DELIVERABLE REPORT

NEXUS

D6.3: Report on (1) dissemination activities such as workshops, events, conferences, webinars, social media, newsletters and (2) scientific publication and workshops.

PREPARED BY
Becquerel Institute
COORDINATED BY
CEA

Grant Agreement n°101075330

NEXUS is a 3-year research and innovation project funded by the European Commission through the Horizon Europe Research and Innovation Action (RIA) grant N°101075330, responding to the call for a "*Sustainable, secure and competitive energy supply*" (HORIZON-CL5-2021-D3-02).
NEXUS aims to accelerate Europe's energy transition by developing perovskite-silicon tandem photovoltaic technology, via a new European paradigm: an eco-design approach, based on efficiency, cost, sustainability, circularity and social aspects and using abundant materials. NEXUS aims to develop stable, 2-terminal perovskite-silicon tandem solar cells and modules with high power conversion efficiencies, using sustainable, coherent and competitive European PV production, to create a viable economic pathway for the European commercialisation of this technology.
NEXUS is formed of a multi-disciplinary consortium: 12 partners from 9 European countries; 5 industrial partners & 7 RTOs, covering the whole value chain of innovation from research centres to technology providers, end-users and market and policies.

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NEXUS Consortium

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KARLSRUHER INSTITUT FUER TECHNOLOGIE	KIT	DE
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UNIVERSITAT DE VALENCIA	UVEG	ES
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ICARES CONSULTING	BI	BE
~~NORSUN AS (left on 17/12/24)~~	~~NORSUN~~	~~NO~~
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1. Executive Summary

This document summarises the dissemination and communication activities implemented throughout the NEXUS project, highlighting how they have contributed to promoting the project's objectives. It contains the main strategic and operative guide that governed the dissemination, exploitation, and communication activities of the project. It starts with an introduction based on the definition of the main concepts linked to communication, dissemination and exploitation activities in Horizon Europe followed by the definition of the objective and approach of the communication strategy and finally the execution of the NEXUS project.

NEXUS adopted a multifaceted dissemination, exploitation, and communication policy using a wide range of resources to ensure a multi-channel approach. This would enable to reach a wide range of stakeholders, from people already interested in the project, such as researchers at universities, RTOs, and in the industry, but also students who might become interested to work on PV; decision and policy makers; investors; etc.

Communication activities focused on raising awareness about NEXUS's goals to advance Europe's energy transition through sustainable perovskite-silicon tandem photovoltaic technology. Through the project website and social media, the consortium effectively shared milestones, general information, and publications with a wide range of interested people.

Dissemination activities were centred on scientific visibility and knowledge exchange. Partners published peer-review articles in scientific journals, and presented project results at major international conferences such as EU PVSEC, PV Tandem, PVCON, and PSCO. Posters, workshops, and webinars further enhanced scientific engagement and allowed for exchange of ideas with the academic community.

The report also assesses the project's performance against the established metrics in the Grant Agreement, including website traffic, social media reach (LinkedIn, Instagram), event participation, and scientific publications. Overall, NEXUS successfully met its communication and dissemination targets, contributing to the broader European efforts to strengthen innovation, and sustainability in the photovoltaic sector.

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2. Introduction

2.1. Purpose and Scope

This final report presents an overview of the communication and dissemination efforts carried out during NEXUS project, summarizing how the consortium has implemented the strategy initially outlined in Deliverable D6.1, Dissemination, Exploitation and Communication plan. The document catalogues the projects activities within these goals and provides an evaluation on how these activities have contributed to promoting the project's objectives, ensuring awareness and engagement with key target groups.

The NEXUS project, funded under the Horizon Europe programme (Grant Agreement No. 101075330), aims to accelerate Europe's energy transition through the development of perovskite–silicon tandem photovoltaic technology. Building on the project's eco-design approach—focused on efficiency, cost, sustainability, circularity, and the use of abundant materials—the communication and dissemination actions have played a key role in positioning NEXUS within the European PV research and innovation ecosystem.

The communication and dissemination framework encompassed a comprehensive set of actions, with particular emphasis on the management and promotion of scientific publications. In line with the guiding principles established by the European Commission under Articles 16 and 17 of the Grant Agreement, these activities ensured that project results were effectively communicated to both specialised and general audiences. To fulfil these obligations, the consortium implemented a multi-channel strategy that combined scientific dissemination with accessible communication, ensuring awareness, and broad engagement across audiences.

2.2. Definitions and basic concepts

When it comes to D&C, clear legal obligations are well defined in the grant agreement of the project (articles 16 and 17). The main conceptual differences between these activities, based on EU guidelines, are:

Communication aims to inform, promote, and communicate activities and results. They target the widest audience, including the media and citizens in general. A less technical, more accessible language at the reach of a non-specialist audience is required for the understanding of the objectives, roles and results of the project. Therefore, communication activities include: visual identity (logo, graphic charter…), public website, leaflets and flyers, social media, videos, press releases, etc. It is relevant for stronger engagement, attracting experts, generating market demand, increasing the awareness of public spending, and showing successful collaboration of European actors.

Dissemination aims at maximising the knowledge of research results in the public domain. Therefore, the target audience of dissemination activities is any potential user of the project results: the scientific community, industry, policymakers, investors, civil society, authorities etc. Dissemination occurs through scientific and technical publications, specialized conferences and workshops, databases. In the EU, Open-science practice is encouraged when it comes to dissemination. It is also relevant to allow other researchers to move beyond, contributing to the state-of-the-art advancements and making scientific results a common good.

Finally, the objective of **exploitation** activities is the concrete use of project results. It can be for commercial, scientific, or political purposes. Valorisation and knowledge transfer are targeted. The users

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can be researchers, industry, SMEs, policymakers, civil society… Exploitation can occur through the creation of roadmaps, prototypes, software, knowledge sharing, skills and database improvement… Exploitation activities usually start towards the end of the action and should continue beyond the end. They can be beneficial for innovations, the economy, the society, new legislation, or recommendations. Exploitation activities are not addressed in this report.

2.3. Description of the deliverable content and purpose

This Report on Communication and Dissemination activities (deliverable D6.3) has been prepared based on the general description of the dissemination, communication and exploitation strategy, and following the content of chapter 2 “measures to maximize impact” (of the Grant Agreement (GA)), the specific tasks described under Work Package 6 (Annex 1 of the GA, part A) and the rules governing the Consortium Agreement (CA) signed by the partners.

This document describes the communication and dissemination strategies which were implemented during the project duration. It also describes the target groups and the communication tools addressed, showcasing the key actions and events. It contains the main strategic and operational actions for all dissemination and communication activities of the project. These actions ensured that all relevant information was shared with the appropriate audiences in a timely manner and by the most effective media. This report (D6.3) corresponds to the final update of the DECP, which was submitted in M4 (February 2023) as part of Task T6.1 within WP6.

The document is structured as follows: Section 3 provides a summary of the strategy for communication and dissemination activities. Section 4 describes the efforts made in the communication activities. Section 5 provides the actions taken for dissemination of project achievements. Section 6 evaluates performance versus targets set on the grant agreement. Finally, section 7 gives a brief conclusion.

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3. Strategy Summary

Regarding Task 6.1, it can be stated that the strategy and objectives defined in the Dissemination, Exploitation and Dissemination Plan (D 6.1) were largely implemented and achieved. The main objective of the Communication and Dissemination plan was to increase potential impacts and to make project results scalable and replicable.

The development of the communication and dissemination activities are targeted towards a primary target which includes researchers, manufacturers and equipment suppliers, standardization organisms, research and industrial PV associations and policy makers. On a secondary level, the target audiences are PV integrators and operators, as well as, general society.

To maximize project awareness and engagement with key target groups, the project aimed to spread its message through a visual identity, along with a public website, project brand and promotional materials, and social media presence. The visual identity hinged on a logo created for this project combining the blue and yellow colours, a clear reference to the tandem technology as well as solar power and photovoltaics. It represents the project and its ambition.

Table 1 - Stakeholders and Target groups relevant for the support and social acceptance of the project

Stakeholders	Targeted Groups
Researchers	International PV specialists working on similar topics either at universities, RTOs or private companies. Current and future students and researchers who will become specialists in perovskite technology. **Consortia's network**, including active EU project's network (as H2020's: PERTPV ID, HELD ERC-AD, PERSEPHONE, PERCISTAND, PHOTORAMA H2020, AMPERE H2020 & Highlite H2020, and VIPERLAB), and other national projects such as 27Plus6 (Germany) Other EU projects active in similar subjects TRIUMPH, SUPERTANDEM IEA PVPS
Manufacturers and equipment suppliers	**Raw materials**: Wacker, Merck, Novaled, Dyenamo (Sweden), Greatcell Solar Materials (Australia), Peccell technologies (JP); Alfa Chemistry Materials (USA) , Avantama (Swiss), Borum (China), Dowa electronics materials (Japan), Green Science Alliance (Japan), Microchem (S.Korea), Nanox (Canada), Norsun, Norwegian Crystals (NW) **Production equipment suppliers**: in the EU: Von Ardenne (DE), MBRAUN (DE), Creaphys , Singulus, Smit TS, Aixtron (DE), Bergfeld Lasertech (DE), FOM technologies (DK), InfinityPV (DK), Jacomex (FR), SALD (NL). Outside of EU: Toray engineering (JP), , Inert (USA), Kortherm Science (Korea), Kurt J Lesker Company (USA), Mitsuboshi Diamond Industrial (JP), nTact (USA), SC Solar (China), **Characterization, and advanced design tools**: Wavelabs, BT imaging (Australia), Enli technology (Taiwan), Ossila (UK), Fluxim (Swiss) **PV devices: Oxford PV,** Evolar (Sweden), Saule (PO), Qcells (DE/S.Korea), Meyer Burger (DE/CH), ENEL (IT), Power Roll Limited (UK), Valais Perovskite Solar (Swiss), Bluedot photonics (USA), Front Materials (Taiwan), Kalyon PV (TK)… BOS (inverters..)
Standardization and certification organisms	TÜV, VDE **Certification :** FhG ISE (DE) , NREL (US) , AIST (JP) , ISFH (DE). Eco-design specs definition
Research and industrial PV associations	SPE, ESMC, EUREC, EREF, EERA, ETIP PV, UNEF (ES), BSW (DE), Elettricità Futura (IT), SER (FR), EPKI
Policy makers	Authorities and Public Bodies at local, national, European and international level, relevant

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Stakeholders	Targeted Groups
	for EU labels, Eco-design specs definition, Permitting, among others.
Integrators, operators	Ground-mounted, Industrial, Commercial, and residential PV owners, PV project developers, installers, prosumers, EPCs, Network Operators (DSOs, TSOs)
General society	Investors, other (residential) end-users and General public

The project website was set up at the beginning of the project (M1-3). The website is used as the entry point to assess the achievement of the project. It aims at making the project's information public and easily available, offering access from anywhere in the world and working as a strong dissemination tool addressing all target groups. In the beginning it informed about the scope and objectives of the project, and progressively it was populated with contents covering, public deliverables, articles, events, and news.
The project brand, as part of the visual identity of the project, relied on the use of specific templates for all project reports, and presentations. For all publications, all partners had to comply with a contractual obligation (see article 17 of the Grant Agreement) to use the EU emblem in every communication together with a disclaimer acknowledging the funding of the European Union:

"Funded by the European Union" and when possible "This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101075330".

And dissemination of results had to include that it reflects only the author's view, and that the Agency is not responsible for any use that may be made of the information it contains. This legal notice should appear on every scientific publication:

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Regarding the promotional materials for this project, the consortium used newsletters, social media posts, a press release, and short videos. The newsletter was published every 6 months, inviting project partners to add relevant content linked to their activities both for information and training. Social media posts were used to share project targets and the latest project updates, short videos were created to address the general public aiming to reach a wider audience. A press release was used to reach the specialised press.
The project leveraged social media as a tool to popularize the scientific learnings of the project, making technical results more accessible to the general public. The chosen social media platforms where Instagram, and LinkedIn. Each of these allowed to approach a broader audience with similar interests in the field.

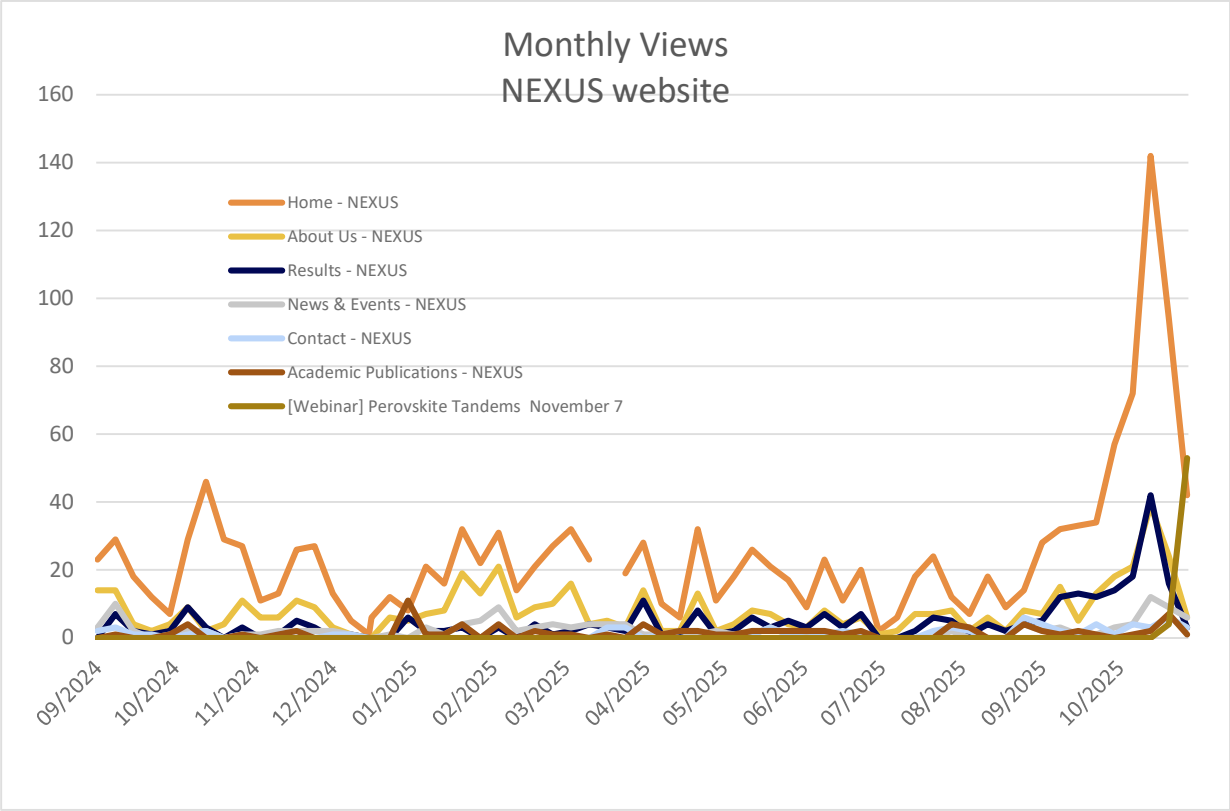
4. Communication channels and monitoring

4.1. Website

Table 2: Website metrics

Period covered	01/10/2023–18/11/2025
Pageviews	5788
Visitors	3200 (>50% by direct entry; 25% by search engine)
Popular pages	Home; About; Results; News&Events; Publications
Visitors by country	USA; China; Singapore; Germany; France

As part of the project, a public website (Annex 5) was developed to serve as the central hub for sharing updates and results. The website functions as a key communication tool, providing general information about the project, hosting its main outputs, and offering access to academic publications produced during its implementation. It also aggregates event announcements, newsletters, and other communication and dissemination materials, ensuring that all relevant content is easily accessible to stakeholders and the wider public interested in the project's progress and impact. Frequentation accelerated in the last period of the project, as results were published and participation in events increased knowledge of the project



4.2. Social media

Social media has been a central tool for promoting events, making accessible the scientific achievements of the NEXUS project and translating technical results into accessible content for broader audiences. By

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adapting the communication style to the characteristics of each platform, the project ensured effective outreach and engagement. LinkedIn was used to reach professional and research communities, providing space for detailed posts, technical updates, and networking with relevant groups. Instagram, in contrast, served as a visual repository for project images and short announcements, helping to connect with younger audiences such as students and early-career researchers. The platform's suitability for visually driven content made it particularly valuable for promoting events like the PSCO Conference and webinars.

NEXUS maintained active social media profiles — LinkedIn and Instagram — and implemented targeted campaigns to grow its visibility. Regular posts featured news, publications, and consortium highlights, supported by the dedicated hashtag *#nexuspv* to consolidate project-related content. Campaigns such as *#facesofnexuspv* personalised the project by showcasing partners and their contributions, strengthening engagement through authenticity and professional networks. Consortium members were encouraged to amplify the project's posts via their own channels (Annex 1), expanding audience reach and impact. Continuous monitoring of social media activity ensured consistent performance tracking and alignment with the project's communication objectives (Annex 2).

LinkedIn and Instagram content can be found under Annex C.

Table 3 – Social media metrics

Channel	Followers	Posts	Impressions	Engagements	URL
LinkedIn	548	82	44635	2447	NEXUS project
Instagram	205	26	-	165	nexuspv

4.3. Newsletters and mailing lists

Newsletters were published every 6 months in the first reporting period, inviting project partners to add relevant content linked to their activities both for information and training. However, discussion within project members led to the decision to discontinue the newsletter; mainly because other means of communication offering greater visibility had been put in place (LinkedIn posts, videos, etc. Subscribers were also subscribed to LinkedIn and received projects updates more regularly through this medium.

Table 4 – Newsletter metrics

Issue/date	Audience/size	Open rate	Click rate	Unsubscribes	Key content
6M Newsletter / 30/06/2023	56 subscribers	50,9%	25,5%	0	Project presentation, first results and next events
12M Newsletter / 07/12/2023	65 subscribers	51,6%	19,4%	0	New member, event participation recap, 12 month meeting
18M Newsletter / 25/07/2025	73 subscribers	51,4%	21,4%	0	Promotion of publications and events

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4.4. Media, outreach and communication materials (factsheets, posters, videos, infographics)

The visual identity was built on the development of a logo combining the blue and yellow colours, a clear reference to the tandem technology as well as solar power and photovoltaics. It represents the project and its ambition. The text part (NEXUS) is the name of the project, an acronym formed from the words "**NEXt generation of sUstainable perovskite-Silicon tandem cells**" which summarizes its main goal. To maintain consistency across all communication materials, a comprehensive set of branded templates was developed, as observed in Annex 3. These templates ensured a unified and professional appearance across all dissemination outputs, events, and online platforms.
Brochures and press releases (Annex 6) were key tools for communicating project objectives, and latest updates to target audiences. Brochures were distributed during conferences, workshops, and stakeholder events to provide a concise overview of NEXUS objectives, partners, and expected impacts. Press releases were published in media outlets specialised in the solar PV sector (PV Magazine and PV Tech). This integrated approach reinforced the project's visibility, strengthened engagement, and contributed to the wider dissemination of NEXUS results across the European research and innovation landscape.

Figure 1 NEXUS communications roll up at PSCO 2023 (left and PVCON24 (right) with researcher partners Henry Snaith (UOXF), left and Henk Bolink (UVEG)

5. Dissemination activities

The project's dissemination activities comprised the publication of 28 articles in academic journals and conference proceedings, as well as participation in a total of 56 scientific and professional events. The complete list of publications and dissemination events is provided in the Annex.
Throughout the project, partners participated in the organisation of 7 dissemination events — one international conference and 6 workshops — which served as key opportunities to share project updates and results with the wider community. In addition, consortium members contributed to numerous external conferences and workshops held across 21 countries, acting as keynote or invited speakers, oral session presenters, poster contributors, and participants. During these events, 20 posters were presented, each highlighting important outcomes or lessons learnt from the research and 76 oral/speaker presentations were given. These activities substantially enhanced the visibility of the project and supported the dissemination of its scientific and technological advancements.

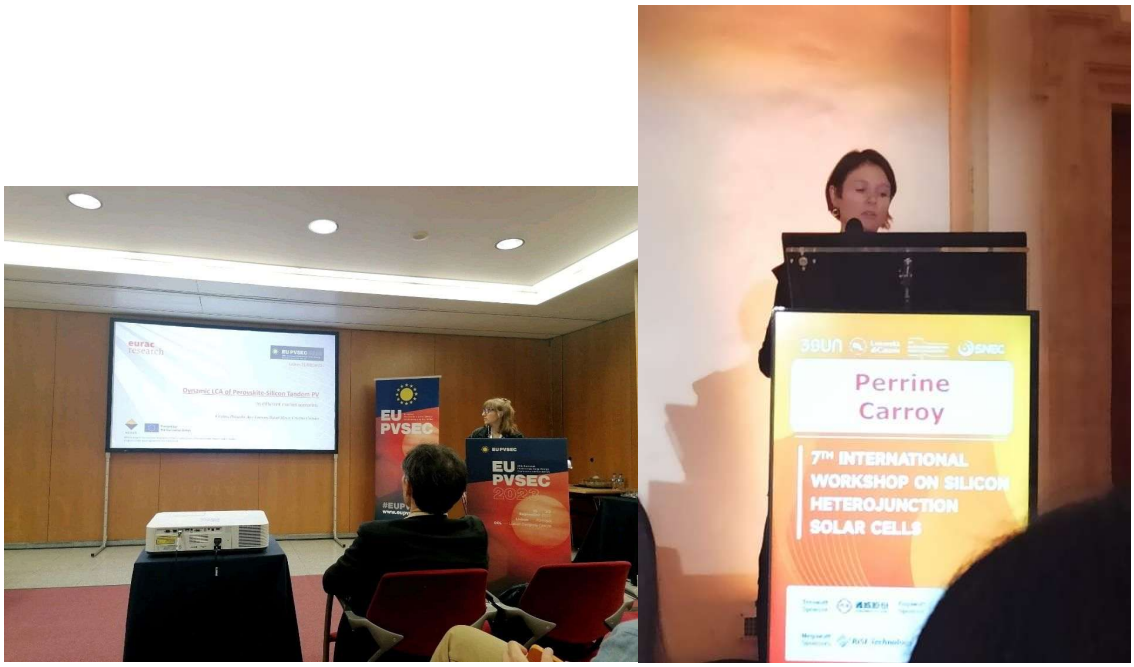

Figure 2: Cristina Polacchi (EURAC) during the presentation of "Dynamic LCA of Perovskite-Silicon Tandem PV" in EU PVSEC 2023 (left) and Perrine Caroy (CEA) at the 7th HJT workshop in 2024 (right)

Project partners actively participated in leading international conferences such as EU PVSEC, PV Tandem, PVCON, and PSCO, where they presented key advancements achieved through the project's research activities. These events provided a platform to showcase scientific progress and technological innovations developed by NEXUS. In Figure 22, Cristina Polacchi, researcher at EURAC and partner of the NEXUS consortium, presented the first research findings at EU PVSEC 2023, highlighting the LCA work during the first year of the project's lifetime.

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Figure 3: Poster of PVCON24, organised by ODTE GUNAM event where NEXUS's coordinator Perrine Corroy participated

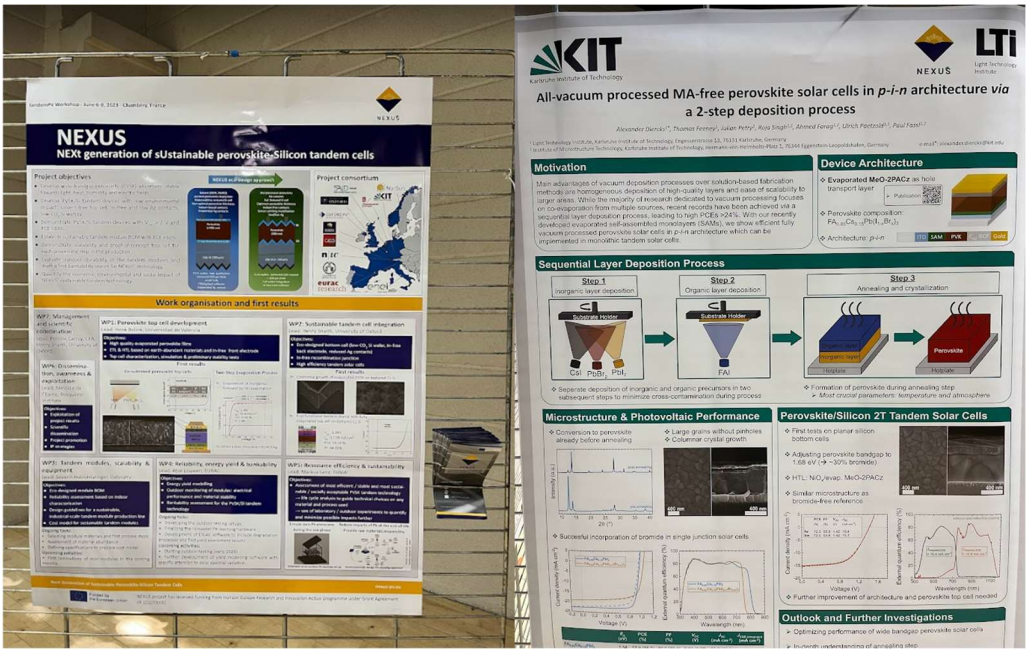

Figure 4: Posters presented by CEA (left) and KIT (right) at Tandem PV workshop 2023 in Chambéry.

The above Figures illustrate the engagement of the consortium in dissemination activities throughout the project. Partners participated in workshops that provided opportunities to present and discuss research advancements related to NEXUS objectives. Figure 4 presents a couple of posters presented at academic event, which allowed to communicate project insights and results to a broader audience, contributing to the dissemination of NEXUS's scientific achievements.

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6. Performance versus KPIs

The Nexus project communication and dissemination KPI's were for the most part met.

Table 5 – Performance versus KPIs table

KPI	Target	Achieved	Status / comments
Project website and updates	Views/year: 2000 Updates/year: 6	Views achieved 2024 and 2025 Updates achieved	5775 total; Achieved in 2024 and 2025 > 40 pages or updated pages
Participation in conferences & meetings	21	Achieved	101 participations in 56 different events
Conference organization	1	Achieved	PSCO2024 and PVCON24 Note - these conferences do not edit Proceedings.
Events and workshops	Workshops: 3 General event: 1	Achieved	Scientific – Oct 2025 Industry – Dec 2024 Policy – Nov 2025 General: PSCO 2024
Webinars	Webinars: 3 Avg participation: 50	Achieved	Special session PVCON24 Pb / PSCO24 FuturePV25 Women in PV EUPVSEC25
Scientific publications	22	Achieved	28 open access 1 other 3 submitted
Press releases	7	Not achieved	1 February 2023 1 M24 meeting https://www.3sun.com/it/search-news/news/2024/12/3sun-progetto-nexus 1 December 2025 (final results)
Online publishing	Minimum 18 posts (across magazines, newspapers, blogs etc)	Achieved	Instagram: 50 LinkedIn: 81 Blog: >25 (News section on project website)
Short project videos	Views:> 2000	Achieved	3800 views across 5 videos
Project leaflets	> 100 per year	Achieved	All leaflets were distributed by mid-2024
Social Media followers			LinkedIn followers: 548

Unmet KPI's: Press releases

The number of press releases issued during the project was lower than originally planned. This shortfall is linked to the nature and timing of the results generated throughout the work programme. Several key outcomes remained confidential due to intellectual-property considerations or competitive sensitivity, and could therefore not be publicly communicated. Other expected milestones were delayed or not sufficiently mature to ensure accurate and responsible dissemination. In order to avoid releasing premature or non-validated information, communication activities were limited to the two press releases that met both the scientific and confidentiality requirements of the consortium.

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7. Conclusion

The communication and dissemination activities implemented throughout the NEXUS project successfully supported the visibility, scientific reach, and stakeholder engagement expected under Work Package 6. The strategy defined in the initial Dissemination, Exploitation and Communication Plan was effectively applied, resulting in strong performance across most of the key indicators set in the Grant Agreement. The project's presence at high-level scientific and industrial events, the publication of 28 open-access scientific papers, and the sustained use of a multi-channel communication approach contributed to positioning NEXUS within the European PV research and innovation landscape. Project outputs were made accessible through the website, social media channels, newsletters during the early stages, promotional materials, scientific events, and dedicated workshops.

While the majority of communication and dissemination KPIs were achieved or surpassed, the target for press releases could not be met. This outcome reflects the specific nature of the research activities and their associated confidentiality constraints. However, non-sensitive results were widely communicated, and uptake of project results is expected to by commensurate.

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9. Annexes

9.1. Annex 1: Social Media Capital

Partner	Website	Linkedin	Followers	Instagram	Followers
CEA	www.cea.fr	@CEA	311 066	@CEA_Officiel	26 900
EURAC	www.eurac.edu/en	@euracresearch	31 047	@euracresearch	5 291
KIT	www.kit.edu	@KIT	168 806	@kitkarlsruhe	36 400
RUG	www.rug.nl	@rijksuniversiteit-groningen	261 897	@universityofgroningen	67 300
SALD	spatialald.com	@sald-bv	1 700	/	/
UVEG	www.uv.es	@university-of-valencia	220 880	@universitatvalencia	50 600
3SUN	www.3sun.com	@3sun-srl	19 118	@3sun-srl-by-enel-green-power	?
BI	becquerelinstitute.eu	@BecquerelInstitute	2 385	/	/
~~NORSUN~~	~~www.norsun.no~~	~~@norsun~~	~~5 279~~	~~/~~	~~/~~
UOXF	www.ox.ac.uk	@oxforduni	1 484 620	@oxford_uni	2 M
OXPV	www.oxfordpv.com	@oxfordpv	16 574	@oxfordpv	282
FHNW	www.fhnw.ch	@fachhochschule-nordwestschweiz-fhnw	86 278	@fhnw.ch	7 406
ODTÜ-GÜNAM	https://odtugunam.org/	@odtu-gunam	10 374	@odtugunam	623

Data collected on November 18, 2025.

9.2. Annex 2: Communication Inputs

Partners	Role	Type	Title	Date	Date2	Place	Country
RUG	Oral	Conference	NWO Physics 2025	21-22/01/2023	22/01/2023	Veldhoven	The Netherlands
OXPV	Speaker/participant	Conference	MATSUS23 Spring	06-10/03/23	10/03/2023	Valencia	Spain
KIT	Organizer and Oral	Conference	Baden-Württemberg Perovskite PV Workshop	04/10/2023	10/04/2023	Stuttgart	Germany
OXPV	Speaker/participant	Conference	Spring MRS23	10-14/04/23	14/04/2023	San Francisco	USA
KIT	Oral	Conference	Spring EMRS 2023	29/05/23-02/06/23	01/06/2023	Strasbourg	France
CEA	Organizer/speaker/ participant	Workshop	TandemPV	06-08/06/23	08/06/2023	Chambéry	France
KIT	Poster	Workshop	TandemPV	06-08/06/23	08/06/2023	Chambéry	France
UVEG	Oral	Workshop	TandemPV	06-08/06/23	08/06/2023	Chambéry	France
UVEG	Poster	Workshop	TandemPV	06-08/06/23	08/06/2023	Chambéry	France
EURAC	Poster	Conference	Seconda Conferenza annuale 2024 - Rete Italiana del Fotovoltaico	11-12/06/2023	12/06/2023	Bolzano	IT
RUG	Poster	Conference	LMPV 2023	16/06/2023	16/06/2023	Amsterdam	The Netherlands
UVEG	Invited speaker	Conference	2023 MRS Fall meeting	26/11-01/12/2023	30/06/2023	Boston	USA
UVEG	Invited speaker	Conference	International Conference on Materials for Advanced Technologies (ICMAT)	26-30/06/2023	30/06/2023	Singapore	Singapore
FHNW	Speaker	Conference	RawMat2023	28.-30/08/2023	30/08/2023	Athens	Greece
FHNW	Speaker/participant	Outreach	Rendez Vous Fokus Energie	8-9/09/23	09/09/2023	Bern	Switzerland
FHNW	Speaker		PSCO23	18-20/09/23	20/09/2023	Oxford	UK
KIT	Poster	Conference	PSCO23	18-20/09/23	20/09/2023	Oxford	UK
OXPV	Participant	Conference	PSCO23	18-20/09/23	20/09/2023	Oxford	UK
UOXF	Organizer	Conference	PSCO23	18-20/09/23	20/09/2023	Oxford	UK
UVEG	Invited speaker	Conference	PSCO23	18-20/09/2023	20/09/2023	Oxford	UK
UVEG	Speaker	Conference	PSCO23	18-20/09/23	20/09/2023	Oxford	UK
OXPV	Participant	Conference	Industrialization of Perovskite Thin Film Photovoltaic Technology	21/09/23	21/09/2023	Oxford	UK
EURAC	Oral	Conference	EUPVSEC23	18-22/09/23	22/09/2023	Lisbon	Portugal
KIT	Oral	Conference	EUPVSEC23	18-22/09/23	22/09/2023	Lisbon	Portugal
KIT	Oral	Conference	EUPVSEC23	18-22/09/23	22/09/2023	Lisbon	Portugal
FHNW	Oral	Conference	2. Perowskit Workshop Baden-Württemberg	04/10/2023	04/10/2023	Stuttgart	Germany
KIT	Organizer	Conference	2. Perowskit Workshop Baden-Württemberg	04/10/2023	04/10/2023	Stuttgart	Germany
RUG	Speaker/participant	Conference	DEPERO	3-5/10/23	05/10/2023	online	online
UVEG	Speaker	Conference	MATSUS23 Fall	16-19/10/23	19/10/2023	Torremolinos	Spain
KIT	Oral	Conference	PVSEC-34	06/11-10/11/2023	08/11/2023	Shenzhen	China
EURAC	Participant/ Speaker	Workshop	SAIPho23 Workshop - Sustainability Assessment of Innovative Photovoltaics	13-14/11/2023	14/11/2023	Siena	ITA
EURAC	Oral	Workhop	SAIPho23 - Sustainability Assessment of Innovative PHOtovoltaics 2023 Workshop	13-15/11/2023	15/11/2023	Siena	Italy
UOXF	Poster	Conference	IPEROP24	22-23/1/2024	23/01/2024	Tokyo	Japan
RUG	Poster	Conference	NWO Physics 2024	23/01/2024 - 24/01/2024	24/01/2024	Veldhoven	The Netherlands
RUG	Invited speaker	workshop	Seminar	18/3/2024	18/03/2024	Delft	Netherlands

Figure 5 – Extract of NEXUS Communication Inputs on Events

9.3. Annex 3: Project Templates

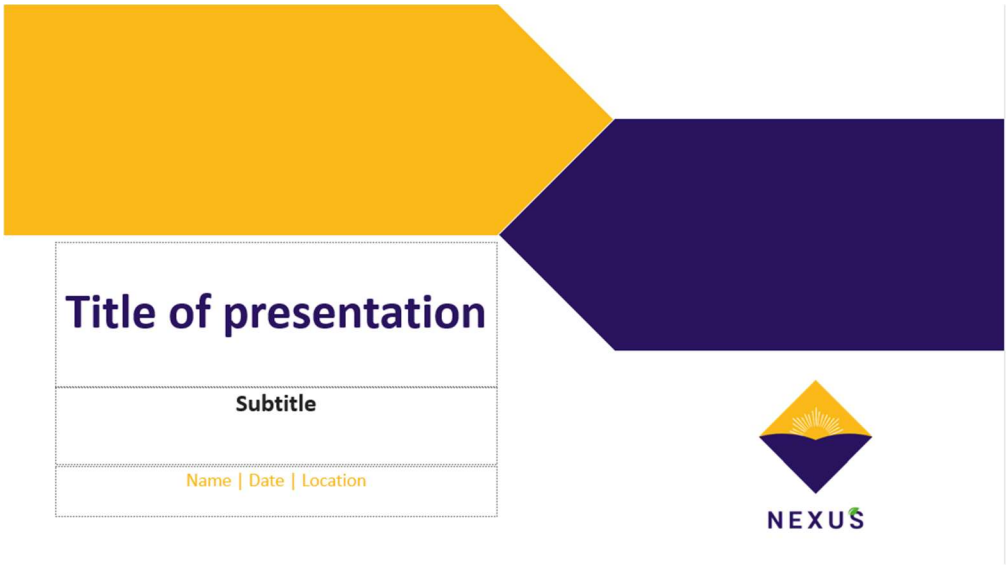

Figure 6 - NEXUS's PowerPoint Template

Figure 7 - NEXUS's Word Template

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9.4. Annex 4: Social Media samples

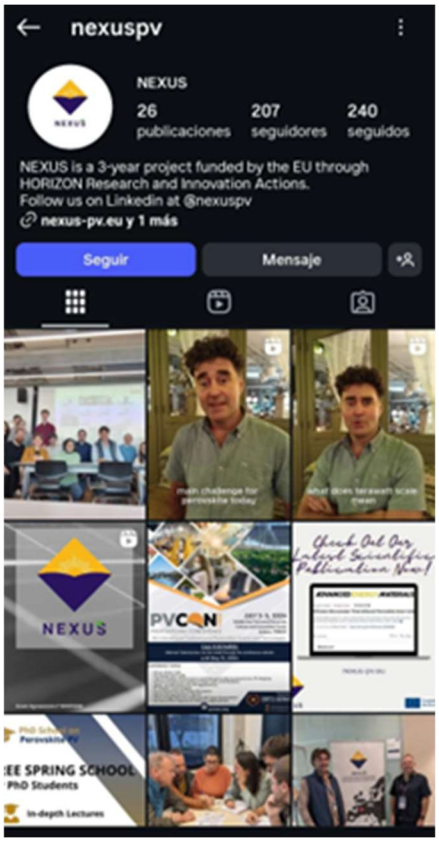

Figure 8 - Screenshot from NEXUS's Instagram page

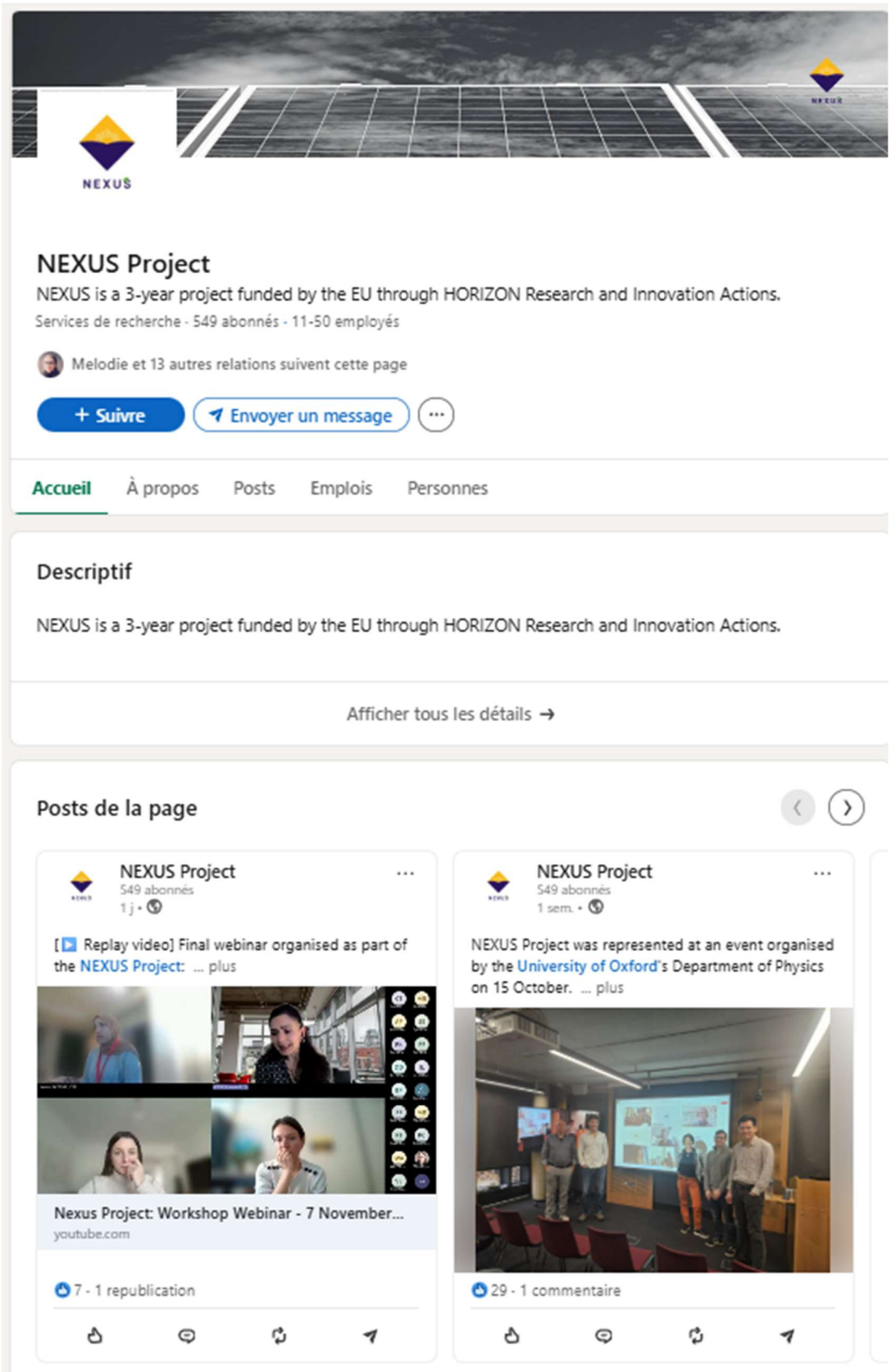

Figure 9 - Screenshot from NEXUS's LinkedIn page

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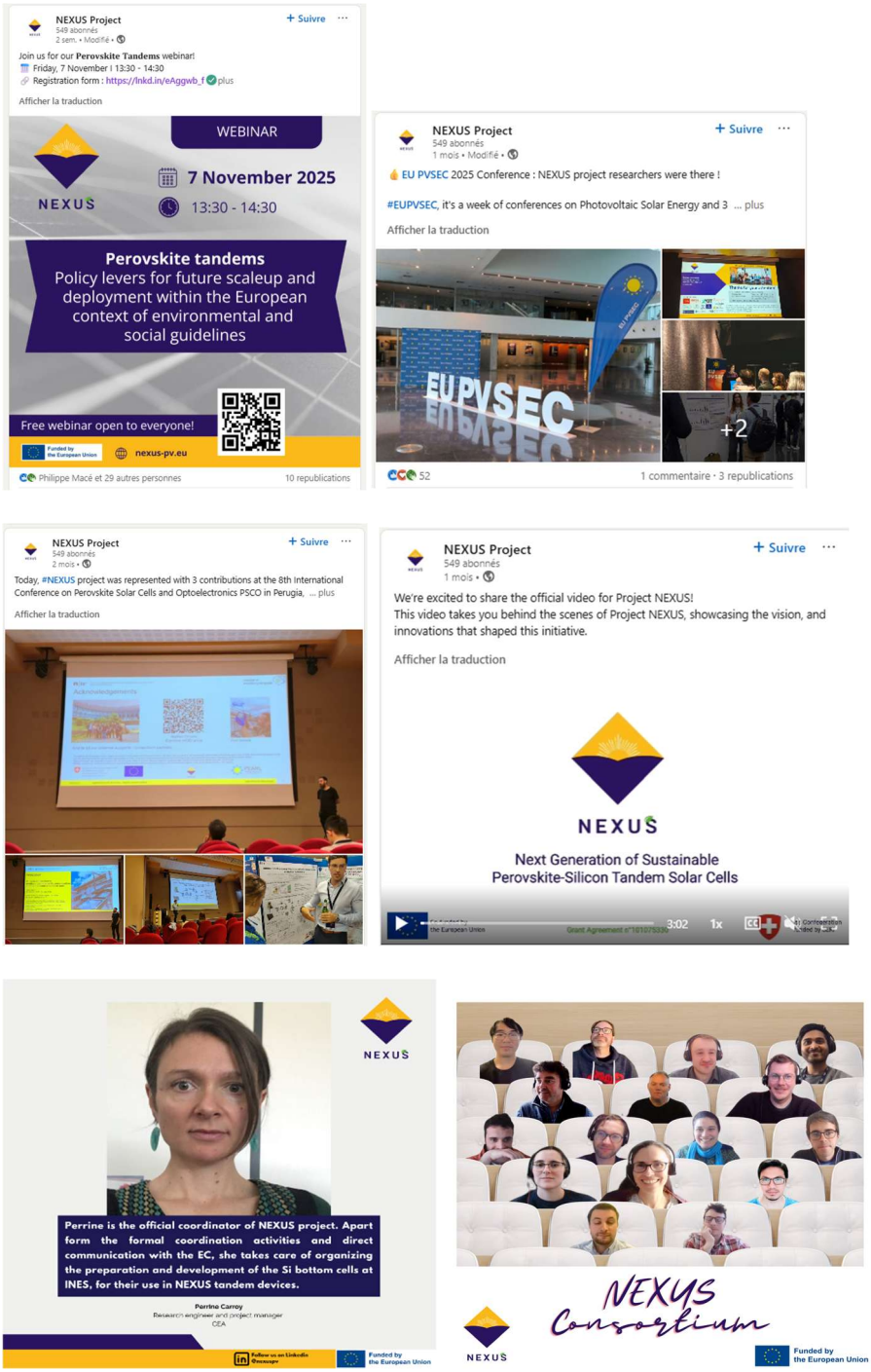

Figure 10 – Examples of LinkedIn posts

9.5. Annex 5: Project Website

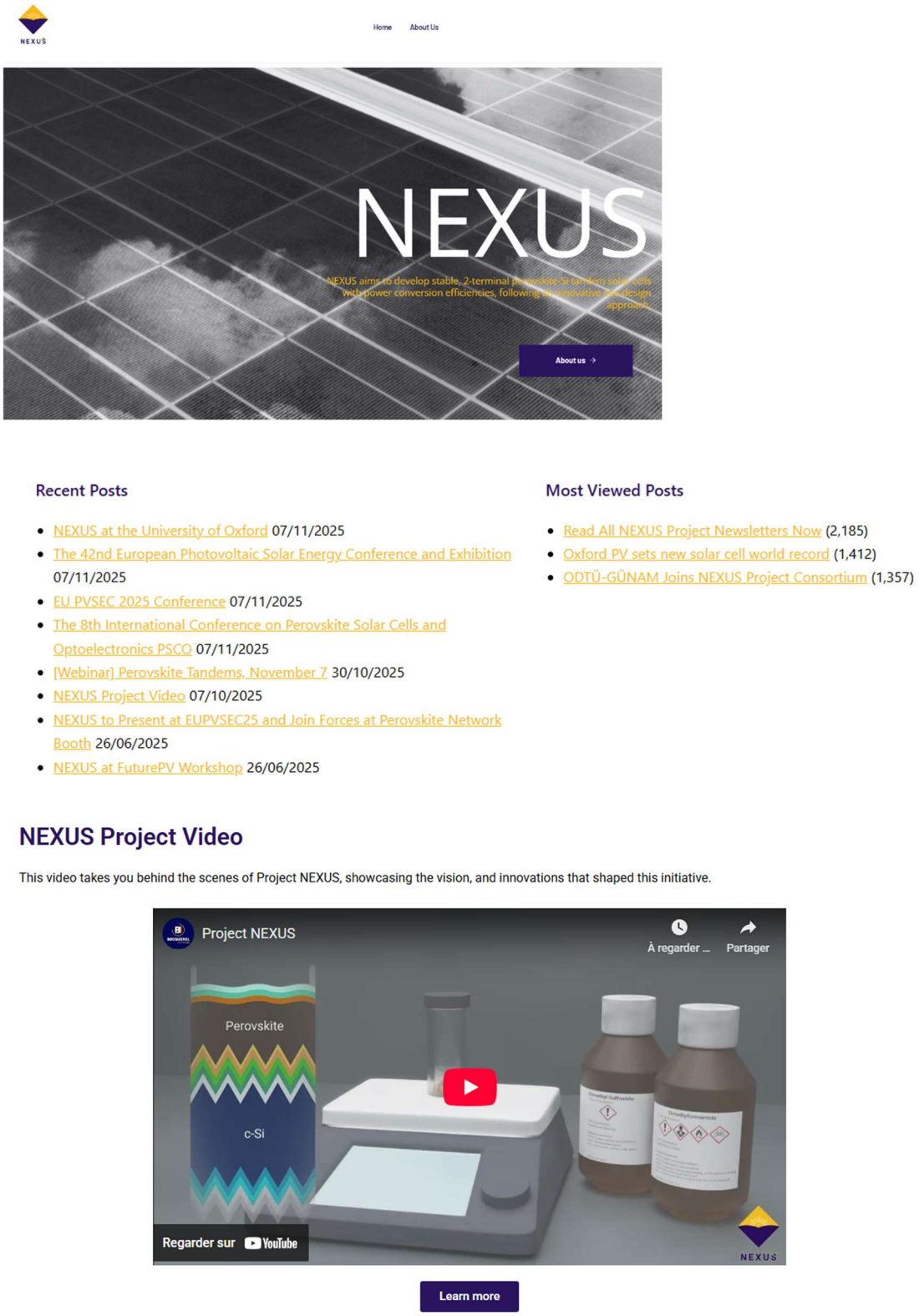

Figure 11 - Screenshot from NEXUS's Project Website

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9.6. Annex 6: NEXUS Communication paper

info@nexus-pv.eu
nexus-pv.eu
@NexusPV

NEXUS

PRESS RELEASE

FEBRUARY 2023

Currently, the EU is heavily dependent on imports of critical raw materials, especially in strategic sectors, such as renewable energy: there is an urgent need to create sustainable and greener value chains in the EU. November 2022 marked the beginning of the NEXUS project, funded by the European Commission through HORIZON EUROPE Research and Innovation Actions. The project focuses on providing a more secure, clean , and affordable energy supply with the help of high-efficiency perovskite-Silicon tandem photovoltaic modules.

NEXUS's aim is to develop stable, 2-terminal perovskite-Si tandem solar cells with power conversion efficiencies above 33% (and modules > 30%) whilst following an innovative eco-design approach: employing solvent-free perovskite deposition, abundant and optimized use of materials, circularity, recyclability, improved and simple manufacturing processes, to create a viable economic pathway for the European commercialization of this sustainable technology.
Single junction solar cells are reaching their plateau efficiency whilst the need for solar to decarbonise energy consumption, and space to install solar, to meet climate protection and mitigation laws is growing. At the same time, new solar technologies need to demonstrate they can be made with abundant and sustainable raw materials within the circular economy to meet environmental and sustainability goals.

The core of NEXUS is meeting these challenges with a competitive European PV product, by bringing together research and industry to develop new perovskite-Si tandem cells and demonstrate the scalability into industry of these cells with proof-of-concept equipment. Bringing together 12 partners from 9 countries in Europe, the project combines the expertise of top-level research and technology organisations with industry partners capable of looking at the whole value chain from innovation to market deployment and policies. Building on demonstrated expertise, the project is a step forwards towards a clean, secure and affordable EU energy supply.

The NEXUS consortium is coordinated by Commissariat à l'Energie Atomique et aux Energies Alternatives (France). It brings together a well-balanced combination of top-EU research institutions such as the University of Oxford (UK), Eurac Research (Italy), the Karlsruhe Institute of Technology (KIT) (Germany), the University of Groningen (Netherlands), the University of Valencia (Spain), and the University of Applied Sciences and Arts Northwestern Switzerland FHNW (Switzerland); with well-engaged industrial partners such as Oxford PV (UK), Enel Green Power and 3SUN (Italy), SALD BV (Netherlands), Becquerel Institute (Belgium) and NorSun (Norway).

Project Partners

Funded by the European Union

This project has received funding from the European Union's Horizon Europe, Widening Participation and Spreading Excellence action, under grant agreement n°101075330.

Figure 12 - NEXUS Press Release

Figure 13: NEXUS Brochure

Available on Youtube : https://www.youtube.com/watch?v=vgc1Vd9iUA8

Figure 15: Video NEXUS

Funded by the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101075330

9.7. Annex 7: Table of Social Media Posts (LinkedIn)

Linkedin	Likes	Shares	Impressions	Date
Nexus 1st post	59	3	2882	18/11/2022
Nexus aim	11	0	274	16/01/2023
Nexus goals	12	2	394	27/01/2023
Nexus meeting	15	0	331	24/02/2023
FacesofNexus	15	1	262	07/03/2023
Re-post CEA and Enel	9	0	323	20/03/2023
FacesofNexus	8	0	173	21/03/2023
FacesofNexus	6	0	111	30/03/2023
Nexus Website	12	0	128	06/04/2023
FacesofNexus	35	3	395	13/04/2023
FacesofNexus	7	0	151	27/04/2023
FacesofNexus	14	0	142	09/05/2023
Re-post Oxford PV	9	0	118	26/05/2023
TandemPV workshop	10	2	132	07/06/2023
TandemPV workshop	17	0	253	15/06/2023
FacesofNexus	10	0	178	26/06/2023
NEXUS Newsletter	20	1	755	05/07/2023
FacesofNexus	17	0	301	19/07/2023
HOPV23 - University of Groningen	8	0	142	25/07/2023
FacesofNexus	12	0	144	10/08/2023
EUPVSEC - Eurac	13	0	279	07/09/2023
EUPVSEC - Eurac	11	0	163	18/09/2023
PSCO	27	0	416	21/09/2023
FHNW Open position	39	10	3 337	12/10/2023
12MM Valencia	62	2	1 659	15/11/2023
New partner:Odtu Gunam	78	2	455	20/11/2023
all papers post	14	1	308	04/12/2023
University challenge	34	0	1 226	11/12/2023
Newsletter	21	4	562	21/12/2023
New Year Post	20	0	647	29/12/2023
PhD Perovskite School	14	1	458	19/01/2024
PhD Perovskite School - Paul	99	5	0	05/02/2024
PhD Perovskite School - Markus	21	3	0	07/02/2024
BI repost - recruitment	9	0	230	07/02/2024
FHNW repost Anika	11	1	224	19/02/2024
Scientific Art	19	0	471	02/04/2024
18M Chambery	31	4	1 172	09/04/2024
PV Con	14	3	805	06/05/2024
EUPVSEC	13	2	270	23/05/2024
PVCON perrine	40	4		03/06/2024
Cristina repost	42	1		
PVCON	33	4	1 072	25/06/2024

Linkedin	Likes	Shares	Impressions	Date
TandemPV workshop	38	1	738	27/06/2024
PVCON	57	4	1 828	04/07/2024
Eco design workshop	5		165	
UVEG	29		1 665	01/08/2024
EUPVSEC	24	4	1 093	02/09/2024
Eco design workshop	29	9		
PSCO	13		273	17/09/2024
EUPVSEC	23		345	23/09/2024
PSCO	20	1	600	23/09/2024
Women in pv	74	2		24/09/2024
EUPVSEC	18	1	345	25/09/2024
EUPVSEC repost	15	2		25/09/2024
Eco design workshop	39	6		01/10/2024
become pv	9		112	14/10/2024
become pv	12		199	14/11/2024
become pv repost	91	14		03/12/2024
become pv paul	24		443	06/12/2024
NYE	14		357	31/12/2024
Future PV WS	40	18		05/03/2025
Henry 1 video	124	2	2608	17/03/2025
FHNW GA	11	1		19/03/2025
Henry 2 video	44		778	24/03/2025
Future PV WS	12		240	27/03/2025
GA 30M	36	4	1385	01/04/2025
Henry 3 video	21		538	03/04/2025
Scientific Art	13		486	19/05/2025
Henry 4 video	24		713	21/05/2025
Future PV recap	146	31		21/05/2025
Future PV recap	66	3		26/05/2025
EU solar Day	11	2		25/06/2025
EUPVSEC 25	10		158	26/06/2025
Nexus video	28	4	744	28/08/2025
PSCO	29		1250	16/09/2025
PVSEC	9		306	16/09/2025
PVSEC2	52	3	2231	26/09/2025
Milestone Report	11		453	03/10/2025
Project video	23		1053	10/10/2025
PSK tandem webinar	30	4	1165	03/11/2025
UoxWS	28		719	06/11/2025

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9.8. Annex 8: Table of scientific publications

Num	Open Access?	Type of publication	Title	DOI	Authors	Partner(s)	Year
1	No (only conferenc e users)	Conference proceeding	Comparative and Prospective LCA of Perovskite-Silicon Tandem PV Modules	10.4229/EUPVSEC2 023/5DO.15.1	Cristina Polacchi, Atse Louwen, David Moser, Cristina Cornaro	EURAC	2023
2	Yes - Gold	article in journal	Evaporated Self-Assembled Monolayer Hole Transport Layers: Lossless Interfaces in p-i-n Perovskite Solar Cells	10.1002/aenm.202 203982	A. Farag, T. Feeney, I. M. Hossain, F. Schackmar, P. Fassl, K. Küster, R. Bäuerle, M. A. Ruiz-Preciado, M. Hentschel, D. B. Ritzer, A. Diercks, Y. Li, B. A. Nejand, F. Laufer, R. Singh, U. Starke and U. W. Paetzold	KIT	2023
3	Yes - Gold	article in journal	Pure Iodide Multication Wide Bandgap Perovskites by Vacuum Deposition	10.1021/acsmateri alslett.3c01094	I. Susic, L. Gil-Escrig, K. P. S. Zanoni, C. Roldán-Carmona, M. Sessolo, H. J. Bolink	UVEG	2023
4	Yes - Green	article in journal	Buried interface molecular hybrid for inverted perovskite solar cells	10.1038/s41586-024-07723-3	Sanwan Liu, Jingbai Li, Wenshan Xiao, Rui Chen, Zhenxing Sun, Yong Zhang, Xia Lei, Shuaifeng Hu, Manuel Kober-Czerny, Jianan Wang, Fumeng Ren, Qisen Zhou, Hasan Raza, You Gao, Yitong Ji, Sibo Li, Huan Li, Longbin Qiu, Wenchao Huang, Yan Zhao, Baomin Xu, Zonghao Liu*, Henry J. Snaith, Nam-Gyu Park* & Wei Chen*	UOXF	2024
5	Yes - Gold	article in journal	Efficient Micrometer Thick Bifacial Perovskite Solar Cells	10.1002/aenm.202 400058	Nathan Rodkey, Kassio P. S. Zanoni, Manuel Piot, Chris Dreessen, Roos Grote, Perrine Carroy, Javier Enrique Sebastian Alonso, Abhyuday Paliwal, Delfina Muñoz, Henk J. Bolink	UVEG, CEA	2024
6	Yes - Gold	article in journal	Energy Yield Modeling of Perovskite–Silicon Tandem Photovoltaics: Degradation and Total Lifetime Energy Yield	10.1002/ente.2024 00998	S. Orooji and U. W. Paetzold	KIT	2024

7	Yes - Green	article in journal	Halide homogenization for low energy loss in 2-eV-bandgap perovskites and increased efficiency in all-perovskite triple-junction solar cells	10.1038/s41560-023-01406-5	Junke Wang, Lewei Zeng, Dong Zhang, Aidan Maxwell, Hao Chen, Kunal Datta, Alessandro Caiazzo, Willemijn H. M. Remmerswaal, Nick R. M. Schipper, Zehua Chen, Kevin Ho, Akash Dasgupta, Gunnar Kusch, Riccardo Ollearo, Laura Bellini, Shuaifeng Hu, Zaiwei Wang, Chongwen Li, Sam Teale, Luke Grater, Bin Chen, Martijn M. Wienk, Rachel A. Oliver, Henry J. Snaith, René A. J. Janssen* & Edward H. Sargent*	UOXF	2024
8	Yes - Gold	article in journal	Intensity Dependent Photoluminescence Imaging for In-Line Quality Control of Perovskite Thin Film Processing	10.1002/admt.202301279	B. Hacene, F. Laufer, S. Ternes, A. Farag, R. Pappenberger, P. Fassl, S. Moghadamzadeh, B. A. Nejand, T. Feeney, I. Howard, and U. W. Paetzold	KIT	2024
9	Yes - Gold	article in journal	Narrow Bandgap Metal Halide Perovskites for All-Perovskite Tandem Photovoltaics	10.1021/acs.chemrev.3c00667	Shuaifeng Hu, Jarla Thiesbrummel, Jorge Pascual, Martin Stolterfoht, Atsushi Wakamiya*, and Henry J. Snaith*	UOXF	2024
10	Yes - Green	Conference proceeding	SIMULATION OF TOPCON/PERC HYBRID BOTTOM STRUCTURE FOR PEROVSKITE/SILICON TANDEM SOLAR CELLS USING QUOKKA3	10.4229/EUPVSEC2024/1CV.2.26	Eni Muka, Raşit Turan, Hisham Nasser	GUNAM	2024
11	Yes - Gold	article in journal	Understanding and exploiting interfacial interactions between phosphonic acid functional groups and co-evaporated perovskites	10.1016/j.matt.2024.02.004	T. Feeney, J. Petry, A. Torche, D. Hauschild, B. Hacene, C. Wansorra, A. Diercks, M. Ernst, L. Weinhardt, C. Heske, G. Gryn'ova, U. W. Paetzold, and P. Fassl	KIT	2024
12	Yes - Gold	article in journal	Vapor phase deposition of perovskite photovoltaics: short track to commercialization?	10.1039/D3EE03273F	T. Abzieher, D. T. Moore, M. Roß, S. Albrecht, J. Silvia, H. Tan, Q. Jeangros, C. Ballif, M. T. Hoerantner, B.-S. Kim, H. J. Bolink, P. Pistor, J. C. Goldschmidt, Y.-H. Chiang, S. D. Stranks, J. Borchert, M. D. McGehee, M. Morales-Masis, J. B. Patel, A. Bruno, U. W. Paetzold	KIT, UVEG	2024

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13		article in journal	pySIMsalabim: a Python package to extend drift-diffusion modelling with SIMsalabim	Submitted/ under review	Sander Heester, Fransien Elhorst, Patricia Martin Fernandez, Vincent M. Le Corre, L. Jan Anton Koster	RUG	2025
14		article in journal	Realistic Assessment of the probability and impact of possible lead leaching from perovskite solar cells.	https://pubs.rsc.org/en/content/articlepdf/2025/EL/D5EL00191A?page=search	Sidler, A., Schmidt, F., Vallat, B., Habisreutinger, S.N., Suhonen, R., Snaith, H.J., Schäffer, A., Lenz, M.	FHNW; UOXF; OXPV	2025
15		article in journal	Crystal-facet-directed fully evaporated perovskite solar cells	submitted	Xinyi Shen, Wing Tung Hui, Shuaifeng Hu, Fengning Yang, Junke Wang, Jin Yao, Atse Louwen, Lirong Rong, David P. McMeekin, Kilian Lohmann, Qimu Yuan, Matthew C. Naylor, Manuel Kober-Czerny, Seongrok Seo, Philippe Holzhey, Karl-Augustin Zaininger, Perrine Carroy, Vincent Barth, Fion Sze Yan Yeung, Nakita K. Noel, Micheal Johnston, Yen-Hung Lin, Henry J. Snaith	UOXF	2025
16	Yes - Gold	article in journal	Drift-diffusion modelling of perovskite solar cells: A systematic approach	10.1063/5.0268013	Sander Heester, Federico Ventosinos, Lidon Gil-Escrig, Henk J. Bolink, L. Jan Anton Koster	RUG, UVEG	2025
17	Yes - Gold	article in journal	Effects of Bi and Sb ion incorporation on the optoelectronic properties of mixed lead–tin perovskites	DOI 10.1039/D4TC02162B	F. M. Rombach, L. Gregori, A. Sidler, J. Whitworth, S. Zeiske, H. Jin, E. Y.-H. Hung, S. Motti, P. Caprioglio, A. Armin, M. Lenz, D. Meggiolaro, F. De Angelis, H. J. Snaith	UOXF, FHNW	2025
18	Yes - Gold	article in journal	High-rate FA-based co-evaporated perovskites: Understanding rate limitations and practical considerations to overcome their impact	10.1002/adfm.202517873	Thomas Feeney, Aleksandra Miaskiewicz, Julian Petry, Felix Laufer, Roja Singh, Stefanie Severin, Viktor Škorjanc, Alexander Diercks, Suresh Maniyarasu, Lars Korte, Steve Albrecht, Ulrich W. Paetzold, Marcel Roß, and Paul Fassl	KIT	2025

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19	Yes - Gold	article in journal	Indium and silver recovery from perovskite thin film solar cell waste by means of nanofiltration	10.1021/acssusresmgt.5c00109	Meret Amrein, Karina Rohrer, Dirk Hengevoss, Heon Jin, Henry J. Snaith, Michael Thomann, Frank Nüesch, Markus Lenz	FHNW, UOXF	2025
20	Yes - Gold	article in journal	Industrialization of perovskite solar cell fabrication: strategies to achieve high-throughput vapor deposition processes	10.1039/D5EL00069F	J. Petry, V. Škorjanc, A. Diercks, T. Feeney, A. Morsa, S. R. Kimmig, J. Baumann, F. Löffler, S. Auschill, J. Damm, D. Baumann, F. Laufer, J. Kurpiers, M. Müller, L. Korte, S. Albrecht, M. Roß, U. W. Paetzold, and P. Fassl	KIT	2025
21	Yes - Gold	article in journal	Mercapto-functionalized scaffold improves perovskite buried interfaces for tandem photovoltaics	10.1038/s41467-025-59891-z	Jianan Wang, Shuaifeng Hu, He Zhu, Sanwan Liu, Zhongyong Zhang, Rui Chen, Junke Wang, Chenyang Shi, Jiaqi Zhang, Wentao Liu, Xia Lei, Bin Liu, Yongyan Pan, Fumeng Ren, Hasan Raza, Qisen Zhou, Sibo Li, Longbin Qiu, Guanhaojie Zheng, Xiaojun Qin, Zhiguo Zhao, Shuang Yang, Neng Li, Jingbai Li, Atsushi Wakamiya, Zonghao Liu, Henry J. Snaith & Wei Chen	UOXF	2025
22	Yes - Gold	article in journal	Molecular Recombination Junction for Vacuum-Deposited Perovskite/Silicon Two-Terminal Tandem Solar Cells	10.1021/acsenergylett.5c00155	S. Chozas-Barrientos; A. Paliwal; F. Ventosinos; C. Roldán-Carmona; L. Gil-Escrig; V. Held; P. Carroy; D. Muñoz; H. J. Bolink	UVEG, CEA	2025
23	Yes - Gold	article in journal	Particle Size Matters – Impact of Particle Size and Crucible Geometry on Sublimation Behavior of Formamidinium Iodide	10.1002/admt.202501549	Alexander Diercks, Julian Petry, Thomas Feeney, Richard Thelen, Paul Fassl, and Ulrich W. Paetzold	KIT	2025
24	Yes - Gold	article in journal	Performance and stability analysis of all-perovskite tandem photovoltaics in light-driven electrochemical water splitting	10.1038/s41467-024-55654-4	Junke Wang, Bruno Branco, Willemijn H. M. Remmerswaal, Shuaifeng Hu, Nick R. M. Schipper, Valerio Zardetto, Laura Bellini, Nicolas Daub, Martijn M. Wienk, Atsushi Wakamiya, Henry J. Snaith & René A. J. Janssen*	UOXF	2025

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25	Yes - Green	article in journal	Present status of and future opportunities for all-perovskite tandem photovoltaics	10.1038/s41560-025-01782-0	Jin Wen, Hang Hu, Chao Chen, David P. McMeekin, Ke Xiao, Renxing Lin, Ye Liu, Henry J. Snaith, Jiang Tang, Ulrich W. Paetzold & Hairen Tan	KIT/UOXF	2025
26	Yes - Green	article in journal	Resilience pathways for halide perovskite photovoltaics under temperature cycling	10.1038/s41578-025-00781-7	Luyan Wu, Shuaifeng Hu, Feng Yang, Guixiang Li*, Junke Wang, Weiwei Zuo, José J. Jerónimo-Rendon, Silver-Hamill Turren-Cruz, Michele Saba, Michael Saliba, Mohammad Khaja Nazeeruddin, Jorge Pascual*, Meng Li* & Antonio Abate*	UOXF	2025
27	Yes - Gold	article in journal	Roadmap on metal-halide perovskite semiconductors and devices (On the Stability of Perovskite-Containing Multijunction Photovoltaics)	10.1016/j.mtelec.2025.100138	Shuaifeng Hu,*, Junke Wang, Seongrok Seo, and Henry J. Snaith	UOXF	2025
28	Yes - Green	article in journal	Sequential Evaporation of Inverted FAPbI 3 Perovskite Solar Cells – Impact of Substrate on Crystallization and Film Formation	10.1021/acsenergylett.4c03315	A. Diercks, J. Petry, T. Feeney, R. Singh, T. Zhao, H. Hu, Y. Li, U. W. Paetzold, and P. Fassl	KIT	2025
29	Yes - Gold	article in journal	Steering perovskite precursor solutions for multijunction photovoltaics	10.1038/s41586-024-08546-y	Shuaifeng Hu*, Junke Wang, Pei Zhao, Jorge Pascual, Jianan Wang, Florine Rombach, Akash Dasgupta, Wentao Liu, Minh Anh Truong, He Zhu, Manuel Kober-Czerny, James N. Drysdale, Joel A. Smith, Zhongcheng Yuan, Guus J. W. Aalbers, Nick R. M. Schipper, Jin Yao, Kyohei Nakano, Silver-Hamill Turren-Cruz, André Dallmann, M. Greyson Christoforo, James M. Ball, David P. McMeekin, Karl-Augustin Zaininger, Zonghao Liu, Nakita K. Noel, Keisuke Tajima, Wei Chen, Masahiro Ehara, René A. J. Janssen, Atsushi Wakamiya* & Henry J. Snaith*	UOXF	2025

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30	Yes - Gold	article in journal	Vacuum Deposition of Triple-Halide Wide-Bandgap Perovskites Enabled by Sublimation of Mixed Organic-Halide Pellets	10.1021/acsmaterialslett.5c01161	Manuel Piot, Lidón Gil-Escrig, Federico Ventosinos, Cristina Roldán-Carmona, Anna Robinson, Javier A. Schmidt, Michele Sessolo*, Henk J. Bolink*	UVEG	2025
31	Yes - Gold	article in journal	Versatile Two-Step Process for Perovskite-Based Tandem Photovoltaics	10.1002/solr.202500193	R. Pappenberger, R. Singh, A. Diercks, T. Zhao, R. Pesch, J. Petry, D. Baumann, X. Liu and U. W. Paetzold, Sol. RRL, 2025, 9, .	KIT	2025
32	Yes - Gold	article in journal	Stability assessment of layer-by-layer nanofiltration membranes for element recovery from highly acidic media	10.1016/j.resconrec.2025.108630	Meret Amrein Karina Rohrer, Dirk Hengevoss, Tobias Müller, Bastien Vallat, Dalila Rocco, Michael Thomann, Frank Nüesch, Sebastian Hedwig Markus Lenz	FHNW	2026
33		article in journal	Closed-loop manufacturing for sustainable perovskite photovoltaics		Zonglong Zhu, Bo Li, Danpeng Gao, Chunlei Zhang, Zexin Yu, Martin Stolterfoht, Yen-Hung Lin, Markus Lenz, and Henry Snaith	UOXF, FHNW	2026

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9.9. Annex 9: List of co-organised/hosted events

Date	Title	Type	Location	Target	Estimate size	Role
Jul-24	PVCon2024	Conference	Turkiye	Scientific community / Industry	350+	Organisation (GUNAM)
Jul-24	Perovskite based single and multijunction PV Special Session (at PVCon24)	Workshop	Turkiye	Scientific community / Industry	?	Organisation/panel
Sept-24	PSCO24	Conference	Italy	Scientific Community	400	Co-organization and sponsorship
Sept-24	Special Session: Management of lead use in perovskite photovoltaics (at PSCO24)	Conference	Italy	Scientific Community	?	Co-organization, panel and sponsorship
Nov-24	BECOME PV	Industry workshop	Belgium	Scientific community / Industry	?	Co-organisation and sponsorship
May-25	FuturePV workshop	Scientific Workshop	Republic of Cyprus	Scientific Community	200	Co-organisation and sponsorship
Sept-2025	Women in PV: Inclusive Leadership (at EUPVSEC25)	Workshop	Spain	Scientific Community	50	Co-organisation, panel (CEA, BIF) and sponsorship
Oct-25	What Next? building Nexus innovations to further research	Scientific Workshop	UK	Project partners and potential partners	15	Organisation (OXF)
Nov-25	Perovskite Tandems Webinar	Policy workshop	Virtual	Policy makers / Scientific community	25	Organisation (CEA/BI)

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9.10. Annex 10: List of dissemination events

Participation Nb	Event Nb	Date	Event Name	Type	Location	Target	Estimate size	Partners	Role	Title
1	1	2023-01	NWO Physics 2025	Conference	The Netherlands	Scientific Community	1500	RUG	Oral	Sander Heester, Oral: The Red, The White & The Blue: Identifying the dominant recombination loss mechanism in perovskite solar cells
2	2	2023-03	MATSUS23 Spring	Conference	Spain	Scientific community	300	OXPV	Speaker /participant	
3	3	2023-04	Baden-Württemberg Perovskite PV Workshop	Conference	Germany	Scientific Community and Politics	80	KIT	Organizer and Oral	https://www.zsw-bw.de/perowskit.html
4	4	2023-04	Spring MRS23	Conference	USA	Scientific community	6000	OXPV	Speaker /participant	
5	5	2023-06	Spring EMRS 2023	Conference	France	Scientific community	>500	KIT	Oral	Evaporated Self-Assembled Monolayer Hole Transport Layers in p-i-n Perovskite Solar Cells
6	6	2023-06	TandemPV	Workshop	France	Scientific community	280	CEA	Organizer/speaker/ participant	NEXUS poster presentation
7		2023-06	TandemPV	Workshop	France	Scientific community	280	KIT	Poster	Poster A. Diercks
8		2023-06	TandemPV	Workshop	France	Scientific community	280	UVEG	Oral	S. Chozas oral presentation

9		2023-06	TandemPV	Workshop	France	Scientific community	280	UVEG	Poster	Poster M. Piot
10	7	2023-06	Seconda Conferenza annuale 2024 - Rete Italiana del Fotovoltaico	Conference	IT	Scientific community		EURAC	Poster	Poster authors: Polacchi C., Louwen A., Moser D. - Title: Environmental impact of PV supply chain: state of art and evolution
11	8	2023-06	LMPV 2023	Conference	The Netherlands	Scientific community	75	RUG	Poster	Sander Heester, Poster: SIMsalabim: Open-source drift-diffusion software for novel solar cells
12	9	2023-06	2023 MRS Fall meeting	Conference	USA	Scientific community	6000	UVEG	Invited speaker	Vapor phase deposited perovskite, high and low vacuum methods for single junction and tandem solar cells
13	10	2023-06	International Conference on Materials for Advanced Technologies (ICMAT)	Conference	Singapore	Scientific Community	2500	UVEG	Invited speaker	Single Junction and Tandem Solar Cells Employing Vacuum Deposited Perovskites
14	11	2023-08	RawMat2023	Conference	Greece	Scientific Community		FHNW	Speaker	oral: Amrein M., Thomann M., Nüesch F., Lenz, M. (2023). Indium recovery from solar cell waste by means of layer-by-layer membrane filtration.
15	12	2023-09	Rendez Vous Fokus Energie	Outreach	Switzerland	General Public		FHNW	Speaker /participant	Anika Sidler; Discussion of PV recycling with pupils and interested public
16	13	2023-09	PSCO23	0	UK	Scientific community	400	FHNW	Speaker	Poster pitch: Amrein M., Schmidt F., Hedwig S., Kober-Czerny M., Paracchino A., Holappa V., Suhonen R., Schäffer A., Constable E.C., Snaith H.J., Lenz M. (2023). Organic solvent free PbI2 recycling from perovskite solar cells using hot water.
17		2023-09	PSCO23	Conference	UK	Scientific community	400	KIT	Poster	Julian Petry, Poster: How Substrate Surface Passivation Dictates Preferential Growth of

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										Thermally Co-Evaporated Perovskite Thin Films
18		2023-09	PSCO23	Conference	UK	Scientific community	400	OXPV	Participant	
19		2023-09	PSCO23	Conference	UK	Scientific community	400	UOXF	Organizer	
20		2023-09	PSCO23	Conference	UK	Scientific Community	275+	UVEG	Invited speaker	Vacuum deposited semi transparent perovskite solar cells
21		2023-09	PSCO23	Conference	UK	Scientific community		UVEG	Speaker	
22	14	2023-09	Industrialization of Perovskite Thin Film Photovoltaic Technology	Conference	UK	Industry	250	OXPV	Participant	
23	15	2023-09	EUPVSEC23	Conference	Portugal	Scientific community	1200+	EURAC	Oral	Cristina Polacchi oral presentation: Environmental Profile and Life Cycle Analysis.
24		2023-09	EUPVSEC23	Conference	Portugal	Scientific community	1200+	KIT	Oral	Paul Fassl, oral: Thermally Evaporated Self-Assembled Monolayers as Lossless Interfaces in P-I-N Perovskite Solar Cells
25		2023-09	EUPVSEC23	Conference	Portugal	Scientific community	1200+	KIT	Oral	Alexander Diercks, oral: All-Vacuum Processed Methylammonium-Free Perovskite Solar Cells in P-I-N Architecture via a Sequential Layer Deposition Process
26	16	2023-10	2. Perowskit Workshop Baden-Württemberg	Conference	Germany	Scientific community	100	FHNW	Oral	Lenz Oral: Environmental fate of perovskite derived Pb: principles, pitfalls, progress
27		2023-10	2. Perowskit Workshop Baden-Württemberg	Conference	Germany	Scientific community		KIT	Organizer	https://www.zsw-bw.de/fileadmin/user_upload/FlyerPerowskitWorkshop2023.pdf

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28	17	2023-10	DEPERO	Conference	online	Scientific community	50	RUG	Speaker /participant	
29	18	2023-10	MATSUS23 Fall	Conference	Spain	Scientific community	150	UVEG	Speaker	
30	19	2023-11	PVSEC-34	Conference	China	Scientific community	5000	KIT	Oral	Understanding and exploiting interfacial interactions between phosphonic acid functional groups and co-evaporated perovskites
31	20	2023-11	SAIPho23 Workshop - Sustainability Assessment of Innovative Photovoltaics	Workshop	ITA	Scientific community	50+	EURAC	Participant/ Speaker	Quick overview of 3 case studies of LCA of emerging technolgoies (including the one for Nexus)
32	21	2023-11	SAIPho23 - Sustainability Assessment of Innovative PHOtovoltaics 2023 Workshop	Workhop	Italy	Scientific Community	about 100?	EURAC	Oral	Cristina Polacchi presented an overview of different low TRL PV LCA case studies, included Nexus.
33	22	2024-01	IPEROP24	Conference	Japan	Scientific Community		UOXF	Poster	Sam Teale: POSTER Examining the influence of temperature coefficients of perovskite tandem photovoltaics under real-world conditions
34	23	2024-01	NWO Physics 2024	Conference	The Netherlands	Scientific community	1500	RUG	Poster	Sander Heester, Poster: Explaining the drop in open-circuit voltage of FACsPbIBrCl perovskite with increased chloride content using drift-diffusion simulations
35	24	2024-03	Seminar	workshop	Netherlands	scientific community	30	RUG	Invited speaker	Perovskite solar cells: what can we learn from numerical modeling?
36	25	2024-04	PhD school on Perovskites,	Conference	Germany	Scientific Community	100	FHNW	Invited speaker	M Lenz invited talk: Perovskite Derived Pb: Principles and Pitfalls of Environmental Fate Assessment

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37	26	2024-04	Materials Research Society	Conference	USA	Scientific and Industrial community		UOXF	Pleanary Speaker	
38	27	2024-05	HOPV 2024	Conference	Spain	Scientific community		KIT	Oral	Ulrich Paetzold, Oral: Will Vapor Phase Deposition of Perovskite Photovoltaics Accelerate Commercialization?
39		2024-05	HOPV 2024	Conference	Spain	Scientific community		KIT	Oral	Alexander Diercks, Oral: Understanding Substrate-Dependent Growth of Sequentially Evaporated Perovskite Thin Films
40		2024-05	HOPV 2024	Conference	Spain	Scientific community		RUG	Oral	Sander Heester, Oral: Explaining the drop in Voc of co-evaporated FACsPbIBrCl perovskites with an increased amount of chloride using drift-diffusion simulations
41	28	2024-06	Tandem PV Workshop	Conference	USA	Scientific community		KIT	Oral	Developing an understanding of interfacial interactions between nPACz self-assembled monolayers and co-evaporated perovskites
42		2024-06	Tandem PV Workshop	Conference	The Netherlands	Scientific community		SALD	Poster	High-rate Spatial Atomic Layer Deposition of AZO as RJ in tandem solar cells
43		2024-06	Tandem PV Workshop	Conference	The Netherlands	Scientific community		KIT	Oral	Vapor Phase Deposition of Perovskite Photovotaics
44	29	2024-07	PVCon2024	Conference	Turkiye	Scientific community / Industry	350+	GUNAM	Oral	Simulation of TOPerc Bottom Structures for Perovskite/Silicon Tandem Solar Cells using QUOKKA3
45		2024-07	PVCon2024	Conference	Turkiye	Scientific community / Industry	350+	GUNAM & SALD	Oral	Development Of Hydrogenated Aluminum-Doped Zinc Oxide Recombination Junction Enabling Superior Passivation Of Bottom Cell With Front TOPCon For Silicon/Perovskite Tandem Devices:

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										Towards Indium-Free Recombination Junction
46		2024-07	PVCon2024	Conference	Turkiye	Scientific community / Industry	350+	CEA	Invited speaker	NEXt generation of sUtainable perovskite Silicon tandem cells: Overview of the results of the first period
47		2024-07	PVCon2024	Conference	Turkiye	Scientific community / Industry	350+	GUNAM	Invited speaker	NEXUS Hybrid PERC/TOPCon Bottom Cell Enabling Ag-Free and In-Free Design for Perovskite-Si Tandem Solar Cells
48	30	2024-07	LMPV 2024	Conference	The Netherlands	Scientific community	75	RUG	Poster	Sander Heester, Poster: The Red, The White & The Blue: Identifying the dominant recombination loss mechanism in perovskite solar cells
49	31	2024-07	Next Generation PV Materials 2024	Conference	The Netherlands	Scientific community	100	RUG	Oral	Sander Heester, Oral: The Red, The White & The Blue: Identifying the dominant recombination loss mechanism in perovskite solar cells
50	32	2024-08	Solar Program 2024	workshop	Netherlands	Scientific community / industry	10	RUG	Invited speaker	Perovskite solar cells: what can we learn from numerical modelling?
51	33	2024-08	32ndIMRC-2024	Conference	Mexico	Scientific Community	2000	UOXF	Invited speaker	Shuaifeng Hu: ORAL MATERIALS CHEMISTRY FOR METAL HALIDE PEROVSKITE-CONTAINING TANDEM PHOTOVOLTAICS
52	34	2024-09	PSCO24	Conference	Italy	Scientific Community		KIT	Oral	Paul Fassl, Oral: Thermally evaporated perovskites: conceptual advantages and challenges to accelerate absorber deposition
53		2024-09	PSCO24	Conference	Italy	Scientific Community		KIT	Invited speaker	Presenting the NEXUS project

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54		2024-09	PSCO24	Conference	Italy	Scientific community		FHNW	Oral	Oral: Vallat, B.; Sidler, A.; Amrein, M.; Schäffer, A.; Lenz, M. (2014). Assessing lead leaching from perovskite solar cells more realistically. Oral presentation. PSCO2024; 16.-18. September, Perugia, Italy
55		2024-09	PSCO24	Conference	Italy	Scientific Community		FHNW	Oral	Oral: Amrein, M.; Hengevoss, D.; Rocco, D.; Meier, U.; Thomann, M.; Nüesch, F.; Lenz, M. (2023). Indium and silver recovery from thin film solar cell waste by means of nanofiltration. Oral presentation. PSCO2024; 16.-18. September, Perugia, Italy
56		2024-09	PSCO24	Conference	Italy	Scientific community / Industry	400	UOXF	Poster	Sam Teale: POSTER Monolithic perovskite tandem photovoltiacs optimised for maximum energy yield
57	35	2024-09	PEC2024	Conference	Italy	Scientific Community	80	KIT	Invited Speaker	Insights Into the Substrate Dependency of Co- and Sequentially Evaporated Perovskites
58	36	2024-09	EUPVSEC24	Conference	Austria	Scientific community / Industry	1200+	GUNAM	Poster	SIMULATION OF TOPCON/PERC HYBRID BOTTOM STRUCTURE FOR PEROVSKITE/SILICON TANDEM SOLAR CELLS USING QUOKKA3
59		2024-09	EUPVSEC24	Conference	Austria	Scientific Community	200+	EURAC	Oral	Outdoor Performance and Reliability of Perovskite-Silicon Tandems: First Results of the NEXUS Project
60		2024-09	EUPVSEC24	Conference	Austria	Scientific Community	50	EURAC	Oral	Environmental impact of Perovskite-silicon Tandem PV systems: Lessons learnt from NEXUS project
61	37	2024-10	ISOS15	Conference	Germany	Scientific Community		UOXF	Poster	Sam Teale: POSTER Comparing Degradation of Perovskite Solar Cells under Nominally Similar Testing Protocols

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62	38	2024-11	International Workshop on Silicon Heterojunction Solar Cells	Conference	Italy	Scientific community / Industry	350+	CEA	Invited speaker	NEXt generation of sUtainable perovskite Silicon tandem cells: Overview of the results of the first two years
63	39	2024-11	PVSEC-35	Conference	Japan	Scientific Community	1000	GUNAM/SALD	Poster	Hybrid PERC/TOPCon Bottom Cell Enabling Ag-free and In-free Design for Perovskite-Si Tandem Solar Cells
64		2024-11	PVSEC-35	Conference	Japan	Scientific Community	1000	UOXF	Invited speaker	Shuaifeng Hu: ORAL Powering Multijunction Photovoltaics with Metal Halide Perovskite
65	40	2024-11	FTAL Conference 2024 - Circular Economy	Conference	CH	Scientific community / Industry		FHNW	Poster	Amrein, M., Sidler, A., Vallat, B., Lenz, M, Rocco, D. (2024). End-of-life strategies for perovskite solar cells. FTAL Conference 2024 - Circular Economy, 14.-15. November, Lugano, Switzerland
66		2024-11	FTAL Conference 2024 - Circular Economy	Conference	CH	Scientific Community		FHNW	Organizer	M Lenz Scientific committee
67	41	2024-11	BECOME PV workshop	Workshop	Belgium	Scientific community / Industry		FHNW	Invited speaker	Invited talk Sebastian Hedwig: Challenges and chances of future PV recycling
68		2024-11	BECOME PV workshop	Workshop	Belgium	Scientific community / Industry		KIT	Invited speaker	Invited talk Paul Fassl: Scalable Fabrication Techniques for Perovskite-based Photovoltaics
69	42	2025-03	VIPERLAB LCA METHODOLOGY HARMONIZATION WORKSHOP	Workshop	Belgium	Scientific community	50+	FHNW, BI	Speaker / participant	

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70	43	2025-03	Sustainability in the Energy Transition: Balancing Ecology, Society, and Economy	Outreach	Switzerland	Scientific community	15	FHNW	Speaker	Discussion on sustainablilty metrics and decision taking (explample PV) with psychology students https://www.linkedin.com/posts/markus-lenz-6b6370109_workshop-recap-sustainability-in-the-activity-7307655890516533250-xIQ5?utm_source=share&utm_medium=member_desktop&rcm=ACoAABtIruoBNc36nUXoA9GUnz33K9vF9NbL2rc
71	44	2025-04	2025 MRS Spring Meeting & Exhibit	Conference	USA	Scientific Community	>500	UVEG	Invited speaker	Effects of Outdoor and Accelerated Stress Conditions
72	45	2025-05	Tandem PV Workshop	Conference	Belgium	Scientific community	250	SALD	Poster	Tuning the film properties of tin oxide in spatial atomic layer deposition
73		2025-05	Tandem PV Workshop	Conference	Belgium	Scientific community	250	SALD	Poster	Jons Bolding: Unprecedented throughput S2S Spatial Atomic Layer Deposition of SnO2 in perovskite solar cells
74		2025-05	Tandem PV Workshop	Conference	Belgium	Scientific community	250	KIT	Invited speaker	Paul Fassl: Vapor phase deposition processes for perovskite-based tandem photovoltaics
75		2025-05	Tandem PV Workshop	Conference	Belgium	Scientific community	250	FHNW	Invited speaker	Sebastian Hedwig: Green Energy, Green Processes: Aqueous Recycling of Perovskite Materials
76	46	2025-05	FuturePV workshop (by TestarePV project)	Workshop	Republic of Cyprus	Scientific Community	about 200?	EURAC	Oral	Cristina Polacchi presented: - Overview of Nexus project - Sustainability of Perovskite-Silicon Tandem PV systems: Lessons learnt from NEXUS project
77	47	2025-06	NIPHO25	Conference	Italy	Scientific Community	50	KIT	Oral	Deposition rate limitations for FA-based co-evaporated perovskites and how to overcome them

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78	48	2025-06	IEEE PVSC53	Conference	Canada	Scientific Community	>500	UOXF	Oral	Shuaifeng Hu: ORAL Metal halide perovskite-containing multijunction photovoltaics
79		2025-06	IEEE PVSC53	Conference	Canada	Scientific Community	>500	KIT	Oral	Julian Petry: ORAL Industrialization of Perovskite Solar Cell Fabrication: Strategies towards High-Throughput PVD Processes
80	49	2025-07	ICMAT 2025	Conference	Singapore	Scientific Community	300	UVEG	Invited speaker	Vacuum Deposited Perovskite Solar Cells
81	50	2025-09	PSCO25	Conference	Italy	Scientific Community	400	FHNW	Speaker	Sebastian Hedwig Poster Pitch: Indium and silver recovery from perovskite thin film solar cell waste by means of nanofiltration
82		2025-09	PSCO25	Conference	Italy	Scientific Community	400	FHNW	Speaker	Markus Lenz Oral: PERCENT- An open access tool to predict environmental Pb concentrations and their possible impacts on soils
83		2025-09	PSCO25	Conference	Italy	Scientific Community	400	UVEG	Invited speaker	Vacuum Deposited single junction and tandem Perovskite Solar Cells
84		2025-09	PSCO2025	Conference	Italy	Scientific Community	400	RUG	Spealer	Sander Heester, Oral: The Red, The White & The Blue: Identifying the dominant recombination loss mechanism in perovskite solar cells
85	51	2025-09	EUPVSEC25	Conference	Spain	Scientific community / Industry	0	CEA	Speaker	Perovskite Network Parallel Event: Lessons learnt; driving EU leaderhip in PSK innovation
86		2025-09	EUPVSEC25	Conference WS	Spain	Scientific community / Industry	0	BI-F / CEA	Speaker /leader	Women in PV: Inclusive Leadership
87		2025-09	EUPVSEC25	Conference	Spain	Scientific community / Industry	1200+	SALD	Poster	Spatial Atomic Layer Deposition of Aluminium doped Zinc Oxide as Recombination Junction for Tandem Solar Cells

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88		2025-09	EUPVSEC25	Conference	Spain	Scientific community / Industry	1200+	GUNAM	Poster	DESIGN and FABRICATION of EU PROJECT NEXUS INDUSTRIAL PERC/TOPCon BOTTOM CELL with ENHANCED PERFORMANCE for PEROVSKITE-Si TANDEM SOLAR CELLS
89		2025-09	EUPVSEC25	Conference	Spain	Scientific community / Industry	0	CEA	Poster	Boron Doped Nanocrystalline Silicon as a Rear-Emitter in Silicon Heterojunction Solar Cells
90		2025-09	EUPVSEC25	Conference	Spain	Scientific community / Industry	1200+	BI-F/BI	Poster	Social LCA of Perovskites: Initial Findings and Paths for Improvement
91		2025-09	EUPVSEC25	Conference	Spain	Scientific community / Industry	1200+	KIT	Speaker	Industrialization of Perovskite Solar Cell Fabrication: Strategies towards High-Throughput PVD Processes
92		2025-09	EUPVSEC25	Conference	Spain	Scientific community / Industry	1200+	EURAC	Speaker	"Outdoor Performance and Reliability of Perovskite-Silicon Tandems: Fifteen Months of Monitoring in the NEXUS Projec
93	52	2025-10	3. PV Recycling Workshop	Conference	Germany	Scientific community / Industry	0	FHNW	Speaker	Invited talk Sebastian Hedwig: PV Recycling (incl. CIGS) mittels Nanofiltration
94	53	2025-10	MATSUS Fall 2025	Conference	Spain	Scientific community	500	RUG	Speaker	Perovskite Solar cells: What can we learn from numerical modelling?
95		2025-10	MATSUS Fall 2025	Conference	Spain	Scientific community / Industry	0	KIT	Invited speaker	Invited talk Ulrich Paetzold: Vapor Phase Deposition for Perovskite-Based Tandem Photovoltaics
96		2025-10	MATSUS Fall 2025	Conference	Spain	Scientific community / Industry	0	KIT	Speaker	Particle Size Matters - Impact of Particle Size and Crucible Geometry on Sublimation Behavior of Formamidinium Iodide

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97	54	2025-10	2nd Dry Processed Perovskite Solar Cell Workshop	Conference	Spain	Scientific community / Industry	0	UVEG	Invited speaker	Invited talk Henk Bolink: Evaporated Perovskites: How fast can we go?
98		2025-10	2nd Dry Processed Perovskite Solar Cell Workshop	Conference	Spain	Scientific community / Industry	0	KIT	Invited speaker	Invited talk Ulrich Paetzold: Scalable Vapor Phase Deposition Processes for Perovskite Photovoltaics
99	55	2025-11	Nexus Tandem Perovksite Policy Webinar	Webinar	Webinar	Scientific community / Policy Makers	25	CEA	Speaker	Nexus project - key technical highlights
100		2025-11	Nexus Tandem Perovksite Policy Webinar	Webinar	Webinar	Scientific community / Policy Makers	25	CEA	Speaker	Projects results across multiple dimensions (environment, technical, social, economic) – and policy levers for scale up and deployment
101	56	2025-11	PVSEC-36	Conference	Thailand	Scientif Community/ Industry	25	BIF	Speaker	Projects results across multiple dimensions (environment, technical, social, economic) – and policy levers for scale up and deployment

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