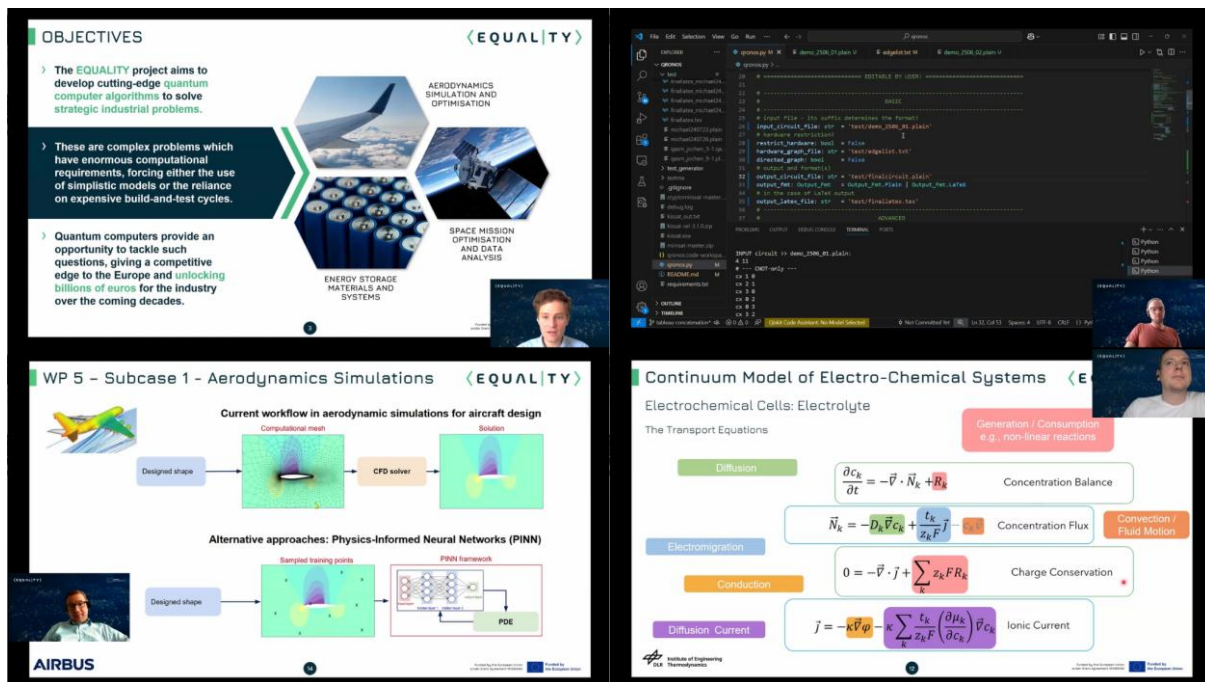


Figure 7: Screen captures of the project's webinar recordings.



Figure 8: Screen captures of the project's animated outreach video.



Figure 9: Screen captures of the project's final video.

2.6. Event participation and organization

Events, including scientific and industry conferences, trade shows, workshops, and seminars, both virtual and physical, related to the partners' or the project's field of expertise, are prime opportunities to raise awareness around the project, its activities and expected results, and disseminate the relevant developments. Additionally, they provide partners with networking opportunities with researchers and stakeholders and establish and deepen ties with other EU-funded projects and initiatives and other groups in the scientific and industrial community.

Key performance indicators are shown in Table 8. Details of the events organized and/or attended by EQUALITY partners at the local, national, EU and international levels are presented on Tables 43–98 in Appendix 3.3. EQUALITY partners have organised and/or attended more than 50 scientific and industry events. It resulted in 12 poster and 25 oral presentations (either invited or contributed) not counting presentations in internal workshops and similar events.

During Y1, consortium partner Capgemini organised 6 webinars that provided an opportunity to disseminate the project within the partner’s community. The events had presentations from other consortium partners and gathered around 320 attendees.

During Y3, the consortium organised a public webinar series to highlight some of the project’s most promising results. Topics include novel quantum approaches to optimisation, analysis of noise in quantum bits and its impact on applied computations, tailoring of quantum circuits, and more — all with a focus on real-world industrial relevance. Screen captures of the project’s webinars are shown in Figure 10. The first webinar “Quantum Algorithms and Optimisation Routines” was held on 18 June 2025 and explored the latest quantum algorithms and their industrial applications. It had 38 registrants with 34 attendees at peak. The second webinar “Aerospace Applications of Quantum Computers” was held on 25 June 2025 and explored how quantum algorithms can be integrated into aerospace design and operations, potentially leading to more efficient aircraft and satellite systems. It had 56 registrants with 32 attendees at peak. The third webinar “Energy Applications of Quantum Computers” was held on 2 July 2025 and explore quantum computing’s potential to revolutionise the energy sector, including advances in renewable energy technologies and accelerated discovery of energy storage materials. It had 78 registrants with 37 attendees at peak. In total, the EQUALITY webinars gathered 172 total registrants and 103 attendees. The webinars were disseminated through the project website¹⁰ and social media (with paid promotion on LinkedIn reaching more than 400.000 impressions), through the Quantum Flagship website¹¹ and newsletter¹² (more than 3.500 subscribers), and through the press release service EurekAlert¹³.

Table 8: Event participation and organisation KPIs.

Activity	KPI	Year 1	Year 2	Year 3	Total
Event Participation	Poster Submissions	12* / 2	11** / 4	14*** / 10	37 / 16
Webinar Organisation	Number of Webinars	6 / -	-	3 / 3	9 / 3
	Number of Attendees	~320 / -	-	103 / 240	423 / 240

*Includes 3 poster, 9 oral presentations (contributed or invited) in conferences. **Includes 2 poster, 9 oral presentations (contributed or invited) in conferences. ***Includes 7 poster, 7 oral presentations (contributed or invited) in conferences. Presentations in internal workshops and similar events are not counted.

¹⁰ <https://equality-quantum.eu/outreach/events>

¹¹ <https://qt.eu/events/webinar-quantum-algorithms-and-optimisation-routines>, <https://qt.eu/events/webinar-aerospace-applications-of-quantum-computers>, <https://qt.eu/events/webinar-energy-applications-of-quantum-computers>

¹²

https://qt.eu/media/pdf/newsletter/Quantum_Flagship_Newsletter_2025-06.pdf

¹³ <https://www.eurekalert.org/news-releases/1085232>

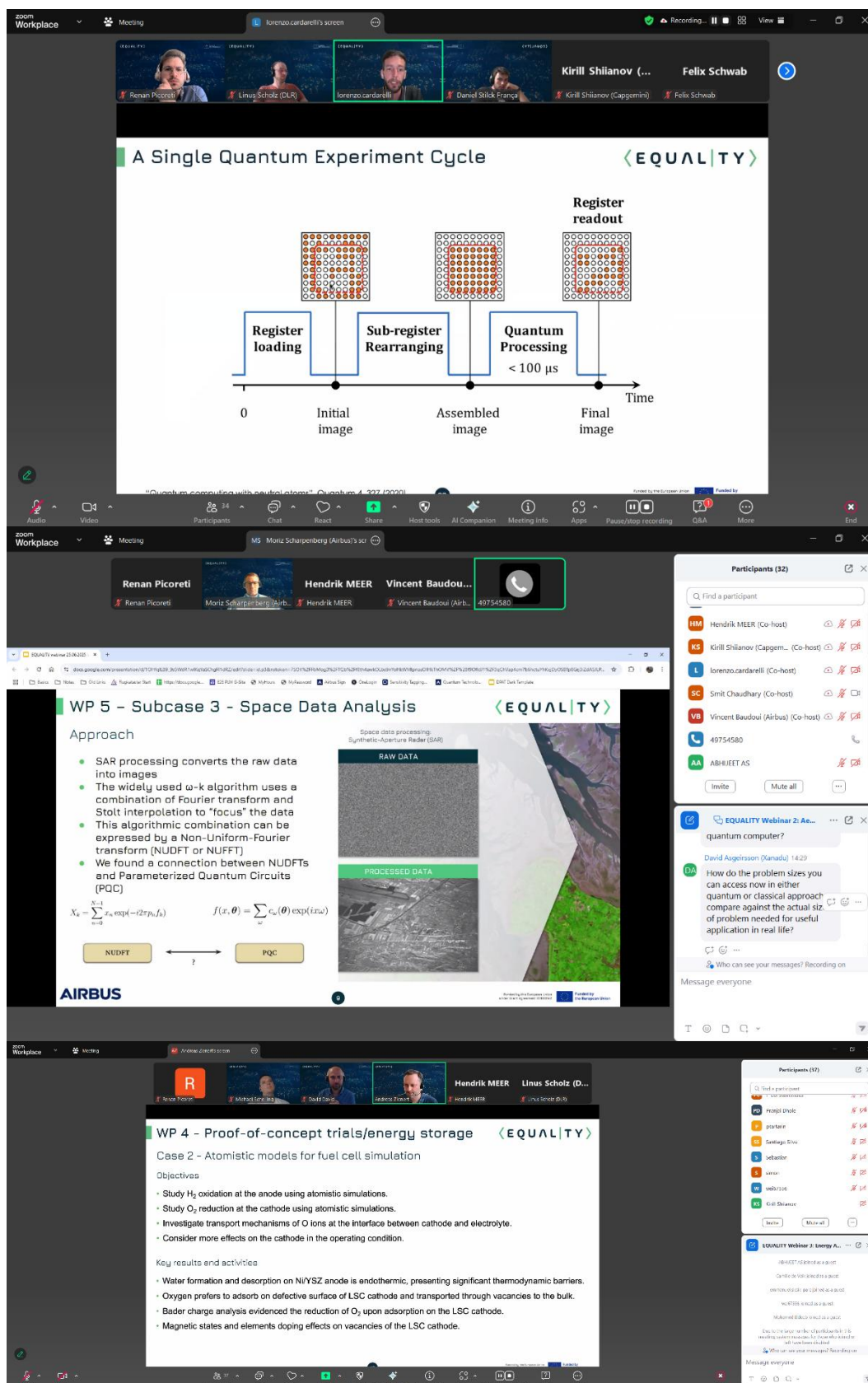


Figure 10: Screen captures of the project's webinars at peak participation.

2.7. Networking

EQUALITY takes advantage of synergies and build networks with relevant stakeholders, local, national, European, and international communities, associations, initiatives, and projects to ensure the impact of the project's results and to ensure the adoption of the project's outputs.

Table 9: Information on networking activity #1.

Title	Stablishing Unitary Fund activities in Europe
Date	May 2nd, 2023
Description	Unitary Fund will open its first European office in Tours, France. Project partner DVL acted as an incubator for Unitary Fund's European operations, providing incorporation and fundraising advisory services. The non-profit's mission is to foster the quantum ecosystem with a microgrant program funding explorers worldwide to work on quantum projects like open-source quantum software, educational materials and workshops, a new quantum sensor prototype, and more.
Involved partners	Xavier Aubry (DVL)
Additional information	Website: https://unitary.fund/ Press Release: https://unitary.fund/posts/2023_eu/

3. Appendices

3.1. Press Releases and media coverage

As of the submission of this deliverable, EQUALITY has been mentioned in the media over 900 times, including paid media (press release distribution service), earned media (regular coverage of the project and its partners), and owned media (by partners themselves).

Earned media coverage are listed on Table 10. Some highlights are presented on Tables 11–21 and Figures 11–16 below.

Table 10: Media coverage highlights.

Date	Title	Origin
30 November 2022	Avec le Da Vinci Labs, la deeptech fait son nid en Centre-Val de Loire	La Tribune
23 February 2023	EQUALITY consortium selected by the EU's Horizon Europe Program to develop quantum algorithms for industrial applications	Capgemini
23 February 2023	EQUALITY consortium selected by the EU's Horizon Europe Program to develop quantum algorithms for industrial applications	Sogeti / Capgemini
01 March 2023	Technologies quantiques : 6 M€ d'Horizon Europe à un consortium de recherche piloté par Capgemini	Newstank
07 March 2023	Le projet européen Equality veut mettre l'algorithmie quantique au service de l'industrie	L'Usine Nouvelle
18 March 2023	IA, quantique et biologie synthétique se développent au Da Vinci Labs	BFMTV
01 May 2023	La nouvelle génération d'algorithme quantique bientôt sur le marché	DataScientest
01 May 2023	Un consortium pour ouvrir des débouchés industriels au quantique	IT For Business
01 April 2023	Le projet européen au service de l'industrie	IT Industries and Technology
24 July 2024	The EQUALITY project: Advancing towards quantum algorithms	Innovation News Network
09 September 2024	EQUALITY project advances towards quantum algorithms for industrial applications	Quantum Flagship
27 May 2025	EU project EQUALITY organises webinar series to advance industrial applications of quantum computing	EurekAlert
June 2025	Webinar series to advance industrial applications of quantum computing	Quantum Flagship
15 October 2025	Horizon Europe's EQUALITY project concludes with advances towards quantum algorithms for industrial applications	EurekAlert
16 October 2025	EQUALITY project concludes with advances towards quantum algorithms for industrial applications	Quantum Flagship

3.1.1. List of Mainstream Publications - Year 1

Table 11: Information on mainstream publication #1.

Vehicle	La Tribune
Type, Date	Online, 30 November 2022
Title	With Da Vinci Labs, deeptech makes its home in Centre-Val de Loire (Translated from French)
Excerpt	"Da Vinci Labs, which plans to incubate around twenty startups specializing in quantum technology, AI and synthetic biology, has already won four collaborative research projects funded by the European Union. (...) Quantum algorithms developed by the EQUALITY program are simulating replacement materials for rare metals in the batteries of the future." (Translated from French)
Audience	> 180,000 avg. daily visitors in Nov. 2022*
URL	https://www.latribune.fr/technos-medias/innovation-et-start-up/avec-le-da-vinci-labs-la-deeptech-fait-son-nid-en-centre-val-de-loire-942741.html (Full article under subscription access)

* Source: <https://www.acpm.fr/Support-Numerique/site/latribune-fr>

Table 12: Information on mainstream publication #2.

Vehicle	L'Usine Nouvelle
Type, Date	Online, 7 March 2023
Title	The European project EQUALITY aims to put quantum algorithms to work for industry (Translated from French)
Excerpt	"Funded to the tune of €6 million by Europe, the Equality project aims to design quantum algorithms to speed up the resolution of problems in aerodynamic simulation, materials modelling and fluid mechanics. The French contributors are Inria, Airbus and Pasqal, which will provide quantum computers to support the development of these algorithms." (Translated from French)
Audience	> 80,000 avg. daily visitors in Mar. 2023*
URL	https://www.usinenouvelle.com/article/le-projet-europeen-equality-veut-mettre-l-algorithmie-quantique-au-service-de-l-industrie.N2108311 (Full article under subscription access)

* Source: <https://www.acpm.fr/Support-Numerique/site/usinenouvelle-com>



Figure 11: Screen capture of mainstream publication #1 and #2.

Table 13: Information on mainstream publication #3.

Vehicle	IT Industrie & Technologies, N°1060
Type, Date	Print Magazine, 1 April 2023
Title	The European project EQUALITY at the service of industry (Translated from French)
Excerpt	"Equality (Efficient quantum algorithms for industry): this is the name of the project selected in February by the European Commission as part of Horizon Europe. Endowed with 6.05 million euros, it will run until the end of 2025." (Translated from French)
Audience	12,580 avg. print copies*

*Source: <https://www.infopro-digital-media.fr/marque/industrie-et-technologie/>

Table 14: Information on mainstream publication #4.

Vehicle	BFM Business
Type, Date	TV, Radio, Online, 28 March 2023
Title	AI, quantum and synthetic biology under development at Da Vinci Labs (Translated from French)
Excerpt	"We're now in the second generation of quantum technology. We've already got some very well-developed companies like Pasqal, Qandela, Alice & Bob, who are going to develop the hardware, and on top of that we need to develop the algorithms. Pasqal is part of this EQUALITY consortium with INRIA in France, Capgemini and Airbus in Germany, and the idea is to use these quantum algorithms to simulate complex molecular systems (...), and for that to happen, classical simulations aren't enough, we need to have quantum first." (Xavier Aubry, Da Vinci Labs, Translated from French)
Audience	> 100,000 avg. daily visitors on the website* > 200,000 avg. daily watchers/listeners on TV/Radio*
URL	[1] https://www.bfmtv.com/economie/replay-emissions/01-business/ia-quantique-et-biologie-synthetique-se-developpent-au-da-vinci-labs-18-03_VN-202303180262.html [2] https://www.bfmtv.com/economie/replay-emissions/01-business/l-integrale-de-tech-co-business-du-samedi-18-mars_EN-202303180432.html

*Source: <https://www.alticemedia-adsconnect.fr/nos-marques/bfm-business.html>



Figure 12: Screen capture of mainstream publication #3 and #4.

Table 15: Information on mainstream publication #5.

Vehicle	IT for Business
Type, Date	Print/Digital Magazine (N°2283), 1 May 2023 Online, 24 May 2023
Title	A consortium to open up industrial opportunities for quantum technology (Translated from French)
Excerpt	“Bringing together eight public and private organisations, Equality is actively preparing future industrial applications of quantum computing. In particular, those that will promote the green transition.” (Translated from French)
Audience	13,750 avg. copies, print and digital* >3,000 avg. daily visitors on the website*
URL	https://www.itforbusiness.fr/un-consortium-pour-ouvrir-des-debouches-industriels-au-quantique-62693 (Open Access)

*Source: <https://www.itforbusiness.fr/publicite>



Figure 13: Screen capture of mainstream publication #5, online and print versions.

3.1.2. List of Mainstream Publications - Year 2

Table 16: Information on mainstream publication #6.

Vehicle	Innovation News Network
Type, Date	Online, 24 July 2024
Title	The EQUALITY project: Advancing towards quantum algorithms
Excerpt	Uptake of the Press Release
Audience	>2,000 avg. daily visitors on the website*
URL	https://www.innovationnewsnetwork.com/the-equality-project-advancing-towards-quantum-algorithms/49547/

*Source: <https://www.innovationnewsnetwork.com/latest-statistics/>

Table 17: Information on mainstream publication #7.

Vehicle	Quantum Flagship
Type, Date	Online, 9 September 2024
Title	EQUALITY project advances towards quantum algorithms for industrial applications
Excerpt	Uptake of the Press Release
Audience	>3,500 newsletter subscribers* + website visitors
URL	https://qt.eu/news/2024/2024-09-09_equality-project-advances-towards-quantum-algorithms-for-industrial-applications

*Source: <https://cordis.europa.eu/project/id/101070193/results/fr>

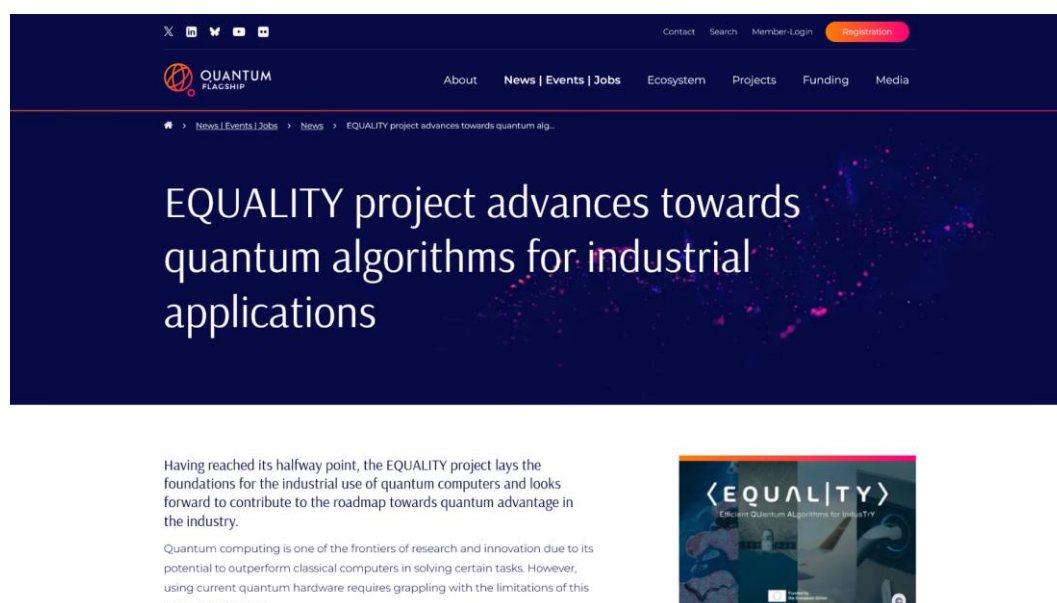


Figure 14: Screen capture of mainstream publication #7

3.1.3. List of Mainstream Publications - Year 3

Table 18: Information on mainstream publication #8.

Vehicle	EurekAlert
Type, Date	Online, 27 May 2025
Title	EU project EQUALITY organises webinar series to advance industrial applications of quantum computing
Excerpt	Uptake of the Press Release
Audience	~600 pageviews
URL	https://www.eurekalert.org/news-releases/1085232



Figure 15: Screen capture of mainstream publication #8.

Table 19: Information on mainstream publication #9.

Vehicle	Quantum Flagship
Type, Date	Online, June 2025
Title	Webinar series to advance industrial applications of quantum computing
Excerpt	Uptake of the Press Release
Audience	>3,500 newsletter subscribers* + website visitors
URL	https://qt.eu/media/pdf/newsletter/Quantum_Flagship_Newsletter_2025-06.pdf?m=1750611028& https://qt.eu/events/webinar-quantum-algorithms-and-optimisation-routines https://qt.eu/events/webinar-aerospace-applications-of-quantum-computers https://qt.eu/events/webinar-energy-applications-of-quantum-computers

*Source: <https://cordis.europa.eu/project/id/101070193/results/fr>

Table 20: Information on mainstream publication #10.

Vehicle	EurekAlert
Type, Date	Online, 15 October 2025
Title	Horizon Europe's EQUALITY project concludes with advances towards quantum algorithms for industrial applications
Excerpt	Uptake of the Press Release
Audience	~200 pageviews
URL	https://www.eurekalert.org/news-releases/1101993



Figure 16: Screen capture of mainstream publication #10.

Table 21: Information on mainstream publication #11.

Vehicle	Quantum Flagship
Type, Date	Online, 16 October 2025 (Website) and November 2025 (Newsletter)
Title	EQUALITY project concludes with advances towards quantum algorithms for industrial applications
Excerpt	Uptake of the Press Release
Audience	>3,500 newsletter subscribers* + website visitors
URL	https://qt.eu/news/2025/2025-10-16_equality-project-concludes-with-advances-towards-quantum-algorithms-for-industrial-applications

*Source: <https://cordis.europa.eu/project/id/101070193/results/fr>

3.2. Scientific publications

Details of EQUALITY's publications are presented on Tables 22–42 below. They are also available on the project website and on the project's Zenodo community (<https://zenodo.org/communities/equality-quantum/>).

3.2.1. List of Scientific Publications - Year 1

Table 22: Information on scientific publication #1.

Title	Equivariant quantum circuits for learning on weighted graphs
Lead partner	Leiden University
Type	Peer-reviewed Journal Paper
Authors	Andrea Skolik, Michele Cattelan, Sheir Yarkoni, Thomas Bäck, Vedran Dunjko
Journal	npj Quantum Information, Volume 9, Article 47
Publication date	13 May 2023
URL	https://doi.org/10.1038/s41534-023-00710-y https://doi.org/10.48550/arXiv.2205.06109
Readership	6200 (Journal); 1500* (ArXiv); 3200 (Social Media)

*Estimated.

3.2.2. List of Scientific Publications - Year 2

Table 23: Information on scientific publication #2.

Title	Shallow circuits for deeper problems
Lead partner	Leiden University
Type	Peer-reviewed Journal Paper
Authors	Adrián Pérez-Salinas, Radoica Draškić, Jordi Tura, Vedran Dunjko
Journal	Physical Review A, Volume 108, Page 062423
Publication date	22 December 2023
URL	https://doi.org/10.1103/PhysRevA.108.062423 https://doi.org/10.48550/arXiv.2212.11862
Readership	2200* (Journal); 1500* (ArXiv); 7200 (Social Media)

*Estimated.

Table 24: Information on scientific publication #3.

Title	A hybrid quantum algorithm to detect conical intersections
Lead partner	Pasqal
Type	Peer-reviewed Journal Paper
Authors	Emiel Koridon, Joana Fraxanet, Alexandre Dauphin, Lucas Visscher, Thomas E. O'Brien, Stefano Polla
Journal	Quantum, Volume 8, Page 1259
Publication date	20 February 2024
URL	https://doi.org/10.22331/q-2024-02-20-1259 https://doi.org/10.48550/arXiv.2304.06070
Readership	3700* (Journal); 1500* (ArXiv); 5400 (Social Media)

*Estimated.

Table 25: Information on scientific publication #4.

Title	Efficient thermalization and universal quantum computing with quantum Gibbs samplers
Lead partner	Inria
Type	Pre-print
Authors	Cambyse Rouzé, Daniel Stilck França, Álvaro M. Alhambra
Journal	arXiv e-prints, arXiv:2403.12691
Publication date	19 March 2024
URL	https://doi.org/10.48550/arXiv.2403.12691
Readership	1500* (ArXiv); 3800 (Social Media)

*Estimated.

Table 26: Information on scientific publication #5.

Title	Noise-induced shallow circuits and absence of barren plateaus
Lead partner	Inria
Type	Pre-print
Authors	Antonio Anna Mele, Armando Angrisani, Soumik Ghosh, Sumeet Khatri, Jens Eisert, Daniel Stilck França, Yihui Quek
Journal	arXiv e-prints, arXiv:2403.13927
Publication date	20 March 2024
URL	https://doi.org/10.48550/arXiv.2403.13927
Readership	1500* (ArXiv); 5200 (Social Media)

*Estimated.

Table 27: Information on scientific publication #6.

Title	On the expressivity of embedding quantum kernels
Lead partner	Leiden University
Type	Peer-reviewed Journal Paper
Authors	Elies Gil-Fuster, Jens Eisert, Vedran Dunjko
Journal	Machine Learning: Science and Technology, Volume 5, Article 025003
Publication date	2 April 2024
URL	https://doi.org/10.1088/2632-2153/ad2f51 https://doi.org/10.48550/arXiv.2309.14419
Readership	2300 (Journal); 1500* (ArXiv); 2700 (Social Media)

*Estimated.

Table 28: Information on scientific publication #7.

Title	Enriching Diagrams with Algebraic Operations
Lead partner	Leiden University
Type	Peer-reviewed Conference Proceedings Paper
Authors	Alejandro Villoria, Henning Basold, Alfons Laarman
Journal	Foundations of Software Science and Computation Structures. FoSSaCS 2024. Lecture Notes in Computer Science, Volume 14574
Publication date	5 April 2024
URL	https://doi.org/10.1007/978-3-031-57228-9_7 https://doi.org/10.48550/arXiv.2310.11288
Readership	1600 (Journal); 1500 (ArXiv); 3450 (Social Media)

*Estimated.

Table 29: Information on scientific publication #8.

Title	Variational protocols for emulating digital gates using analog control with always-on interactions
Lead partner	Pasqal
Type	Peer-reviewed Journal Paper
Authors	Claire Chevallier, Joseph Vovrosh, Julius de Hond, Mario Dagrada, Alexandre Dauphin, Vincent E. Elfving
Journal	Physical Review A, Volume 109, Number 062604
Publication date	10 June 2024
URL	https://doi.org/10.1103/PhysRevA.109.062604 https://doi.org/10.48550/arXiv.2402.07653
Readership	2200* (Journal); 1500* (ArXiv); 1800 (Social Media)

*Estimated.

Table 30: Information on scientific publication #9.

Title	Amorphous quantum magnets in a two-dimensional Rydberg atom array
Lead partner	Pasqal
Type	Peer-reviewed Journal Paper
Authors	Sergi Julià-Farré, Joseph Vovrosh, Alexandre Dauphin
Journal	Physical Review A, Volume 110, Number 012602
Publication date	1 July 2024
URL	https://doi.org/10.1103/PhysRevA.110.012602 https://doi.org/10.48550/arXiv.2402.02852
Readership	2200* (Journal); 1500* (ArXiv); 5150 (Social Media)

*Estimated.

Table 31: Information on scientific publication #10.

Title	Quantized Thouless pumps protected by interactions in dimerized Rydberg tweezer arrays
Lead partner	Pasqal
Type	Peer-reviewed Journal Paper
Authors	Sergi Julià-Farré, Javier Argüello-Luengo, Loïc Henriët, Alexandre Dauphin
Journal	Physical Review A, Volume 110, Number 023328
Publication date	27 August 2024
URL	https://doi.org/10.1103/PhysRevA.110.023328 https://doi.org/10.48550/arXiv.2402.09311
Readership	2200* (Journal); 1500* (ArXiv); 3750 (Social Media)

*Estimated.

Table 32: Information on scientific publication #11.

Title	Automated Reasoning in Quantum Circuit Compilation
Lead partner	Leiden University
Type	Peer-reviewed Conference Proceedings Paper
Authors	Dimitrios Thanos, Alejandro Villoria, Sebastiaan Brand, Arend-Jan Quist, Jingyi Mei, Tim Coopmans, and Alfons Laarman
Journal	Model Checking Software. SPIN 2024. Lecture Notes in Computer Science, Volume 14624
Publication date	13 October 2024
URL	https://doi.org/10.1007/978-3-031-66149-5_6 https://spin-web.github.io/SPIN2024/assets/preproceedings/SPIN2024-paper6.pdf
Readership	200 (Journal); 3400 (Social Media)

*Estimated.

Table 33: Information on scientific publication #12.

Title	Optimization of Quantum Systems Emulation via a Variant of the Bandwidth Minimization Problem
Lead partner	Pasqal
Type	Peer-reviewed Conference Proceedings Paper
Authors	M. Yassine Naghmouchi, Joseph Vovrosh, Wesley da Silva Coelho, Alexandre Dauphin
Journal	Proceedings of the 10th International Conference on Control, Decision and Information Technologies (CoDIT), Vallette, Malta, 2024, pp. 266-271,
Publication date	18 October 2024
URL	https://doi.org/10.1109/CoDIT62066.2024.10708331 https://doi.org/10.48550/arXiv.2404.15165
Readership	<30 (Journal); 1500* (ArXiv); 4600 (Social Media)

*Estimated.

3.2.3. List of Scientific Publications - Year 3

Table 34: Information on scientific publication #13.

Title	Multiple-basis representation of quantum states
Lead partner	Leiden University
Type	Pre-print
Authors	Adrián Pérez-Salinas, Patrick Emonts, Jordi Tura, Vedran Dunjko
Journal	arXiv e-prints, arXiv:2411.03110
Publication date	5 November 2024
URL	https://doi.org/10.48550/arXiv.2411.03110
Readership	1500* (ArXiv); 2500 (Social Media)

*Estimated.

Table 35: Information on scientific publication #14.

Title	Optimal quantum algorithm for Gibbs state preparation
Lead partner	Inria
Type	Pre-print
Authors	Cambyse Rouzé, Daniel Stilck França, Álvaro M. Alhambra
Journal	arXiv e-prints, arXiv:2411.04885
Publication date	7 November 2024
URL	https://doi.org/10.48550/arXiv.2411.04885
Readership	1500* (ArXiv); 1700 (Social Media)

*Estimated.

Table 36: Information on scientific publication #15.

Title	The role of data-induced randomness in quantum machine learning classification tasks
Lead partner	Leiden University
Type	Pre-print
Authors	Berta Casas, Xavier Bonet-Monroig, Adrián Pérez-Salinas
Journal	arXiv e-prints, arXiv:2411.19281
Publication date	28 November 2024
URL	https://doi.org/10.48550/arXiv.2411.19281
Readership	1500* (ArXiv); 6100 (Social Media)

*Estimated.

Table 37: Information on scientific publication #16.

Title	Spin-glass quantum phase transition in amorphous arrays of Rydberg atoms
Lead partner	Pasqal
Type	Pre-print
Authors	Luca Brodoloni, Joseph Vovrosh, Sergi Julià-Farré, Alexandre Dauphin, Sebastiano Pilati
Journal	arXiv e-prints, arXiv:2505.05117
Publication date	8 May 2025
URL	https://doi.org/10.48550/arXiv.2505.05117
Readership	1500* (ArXiv); 6700 (Social Media)

*Estimated.

Table 38: Information on scientific publication #17.

Title	PulserDiff: a pulse differentiable extension for Pulser
Lead partner	Pasqal
Type	Pre-print
Authors	Vytautas Abramavicius, Melvin Mathé, Gergana V. Velikova, João P. Moutinho, Mario Dagrada, Vincent E. Elfving, Alexandre Dauphin, Joseph Vovrosh, Roland Guichard
Journal	arXiv e-prints, arXiv:2505.16744
Publication date	22 May 2025
URL	https://doi.org/10.48550/arXiv.2505.16744
Readership	1500* (ArXiv); 4500 (Social Media)

*Estimated.

Table 39: Information on scientific publication #18.

Title	Meson spectroscopy of exotic symmetries of Ising criticality in Rydberg atom arrays
Lead partner	Pasqal
Type	Pre-print
Authors	Joseph Vovrosh, Julius de Hond, Sergi Julià-Farré, Johannes Knolle, Alexandre Dauphin
Journal	arXiv e-prints, arXiv:2506.21299
Publication date	26 June 2025
URL	https://doi.org/10.48550/arXiv.2506.21299
Readership	1500* (ArXiv); 5100 (Social Media)

*Estimated.

Table 40: Information on scientific publication #19.

Title	First-principles analysis of the effect of magnetic states on the oxygen vacancy formation energy in doped La _{0.5} Sr _{0.5} CoO ₃ perovskite
Lead partner	Fraunhofer ENAS
Type	Pre-print
Authors	Wei Wei, Florian Fuchs, Andreas Zienert, Xiao Hu, Jörg Schuster
Journal	arXiv e-prints, arXiv:2507.07614
Publication date	10 July 2025
URL	https://doi.org/10.48550/arXiv.2507.07614
Readership	1500* (ArXiv); 7900 (Social Media)

*Estimated.

Table 41: Information on scientific publication #20.

Title	Optimization and Synthesis of Quantum Circuits with Global Gates
Lead partner	Leiden University
Type	Pre-print
Authors	Alejandro Villoria, Henning Basold, Alfons Laarman
Journal	arXiv e-prints, arXiv:2507.20694
Publication date	28 July 2025
URL	https://doi.org/10.48550/arXiv.2507.20694
Readership	1500* (ArXiv); 3200 (Social Media)

*Estimated.

Table 42: Information on scientific publication #21.

Title	Exponential Speed-ups for Structured Goemans-Williamson relaxations via Quantum Gibbs States and Pauli Sparsity
Lead partner	Inria
Type	Pre-print
Authors	Haomu Yuan, Daniel Stilck França, Ilia Luchnikov, Egor Tiunov, Tobias Haug, Leandro Aolita
Journal	arXiv e-prints, arXiv:2510.08292
Publication date	9 October 2025
URL	https://doi.org/10.48550/arXiv.2510.08292
Readership	1500* (ArXiv); 500 (Social Media)

*Estimated.

3.3. Event participation and organization

Details of the events organized and/or attended by EQUALITY partners at the local, national, EU and international levels are presented on Tables 43–98.

3.3.1. List of Events - Year 1

Table 43: Information on event participation #1.

Event	Quantum Techniques in Machine Learning (QTML)
Date, Location	7–12 November 2022, Naples, Italy
Description	The conference Quantum Techniques in Machine Learning (QTML) is an annual international event that focuses on quantum machine learning, an interdisciplinary field that bridges quantum technology and machine learning.
Website	https://quasar.unina.it/qtml2022.html
Type, Audience	Conference, 180 attendees
Involved partners	Andrea Skolik (ULEI), poster presentation, “Equivariant quantum circuits for learning on weighted graphs”.

Table 44: Information on event participation #2.

Event	Q2B 2022
Date, Location	6–8 December 2022, Silicon Valley, USA
Description	Q2B is Europe’s leading quantum conference, bringing together global experts, industry leaders, and policymakers to explore breakthroughs, assess technologies, and unlock business value in the evolving quantum ecosystem.
Website	https://q2b.qcware.com/2022-conferences/silicon-valley/
Type, Audience	Trade Show, 800+ attendees
Involved partners	Jasper Krauser (AOG), oral presentation, “Quantum Technologies at Airbus – Bringing Aerospace into the Quantum Era”. (Recordings)

Table 45: Information on event participation #3.

Event	APS March Meeting
Date, Location	5–10 March 2023, Las Vegas, USA
Description	The APS March Meeting brings together scientists and students from around the world to connect and collaborate across academia, industry, and major labs. Students, early-career physicists, and experienced professionals will benefit from the networking and learning at March Meeting.
Website	https://march.aps.org/ , https://meetings.aps.org/Meeting/MAR23/APS_epitome
Type, Audience	Conference, 13,000+ attendees
Involved partners	Panagiotis Barkoutsos (QC), oral presentation, “Quantum Scientific Machine Learning for Multiphysics simulations”.



Figure 17: Image of event #2.

Table 46: Information on event participation #4.

Event	ModVal 2023
Date, Location	21–23 March 2023, Duisburg, Germany
Description	ModVal 2023 is the 19th edition of an annual inter-national symposium on modeling and experimental validation in the field of fuel cells and batteries. The focus of ModVal is on the presentation and discussion of the latest research results, advances in modelling and experimental work on model validation for fuel cells, batteries and electrolysis.
Website	https://zbt.de/modval-2023/
Type, Audience	Symposium, 200 attendees
Involved partners	Andreas Zienert (ENAS), participation without presentation.

Table 47: Information on event participation #5.

Event	Quantum World Day
Date, Location	13–14 April 2023, Hamburg, Germany
Description	For the exchange of information on activities in the Hamburg area DESY, UHH, TUHH, DLR and HQIC are organising jointly the annual World Quantum Day in Hamburg.
Website	https://indico.desy.de/event/38586/
Type, Audience	Conference, 100+ attendees
Involved partners	Kirill Shiiyanov (CAP), participation without presentation.

Table 48: Information on event participation #6.

Event	Congress on Ionic Liquids (COIL-9)
Date, Location	24–28 April 2023, Lyon, France
Description	COIL-9 showcases the latest, exciting developments in ionic liquids and related fields. COIL expects to gather balanced and diverse contributions from both established and new actors working in fundamental science and applications involving ionic liquids.
Website	https://www.coil-9.congres-scientifique.com/
Type, Audience	Conference, 280+ attendees
Involved partners	Max Schammer (DLR), oral presentation, “From bulk thermodynamics to Nano-structuring near electrified interfaces: a continuum transport theory for ionic liquids incorporating solvation effects”.

Table 49: Information on event participation #7.

Event	Airbus Digital Innovation Summit
Date, Location	10–11 May 2023, Munich, Germany and Toulouse, France
Description	Airbus internal gathering to promote Digital Innovation within Airbus community.
Type, Audience	Internal Conference, 400+ attendees
Involved partners	Jasper Krauser (AOG), Wael Yahyaoui (CAP), presence in booth with presentation of a EQUALITY poster.



Figure 18: Image of event #7.

Table 50: Information on event participation #8.

Event	International Supercomputing Conference
Date, Location	21–25 May 2023, Hamburg, Germany
Description	The 24.07.2024 High Performance conference and exhibition is an annual global gathering for HPC technology providers and users. It aims to foster the growth of a thriving community that now includes practitioners of machine learning, data analytics, and quantum computing.
Website	https://www.isc-hpc.com/
Type, Audience	Conference, 3,000+ attendees
Involved partners	Gerd Büttner (AOG), oral presentation, “Quantum Computing@Airbus, Bring Aerospace into the Quantum Era”.

Table 51: Information on event participation #9.

Event	ENAS Technology Workshop
Date, Location	1 June 2023, Leisnig, Germany
Type, Audience	Internal Workshop, 40+ attendees
Involved partners	Andreas Zienert (ENAS); Jörg Schuster, Xiao Hu (ENAS); participation as speakers.

Table 52: Information on event participation #10.

Event	EQUALITY Project @Capgemini Webinar
Date, Location	1 June 2023, Online
Description	Make sure you join our webinar about the EQUALITY project, in which we are developing cutting-edge quantum computer algorithms and exploring hardware strategies to solve strategic industrial problems. We target eight use cases: airfoil aerodynamics, battery design, fluid dynamics, space mission optimisation, materials design, multidisciplinary optimisation, space data analysis and fuel cell design.
Type, Audience	Internal Webinar, 60+ attendees
Involved partners	Gerd Büttner (AOG); Wael Yahyaoui (CAP); Birger Horstmann (DLR); Alfons Laarman (ULEI); Panagiotis Barkoutsos (QC).

Table 53: Information on event participation #11.

Event	France Quantum
Date, Location	13 June 2023, Paris, France
Description	France Quantum is the premier event showcasing the French Quantum ecosystem to the world. The initiative espouses an ecosystem philosophy, with the desire to be as inclusive as possible from Research labs, Startups, and Large corporations or anybody involved in quantum sector.
Website	https://www.francequantum.fr/
Type, Audience	Conference, 700+ attendees
Involved partners	Wael Yahyaoui (CAP); Xavier Aubry, Farhang Hadad Farshi (DVL); participation without presentation.

Table 54: Information on event participation #12.

Event	VivaTech 2023
Date, Location	14–17 June 2023, Paris, France
Description	Viva Technology, or VivaTech, is an annual technology conference, dedicated to innovation and startups, held in Paris, France. VivaTech was founded in 2016 by Publicis Groupe and Groupe Les Echos. The first two days of VivaTech are for startups, investors, executives, students and academics, and it is open to the general public on the third day.
Website	https://vivatechnology.com/
Type, Audience	Conference, 150,000+ attendees
Involved partners	Wael Yahyaoui (CAP), participation without presentation for networking.

Table 55: Information on event participation #13.

Event	EQUALITY Project - ALGO @Capgemini Webinar
Date, Location	15 June 2023, Online
Description	Make sure you join our webinar about the EQUALITY project, in which we are developing cutting-edge quantum computer algorithms and exploring hardware strategies to solve strategic industrial problems. This session will be dedicated to the quantum algorithms developed within the project
Type, Audience	Internal Webinar, 45 attendees
Involved partners	Kirill Shiiyanov, Wael Yahyaoui (CAP); Lorenzo Cardarelli, Panagiotis Barkoutsos (QC).

Table 56: Information on event participation #14.

Event	EQUALITY Project @Capgemini ba.Connect event
Date, Location	16 June 2023, Online
Description	ba.Connect is a unique global online learning experience brought to you by the Business Analysis Community and Capgemini University: designed to help you develop the right skills to get the future you want. This will be a unique opportunity to connect with peers from our community, get inspired, and learn how you can develop.
Website	https://www.airmeet.com/e/ce611c90-f56b-11ed-8566-afb66ebaf6f5
Type, Audience	Webinar, 1,400 attendees
Involved partners	Andreas Kötter, Wael Yahyaoui, Kirill Shiiyanov (CAP), panel presentation, "Quantum from 0 to 1, and what's in between".

Table 57: Information on event participation #15.

Event	EQUALITY Project - HARD @Capgemini Webinar
Date, Location	20 June 2023, Online
Description	This session will be dedicated to the techniques of efficient utilisation of quantum hardware, developed within the EQUALITY project by University of Leiden and partners. Quantum Computers of nowadays are not sufficiently large and prone to errors (which is referred to as Near-term Intermediate Scale Quantum devices, or NISQ), so to achieve any practical benefits using them in the near-term perspective, various approaches to efficient hardware utilisation are being developed.
Type, Audience	Internal Webinar, 45 attendees
Involved partners	Franziska Wolff, Kirill Shiiyanov (CAP); Alfons Laarman (ULEI); Alexander Dauphin (QC).

Table 58: Information on event participation #16.

Event	EQUALITY Project - ENERGY @Capgemini Webinar
Date, Location	29 June 2023, Online
Description	Make sure you join our webinar about the EQUALITY project, in which we are developing cutting-edge quantum computer algorithms and exploring hardware strategies to solve strategic industrial problems. Following the previous webinar, this session will be dedicated to strategic industrial problems in the energy storage domain.
Type, Audience	Internal Webinar, 30 attendees
Involved partners	Wael Yahyaoui, Franziska Wolff (CAP); Birger Horstmann, Max Schammer (DLR).

Table 59: Information on event participation #17.

Event	EQUALITY Project @Airbus Webinar iTalk
Date, Location	29 June 2023, Online
Description	Make sure you join our webinar about the EQUALITY project, in which we are developing cutting-edge quantum computer algorithms and exploring hardware strategies to solve strategic industrial problems. We target eight use cases: airfoil aerodynamics, battery design, fluid dynamics, space mission optimisation, materials design, multidisciplinary optimisation, space data analysis and fuel cell design.
Type, Audience	Internal Webinar, 100+ attendees
Involved partners	Gerd Büttner (AOG); Wael Yahyaoui (CAP); Max Schammer (DLR); Alfons Laarman (ULEI); Panagiotis Barkoutsos (QC).



Figure 19: Image of event #17.

Table 60: Information on event participation #18.

Event	Chiral Matter: from quarks to quantum computers
Date, Location	5–7 July 2023, Tours, France
Description	The conference aims to bring together scientists interested in various aspects of chiral matter and in applications of quantum computing to the description of real-time phenomena.
Website	https://www.lestudium-ias.com/events/chiral-matter-quarks-quantum-computers
Type, Audience	Conference, 30 attendees
Involved partners	Renan Picoreti, Farhang Hadad, Xavier Aubry (DVL), oral presentation, "EQUALITY: Efficient Quantum Algorithms for Industry".



Figure 20: Image of event #18.

Table 61: Information on event participation #19.

Event	International Conference on Statistical Physics
Date, Location	10–14 July 2023, Chania, Greece
Description	The conference is organized in the following three areas to cover all the topics of statistical physics: foundations and theoretical aspects of classical, quantum and relativistic statistical physics and thermodynamics, applications to physical systems, and applications to non-physical systems.
Website	http://www.sigmaphi.polito.it/
Type, Audience	Conference, 500 attendees
Involved partners	Panagiotis Barkoutsos (QC), invited oral presentation, “Quantum Scientific Machine Learning for Multiphysics simulations”.

Table 62: Information on event participation #20.

Event	EQUALITY Project - Market analysis @Capgemini Webinar
Date, Location	12 July 2023, Online
Description	This session aims to present Quantum Solutions' potential in the real business context and explore how to commercialise such deep technologies correctly. For that, we studied the potential outcomes of the EQUALITY project from the business perspective.
Type, Audience	Internal Webinar, 38 attendees
Involved partners	Wael Yahyaoui, Franziska Wolff, Kirill Shiianov (CAP).

Table 63: Information on event participation #21.

Event	Quantum Physics and Logic (QPL) 2023
Date, Location	17–21 July 2023, Paris, France
Description	Quantum Physics and Logic is an annual conference that brings together academic and industry researchers working on mathematical foundations of quantum computation, quantum physics, and related areas. The main focus is on the use of algebraic and categorical structures, formal languages, type systems, semantic methods, as well as other mathematical and computer scientific techniques applicable to the study of physical systems, physical processes, and their composition.
Website	https://qpl2023.github.io/
Type, Audience	Conference, 220+ attendees
Involved partners	Alejandro Villoria, Alfons Laarman (ULEI), Poster presentation, “A graphical notation of convex sums of unitaries for the ZX-calculus”.

Table 64: Information on event participation #22.

Event	Workshop Frontiers of near-term quantum computing
Date, Location	29 August – 1 September 2023, Gothenburg, Sweden
Description	The workshop aims to bring together researchers from the fields of computer science, quantum information and chemistry to discuss theoretical and computational aspects of near-term quantum computing, the capabilities and limitations of current approaches, and strategies towards utilizing near-term hardware for solving practical problems.
Website	https://www.chalmers.se/en/conference/frontiers-of-near-term-quantum-computing/
Type, Audience	Workshop, 60+ attendees
Involved partners	Panagiotis Barkoutsos (QC), invited oral presentation, “Quantum Scientific Machine Learning as pathway towards practical quantum advantage”.

Table 65: Information on event participation #23.

Event	EASN International Conference
Date, Location	5–8 September 2023, Salerno, Italy
Description	13th EASN International Conference will include several Plenary Talks by distinguished personalities of the European Aviation and Space sectors from the academia, industry, research community, and policymakers. The event will also give the opportunity to scientists and researchers from all over the world to present their recent achievements in a series of thematic sessions, organized by internationally recognized scientists.
Website	https://easnconference.eu
Type, Audience	Conference, 470+ attendees
Involved partners	Gerd Büttner (AOG), oral presentation, “Quantum@Airbus: Bring Aerospace into the Quantum Era”. Andreas Kötter (CAP)

Table 66: Information on event participation #24.

Event	Workshop & Autumn School: Quantum Computing and Simulations for Energy Materials
Date, Location	25–29 September 2023, Jülich, Germany
Description	Emerging computational infrastructures of the future, such as quantum computing, will play a pivotal role in the research on materials for the energy transition. This event will gather present and future pioneers of the application of quantum computing to the research on materials and chemistry for the energy transition.
Website	https://www.fz-juelich.de/en/jsa/events/workshop-autumn-school
Type, Audience	Workshop / School, 30 attendees
Involved partners	Jasper Krauser (AOG); Birger Horstmann (DLR), oral presentation, “Quantum Computing at Airbus – The Quantum Quest Towards Low-Carbon Aviation”; Panagiotis Barkoutsos (QC)

Table 67: Information on event participation #25.

Event	European Quantum Technologies Conference
Date, Location	16–20 October 2023, Hannover, Germany
Description	Every two years, the Quantum Flagship gathers the major European research and innovation networks at the European Quantum Technology Conference (EQTC). As the largest quantum event of its kind, we celebrate breakthroughs, highlight the pioneering work of European organisations and connect the dots within the community.
Website	https://eqtc2023.qvls.de
Type, Audience	Conference, 700+ attendees
Involved partners	Andreas Kötter, Pablo-David Rojas (CAP), poster presentation, “EQUALITY - Efficient ‘QUAntum ALgorithms for IndusTrY”.

3.3.2. List of Events - Year 2

Table 68: Information on event participation #26.

Event	(Second) HPC Project Days @DLR
Date, Location	23–24 January 2024, Cologne, Germany
Type, Audience	Internal Workshop, NA
Involved partners	Michael Epping, Linus Scholz (DLR), poster presentation, “Projects ALQU and EQUALITY”.

Table 69: Information on event participation #27.

Event	Seminar on Selection and Evaluation of Models in Artificial Intelligence (Original title: Yapay Zekada Modellerin Seçilmesi ve Değerlendirilmesi)
Date, Location	2 February 2024, Izmir, Türkiye
Description	Cem Ünsal will share current developments and practical applications in the world of Artificial Intelligence and offer participants strategic perspectives on how to select and evaluate models.
Website	https://karsiyakakolektif.com/duyuru-%26-etkinlikler/f/yapay-zekada-modellerin-se%C3%A7ilmesi-ve-de%C4%9Ferlendirilmesi
Type, Audience	Seminar, 70 attendees
Involved partners	Cem Ünsal (ULEI), oral presentation.

Table 70: Information on event participation #28.

Event	Workshop on Quantum Simulators
Date, Location	5–9 February 2024, Paris, France
Description	Quantum many-body systems have a formidable complexity, which grows exponentially with system sizes. Current classical computers can only afford the simulation of small systems, and mainly in reduced dimensions. In this conference we will focus on the simulation of quantum dynamics of both closed and open quantum many-body systems.
Website	https://www.ihp.fr/fr/actualites-activites-de-recherche/t1-2024-quantum-many-body-systems-out-equilibrium
Type, Audience	Workshop, NA
Involved partners	Joseph Vovrosh (QC), oral presentation. “Amorphous quantum magnets in a two-dimensional Rydberg atom array”.

Table 71: Information on event participation #29.

Event	The ZX-seminar
Date, Location	6 March 2024, Online
Description	Initiated at University of Oxford, the weekly ZX seminar provides a virtual venue for researchers to share their work related to the ZX calculus.
Website	https://zxcalculus.com/zxseminar.html
Type, Audience	Webinar, 30 attendees
Involved partners	Alejandro Villoria (ULEI), oral presentation, “Enriching Diagrams with Algebraic Operations”.

Table 72: Information on event participation #30.

Event	Q2B Paris 2024
Date, Location	7–8 March 2024, Paris, France
Description	Q2B is Europe’s leading quantum conference, bringing together global experts, industry leaders, and policymakers to explore breakthroughs, assess technologies, and unlock business value in the evolving quantum ecosystem.
Website	https://q2b.qcware.com/2024-conferences/paris/
Event type	Conference, 400+ attendees
Involved partners	Pasqal (QC) was a sponsor of the event. Capgemini (CAP) had speakers and moderators in Noise Correction and Pharma. Many partners attended.

Table 73: Information on event participation #31.

Event	27th International Conference on Foundations of Software Science and Computation Structures (FOSSACS 2024)
Date, Location	6–11 April 2024, Luxembourg City, Luxembourg
Description	The conference invites submissions on theories and methods to support the analysis, integration, synthesis, transformation, and verification of programs and software systems.
Website	https://etaps.org/2024/conferences/fossacs/
Type, Audience	Conference, NA
Involved partners	Alejandro Villoria (ULEI), oral presentation, “Enriching Diagrams with Algebraic Operations”.

Table 74: Information on event participation #32.

Event	Da Vinci Dialogues
Date, Location	9–10 April 2024, Reugny, France
Description	Event dedicated to exploring the applications of quantum technologies in the fields of environment and health.
Website	https://dialogues.davincilabs.eu/
Type, Audience	Workshop, 50 attendees
Involved partners	Krisztian Benyo (QC), oral presentation, “Quantum and the Energy Transition”.

Table 75: Information on event participation #33.

Event	30th International Symposium on Model Checking Software (SPIN 2024)
Date, Location	10–11 April 2024, Luxembourg City, Luxembourg
Description	SPIN 2024 is the latest in a successful series of workshops and symposia for practitioners and researchers interested in symbolic and state space-based techniques for the validation and analysis of software systems. Techniques and empirical evaluations based on explicit representations of state spaces, as implemented in the SPIN model checker or other tools, or techniques based on the combination of explicit representations with other representations, are the focus of this symposium.
Website	https://spin-web.github.io/SPIN2024/
Type, Audience	Conference, 50 attendees
Involved partners	Alfons Laarman, Alejandro Villoria (ULEI), oral presentation, “Automated Reasoning in Quantum Circuit Compilation”.

Table 76: Information on event participation #34.

Event	QuSoft Internal Meeting
Date, Location	1 May 2024, Amsterdam, Netherlands
Type, Audience	Internal Meeting, 30 attendees
Involved partners	Alfons Laarman (ULEI), invited presentation, “The Unreasonable Effectiveness of Classical Automated Reasoning for Quantum Computing”.

Table 77: Information on event participation #35.

Event	European Space Agency’s Advanced Concepts Team Science Coffee
Date, Location	15 May 2024, Noordwijk, Netherlands
Description	The Science Coffee is an informal event where invited speakers present their innovative view on a topic chosen by the Advanced Concepts Team researchers and discuss its implications on the future of space missions as well as possible collaboration ideas.
Website	https://www.esa.int/gsp/ACT/coffee/2024-05-15%20-%20Alfons%20Laarman/
Type, Audience	Webinar, 20 attendees
Involved partners	Alfons Laarman (ULEI), invited oral presentation, “The Unreasonable Effectiveness of Classical Automated Reasoning for Quantum Computing”.

Table 78: Information on event participation #36.

Event	37th Topical Meeting of the International Society of Electrochemistry
Date	9–12 June 2024, Stresa, Italy
Description	The meeting discusses the latest developments in materials and related electrochemical results and applications in strategic sectors such as local energy distribution, automotive, smart grids and electrical network load management, trying to push the state of the art of novel electrochemical processes to a new advanced level.
Website	https://topical37.ise-online.org/
Type, Audience	Conference, NA
Involved partners	Felix Schwab (DLR), poster presentation, “3D Continuum Modelling and Simulations of Ni/Zn Batteries”

Table 79: Information on event participation #37.

Event	Adiabatic Quantum Computing (AQC) 2024
Date	10–14 June 2024, Glasgow, Scotland
Description	The thirteenth International Conference, AQC 2024 will bring together researchers from different communities to explore adiabatic and diabatic approaches to quantum computing, including quantum annealing, quantum walks, quantum-inspired algorithms and hardware, and quantum simulation of many-body quantum systems.
Website	https://iop.eventsair.com/aqc2024/
Type, Audience	Conference, NA
Involved partners	Joseph Vovrosh (QC), oral presentation, “Amorphous quantum magnets in a two-dimensional Rydberg atom array”.

Table 80: Information on event participation #38.

Event	6th International Workshop on Quantum Compilation (IWQC)
Date, Location	11–12 September 2024, Berlin, Germany
Description	The workshop aims to bring together researchers from quantum computing, electronic design automation, and compiler construction. Open questions that we anticipate this group to tackle include new methods for circuit synthesis, optimization, and rewriting, techniques for verifying the correctness of quantum programs, and new techniques for compiling efficient circuits and protocols regarding fault-tolerant and architecture constraints.
Website	https://quantum-compilers.github.io/iwqc2024/
Type, Audience	Workshop, 60+ attendees
Involved partners	Alejandro Villoria (ULEI), poster presentation, “Optimization and Synthesis of Quantum Circuits with Global Gates”.

Table 81: Information on event participation #39.

Event	Bitkom Quantum Summit
Date, Location	25 September 2024, Berlin, Germany
Description	Quantum computing is rapidly progressing from a theoretical concept to a near-term reality – but how to become quantum-ready and unlock the full potential of the technology for your business?
Website	https://aidaq.berlin/quantum-summit
Type, Audience	Conference, 1800+ attendees (50 attendees for the session)
Involved partners	Daniel Garcia Guijo (QC), oral presentation, “EQUALITY: Advancing the European Quantum Industry”. (Recording)



Figure 21: Image of event #39.

3.3.3. List of Events - Year 3

Table 82: Information on event participation #40.

Event	EQTC 2024 - European Quantum Technologies Conference
Date, Location	17–21 November 2024, Lisbon, Portugal
Description	QTC is a Quantum Flagship event aiming at showcasing the latest developments of research and innovation in Quantum Information Science and Technology, and discussing the corresponding scientific and technological challenges ahead.
Website	https://qt.eu/events/eqtc-2024-european-quantum-technologies-conference
Type, Audience	Conference, 650+ attendees
Involved partners	Hendrik Meer, Andreas Kötter (CAP), poster presentation, “EQUALITY - Efficient Quantum Algorithms For Industry”.

Table 83: Information on event participation #41.

Event	Alain Aspect Symposium 2024
Date, Location	19–20 November 2024, Paris, France
Description	The symposium featured keynote talks, startup and corporate sessions, and roundtable discussions, all aimed at exploring how quantum technologies can drive advancements in climate modeling, renewable energy, and sustainability
Website	https://dialogues.davincilabs.eu/
Type, Audience	Conference, 200 attendees
Involved partners	Xavier Aubry, Renan Picoreti (DVL), poster presentation, “EQUALITY - Efficient Quantum Algorithms For Industry”.



Figure 22: Image of event #41.

Table 84: Information on event participation #42.

Event	Da Vinci Dialogues: Deeptech for a Desirable Future
Date, Location	26 November 2024, Paris, France
Description	The event highlighted the transformative potential of deep tech in tackling global health threats, mitigating climate change, protecting ecosystems, and reducing carbon footprints.
Website	https://dialogues.davincilabs.eu/
Type, Audience	Workshop, 55 attendees
Involved partners	Krisztian Benyo (QC), oral presentation, “Enhancing Industrial Applications With Quantum Algorithms”.



Figure 23: Image of event #42.

Table 85: Information on event participation #43.

Event	DPG Spring Meeting of the Atomic, Molecular, Quantum Optics and Photonics Section (SAMOP)
Date, Location	9–14 March 2025, Bonn, Germany
Description	The Spring Meetings are the DPG's (Deutschen Physikalischen Gesellschaft) flagship events for promoting scientific exchange – both for internal communication within the DPG and for exchange with researchers from all over the world.
Website	https://bonn25.dpg-tagungen.de/
Type, Audience	Conference, ~2000 attendees
Involved partners	David Steffen (DLR), poster presentation, “Quantum algorithms to solve partial differential equations in battery modelling”.

Table 86: Information on event participation #44.

Event	Hannover Messe 2025
Date, Location	3 April 2025, Hannover, Germany
Description	Hannover Messe is one of the world's leading trade fair for industry, with more than 4,000 exhibiting companies from the mechanical engineering, electrical and digital industries, and the energy sector.
Website	https://www.hannovermesse.de/
Type, Audience	Trade fair, 50 attendees in the panel + livestream
Involved partners	Kirill Shiiarov, Franziska Wolff (CAP), and Jasper Krauser (AOG), panel discussion, “Quantum Computing for Industry: Value, Challenges, and Adoption Strategies”.

Table 87: Information on event participation #45.

Event	QCTiP 2025 - Quantum Computing Theory in Practice
Date, Location	23–25 April 2025, Berlin, Germany
Description	Quantum hardware is living an exceptionally exciting phase and ongoing theoretical advancements are bringing practical applications of this hardware closer to realization. QCTiP aims to bring together academic community and industry representatives to foster discussions on how to unlock the full potential of quantum computers.
Website	https://berlinquantum.de/en/events-tiles/event/quantum-computing-theory-in-practice-qctip-2025
Type, Audience	Conference, ~300 attendees
Involved partners	Michael Schelling (DLR), poster presentation, "Towards Solving Transport Equations in Battery Modelling with Variational Quantum Algorithms".

Table 88: Information on event participation #46.

Event	2nd Workshop on Quantum Software 2025
Date, Location	1 June 2025, Seoul, Korea
Description	This workshop aims to gather researchers and experts for discussing new ideas as well as the most significant directions of research in quantum software.
Website	https://pldi25.sigplan.org/home/wqs-2025
Type, Audience	Workshop, 30 attendees
Involved partners	Alejandro Villoria (ULEI), oral presentation, "Optimization and Synthesis of Quantum Circuits with Global Gates".

Table 89: Information on event participation #47.

Event	Battery 2030 Young Scientist Event
Date, Location	3 June 2025, Würzburg, Germany
Description	The YSE engages young scientists to express their ideas about the future battery research landscape by providing input on the BATTERY 2030+ roadmap and curricula.
Website	https://battery2030.eu/news/happenings-events/the-second-young-scientist-event-yse-june-3rd-2025/
Type, Audience	Workshop, NA
Involved partners	Lukas Köbbing, (DLR), participation without presentation.

Table 90: Information on event participation #48.

Event	International Supercomputing Conference ISC 2025
Date, Location	10–12 June 2025, Hamburg, Germany
Description	ISC 2025 is the 40th anniversary of the world's leading forum for advancing the application of high performance computing in academia, government, and the private sector. The goal of this annual event is to foster a global exchange of knowledge, innovation, and collaboration in the field.
Website	https://isc-hpc.com/
Type, Audience	Conference, 3000+ attendees (400+ in single panel)
Involved partners	Sebastian Lange (AOG), panel participation, "From Qubits to Insights: The Role and Roadmap of Hybrid Quantum-HPC Software", presentation of Airbus use case on space data analysis.

Table 91: Information on event participation #49.

Event	AFQC 2025
Date, Location	23 June 2025, Munich, Germany
Description	With AFQC 2025: Impact we bring together the most relevant people from the German and European quantum computing ecosystem to create a better quantum computing ecosystem.
Website	https://qci.dlr.de/afqc2025/
Type, Audience	Workshop, ~150 attendees
Involved partners	Albert Pool (DLR), participation without presentation.

Table 92: Information on event participation #50.

Event	14th HIU-Biennial Meeting 2025
Date, Location	29–30 July 2025, Ulm, Germany
Description	HIU Biennial Meeting 2025 brought together around scientists and researchers in the field of battery materials science. The served as a platform for exchanging ideas, sharing progress, and strengthening collaborations within the growing HIU research community.
Website	https://hiu-batteries.de/en/news_and_events/biennial-meeting-2025/
Type, Audience	Meeting, 100+ attendees
Involved partners	David Steffen, Albert Pool (DLR), poster presentation, "Towards Solving Transport Equations in Battery Modelling with Variational Quantum Algorithms".

Table 93: Information on event participation #51.

Event	Psi-k Conference
Date, Location	25–25 August 2025, Lausanne, Switzerland
Description	Psi-k 2025 is the 7th general conference for the worldwide Psi-k community. Held every 5 years, this event is the largest worldwide in first-principles simulations.
Website	https://www.psik2025.net/
Type, Audience	Conference, ~1300 attendees
Involved partners	Wei Wei (ENAS), poster presentation, "First-principles analysis of the effect of magnetic states on the oxygen vacancy formation energy in doped La _{0.5} Sr _{0.5} CoO ₃ (LSC) perovskite". Xiao Hu (ENAS), poster presentation, "Computational study of performance metrics and discharge mechanisms in lithium–sulphur batteries".

Table 94: Information on event participation #52.

Event	SAMBA - Summer Academy For Modeling Batteries 2025
Date, Location	1–5 September 2025, Lyngby, Denmark
Description	SAMBA 2025 focuses on multi-scale modeling of battery materials, combining theoretical simulations and experimental validation, the battery solid-electrolyte interface, and their ultrafast processes.
Website	https://www.conferencemanager.dk/sambasummerschool2025
Type, Audience	School, NA
Involved partners	Laura Femmer (DLR), poster presentation.

Table 95: Information on event participation #53.

Event	2nd DPG Fall Meeting: 100 Years of Quantum Physics
Date, Location	8–12 September 2025, Göttingen, Germany
Description	The meeting covered the present status and perspectives of all fields of modern physics reigned by quantum mechanics (condensed matter physics, atomic and molecular physics, quantum optics, elementary particle physics, quantum information and computing, and many others) as well as the historical roots of quantum mechanics and conceptual questions that still challenge us today.
Website	https://quantum25.dpg-tagungen.de/
Type, Audience	Conference, NA
Involved partners	Albert Pool (DLR), oral presentation, "Variational quantum algorithms for continuum modelling of batteries". David Steffen (DLR), oral presentation, "Influence of Quantum Feature Maps in Differentiable quantum circuits to solve partial differential equations".

Table 96: Information on event participation #54.

Event	4th International Zinc and other Aqueous Batteries Workshop
Date, Location	17–19 September 2025, Kyoto, Japan
Description	The 4th IZABW aims at sharing the state-of-the-art of the technology at an international level, discussing promising R&D pathways for the technical improvement of these batteries, and supporting mutual communication.
Website	https://battery.electrochem.jp/IZABW/
Type, Audience	Workshop, ~150 attendees
Involved partners	Felix Schwab (DLR), poster presentation, “Ni/Zn Cell Simulations on a Continuum Scale”.

Table 97: Information on event participation #55.

Event	Visit at Kyushu University
Date, Location	22 September 2025, Fukuoka, Japan
Type, Audience	Other, NA
Involved partners	Felix Schwab (DLR), oral presentation on overview of research activities at DLR, including quantum computing projects and EQUALITY.

Table 98: Information on event participation #56.

Event	Q2B Paris 2024
Date, Location	25 September 2025, Paris, France
Description	Q2B is Europe’s leading quantum conference, bringing together global experts, industry leaders, and policymakers to explore breakthroughs, assess technologies, and unlock business value in the ecosystem.
Website	https://q2b.qcware.com/conference/2025-paris
Event type	Conference, 400+ attendees
Involved partners	Moriz Scharpenberg (AOG), Kirill Shilianov (CAP), oral presentation, “Efficient Quantum Algorithms for Industry – Joining Forces Between Industry and Academia”.



Figure 24: Image of event #56.