D6.4 IMPACT CREATION FINAL REPORT

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Abstract	This deliverable presents the comprehensive communication, dissemination, community building, and cooperation strategies executed by the 6G-NTN consortium over the project's 36-month duration (January 2023 – December 2025). Building on the foundation of D6.1, the project successfully deployed a multi-channel outreach plan that included high-impact publications, active involvement in top-tier international conferences, and robust digital engagement, notably through its highly active LinkedIn presence for sharing project progress. Furthermore, the consortium established strategic cooperation and liaison activities with related projects and initiatives, maximizing synergies and ensuring the influence of 6G-NTN's research findings. The report confirms that the project met its outreach objectives, successfully positioning itself as a thought leader in Non-Terrestrial Networks research.
Keywords	Communication, dissemination, outreach, impact creation, community building, stakeholder engagement.

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Nature of the deliverable:	**R**	
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SEN	*Sensitive, limited under the conditions of the Grant Agreement*	
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* R: Document, report (excluding the periodic and final reports)

DEM: Demonstrator, pilot, prototype, plan designs

DEC: Websites, patents filing, press & media actions, videos, etc.

DATA: Data sets, microdata, etc.

DMP: Data management plan

ETHICS: Deliverables related to ethics issues.

SECURITY: Deliverables related to security issues

OTHER: Software, technical diagram, algorithms, models, etc.

EXECUTIVE SUMMARY

This deliverable provides a conclusive overview of the strategies, activities, and measured outcomes related to the communication, dissemination, community building, and cooperation efforts of the 6G-NTN project throughout its entire 36-month duration, spanning from the project kick-off in January 2023 to its conclusion in December 2025.

The project's outreach framework was rigorously guided by D6.1 *Dissemination and Communication Strategy and Plan* and grounded in a comprehensive set of Key Performance Indicators (KPIs) agreed upon at the project's inception. The overarching strategic objective was to maximize the visibility and influence of 6G-NTN across relevant scientific, industrial, and policy landscapes.

The execution involved a robust, multi-channel approach:

- **Communication and dissemination:** Leveraging high-impact peer-reviewed publications, active participation and presentations at top-tier conferences, and sustained digital outreach via project website, social media, and newsletters.
- **Cooperation and liaisons:** Strategic engagement and active collaboration with related projects, industry forums, and standardization bodies to maximize synergy and amplify the collective impact.
- **Community building:** Planning and organizing dedicated events complemented by continuous digital engagement to keep the 6G-NTN community informed about project progress, facilitate knowledge exchange, and gather feedback.

The project successfully met and, in many cases, surpassed the defined KPIs across all engagement categories. Through these efforts, the consortium established a strong and highly engaged community, effectively facilitating knowledge transfer and promoting the uptake of the project's findings. Key achievements include:

- An **exceptional digital visibility** demonstrated by significant website traffic and 6G-NTN resources views and downloads.
- A **benchmark-setting, large, and highly engaged LinkedIn follower base.**
- A **widespread strategic presence** achieved by actively attending and organizing multiple high-impact international events, ensuring high stakeholder engagement and knowledge transfer.

The report details the quantitative success of these activities, including metrics for website traffic, media impressions, published papers, and conference attendance. In conclusion, the 6G-NTN project has effectively utilized its resources to transition its research profile into tangible influence and a sustainable community, securing its legacy as a critical contributor to the foundational 6G ecosystem.

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ABBREVIATIONS

AI	Artificial Intelligence
D	Deliverable
EU	European Union
EC	European Commission
ESA	European Space Agency
GDPR	General Data Protection Regulation
KPIs	Key Performance Indicators
M	Month
NO	Number
NTN	Non-Terrestrial Networks
SEO	Search Engine Optimization
SERI	Swiss State Secretariat for Education, Research and Innovation
SNS JU	Smart Networks and Services Joint Undertaking
T	Task
WP	Work Package
6G	Sixth-Generation Wireless

1 COMMUNICATION AND DISSEMINATION M1-M36

1.1 COMMUNICATION AND DISSEMINATION STRATEGY

To ensure 6G-NTN's wide visibility and maximize its impact, a comprehensive communication, dissemination, and community-building strategy was meticulously developed at the beginning of the project. This strategy is fully documented in Deliverable D6.1 *Dissemination and Communication Strategy and Plan*, submitted to the European Commission in April 2023.

The strategy established the core framework for all project outreach, defining the key target audiences—ranging from the scientific community and industry stakeholders to policymakers and the general public—and the critical messages tailored for each group. It provided clear directions and operational guidelines for 6G-NTN partners, enabling them to smoothly, consistently, and effectively perform their own outreach activities. This integrated approach ensured that communication efforts were not isolated but rather unified under a common brand and message.

The strategy has been consistently followed by the 6G-NTN consortium since the project kick-off in January 2023. The subsequent sections of this report detail the specific tools, channels, and activities developed and utilized during the project's 36-month lifespan, and measure their effectiveness against the set KPIs.

1.2 COMMUNICATION AND DISSEMINATION OBJECTIVES

As planned during the proposal preparation, 6G-NTN communication and dissemination activities were conducted throughout the whole project lifespan with an aim to ensure the project's broad promotion and effective showcasing of the developed concepts, technologies, use cases, and results. This ambition translated into the following impact creation-related objectives:

- Ensure broad visibility and raise awareness about 6G-NTN, spreading knowledge about the project and its results, establishing a distinctive and recognisable identity that will support marketing efforts.
- Reach, stimulate and engage a critical mass of relevant stakeholders to ensure that (a) 6G-NTN concepts and activities are effectively and properly disseminated to the targeted audiences for maximum participation and promotion; (b) the results of the project are effectively showcased, leading to validation, improvement and possibly further adoption of the developed technologies and concepts.
- Facilitate exploitation of the outcomes of the project and promote the development of innovative solutions based on 6G-NTN's technologies and architectures.
- Foster impactful contribution to relevant scientific domains and standardization bodies as appropriate and relevant to planned exploitation plans and the outcomes of the project.
- Ensure close collaboration with the 6G SNS program and projects, while establishing liaisons with relevant initiatives in research and innovation domains.

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1.3 COMMUNICATION AND DISSEMINATION TOOLS AND CHANNELS

1.3.1 6G-NTN visual identity

The initial phase of Work Package (WP) 6 focused on establishing the core 6G-NTN visual identity to ensure immediate brand recognition across all project outputs. In this context, a foundational set of assets was developed, including a specific color palette, the official project logo and icon (with necessary variations), defined typography, and standardized templates for deliverables and public presentations. Crucially, a comprehensive style manual was developed and shared with all project partners. This document provided mandatory guidelines to ensure that the project's visual identity remained coherent and recognizable across every channel and promotional material used by the consortium throughout the 36-month period. These visual identity elements have been successfully integrated into all communication and dissemination materials produced by the project.

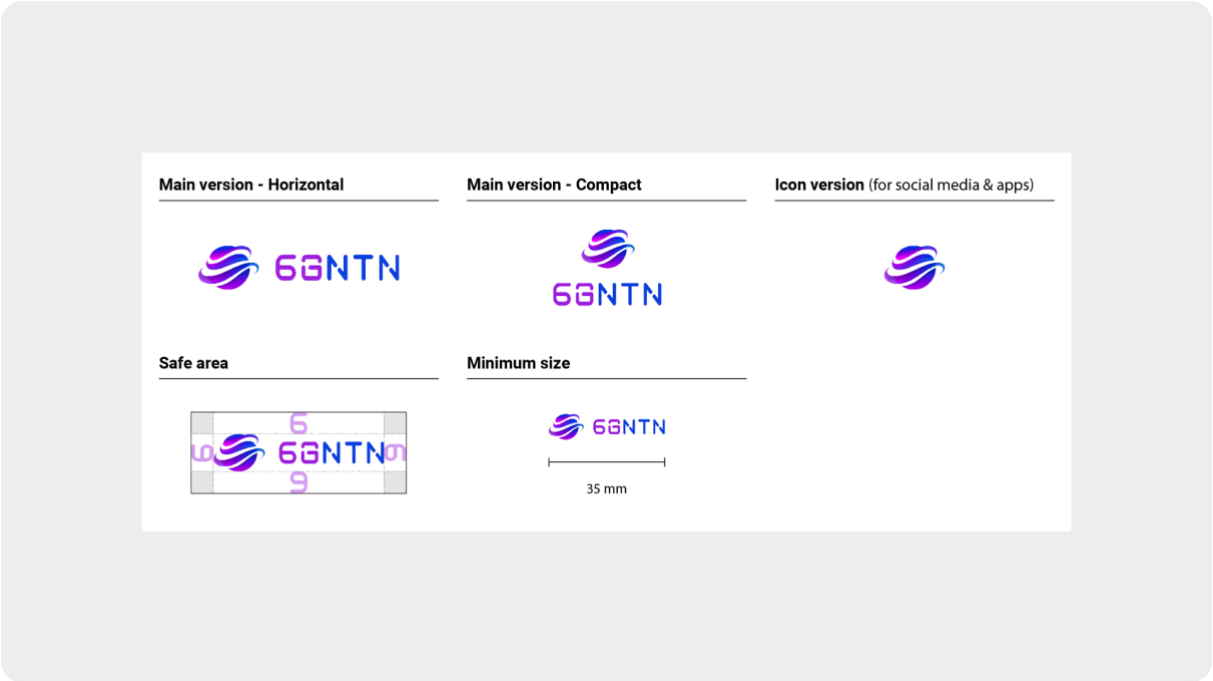

Figure 1: 6G-NTN Logo – Main Version

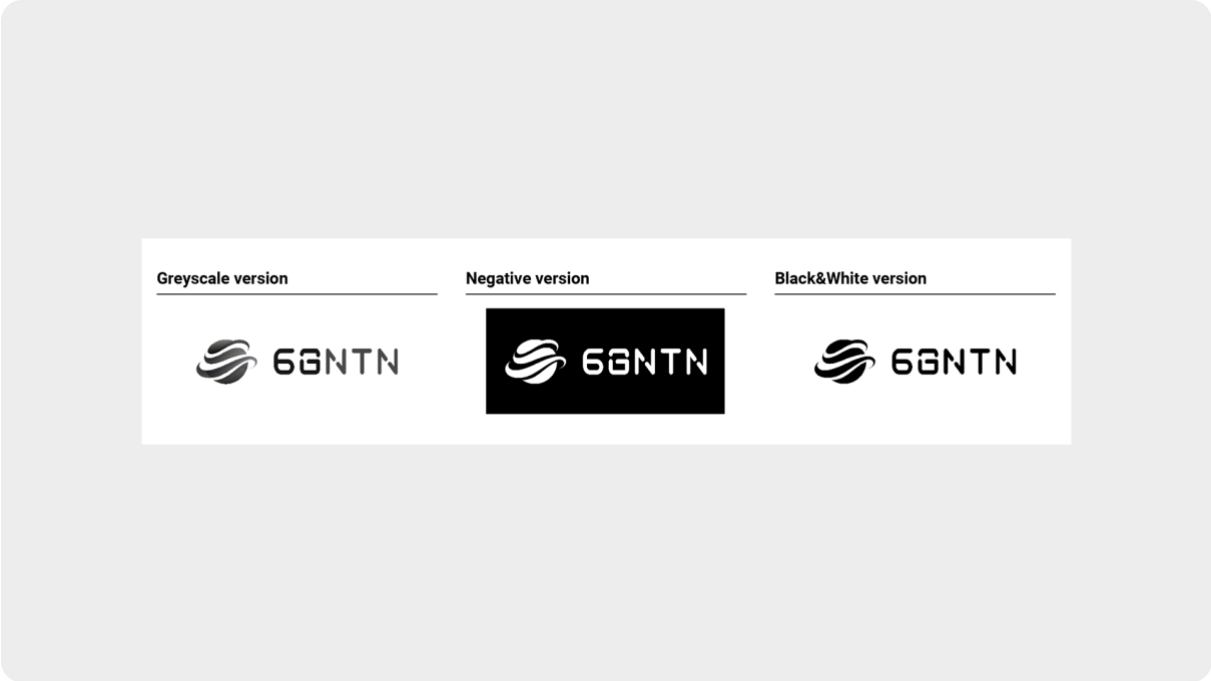

Figure 2: 6G-NTN Logo – Black and White Version

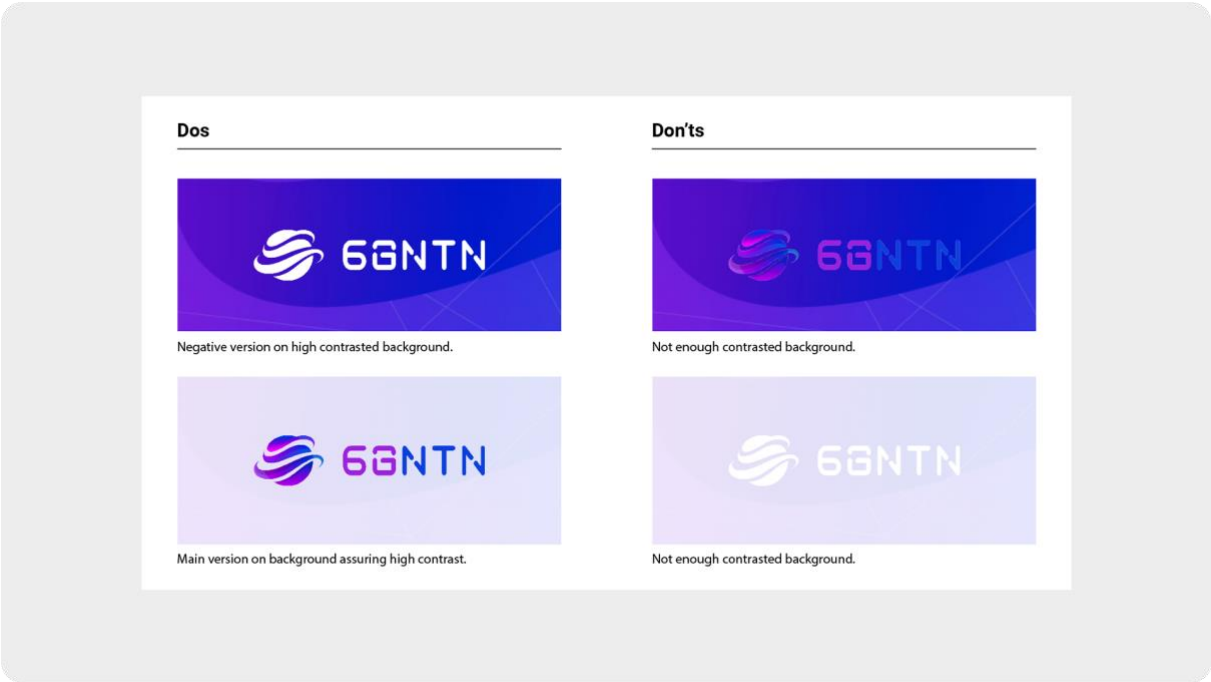

Figure 3: 6G-NTN Logo – Dos and Don'ts

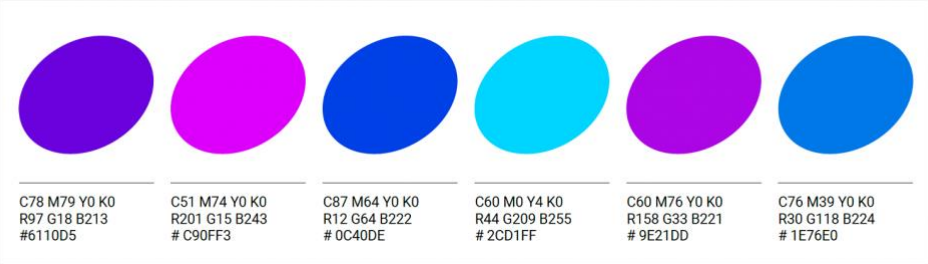

Figure 4: 6G-NTN – Color Palette

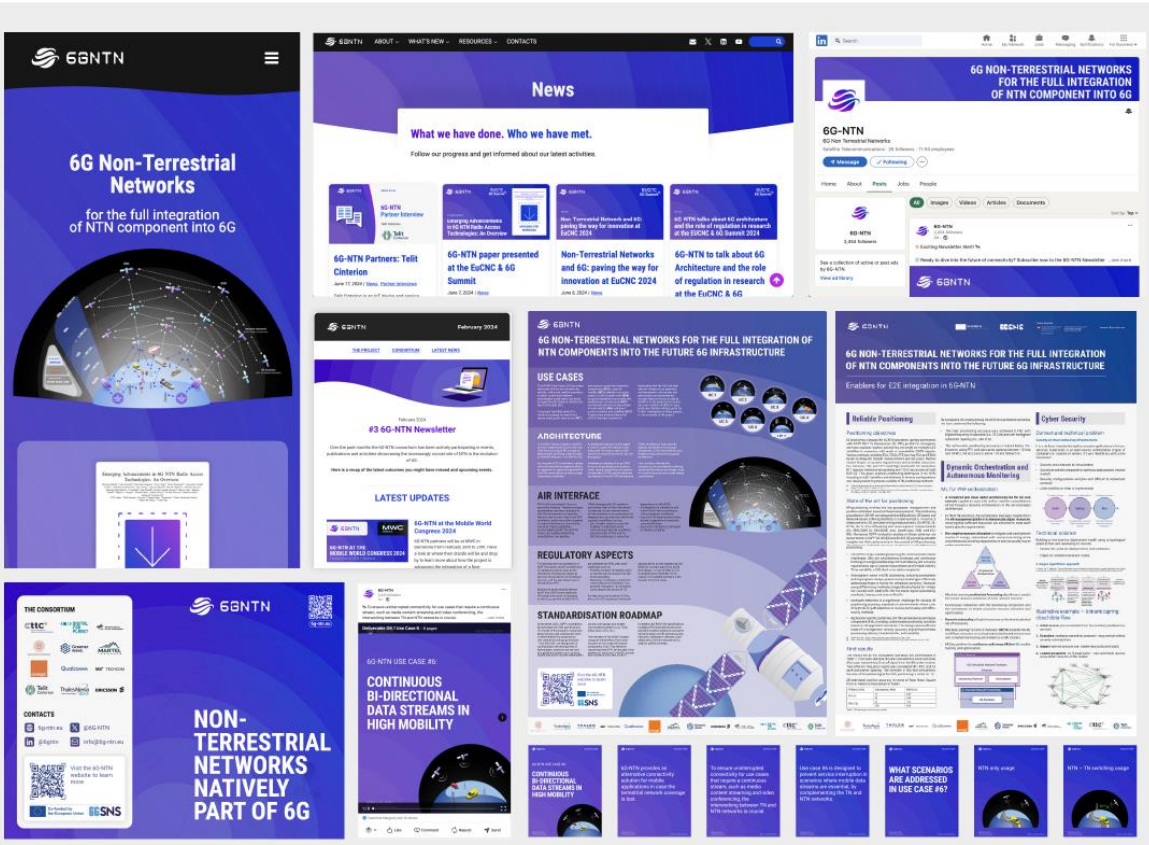

Figure 5: Overview of the 6G-NTN visual identity applied across communication and dissemination materials

1.3.2 Website

1.3.2.1 Structure and content

The 6G-NTN project website was established early in the project lifecycle to function as the primary public information and dissemination hub. It was designed with a clear, user-centric communication interface and a highly navigable structure to ensure efficient access to project information, results, and engagement opportunities.

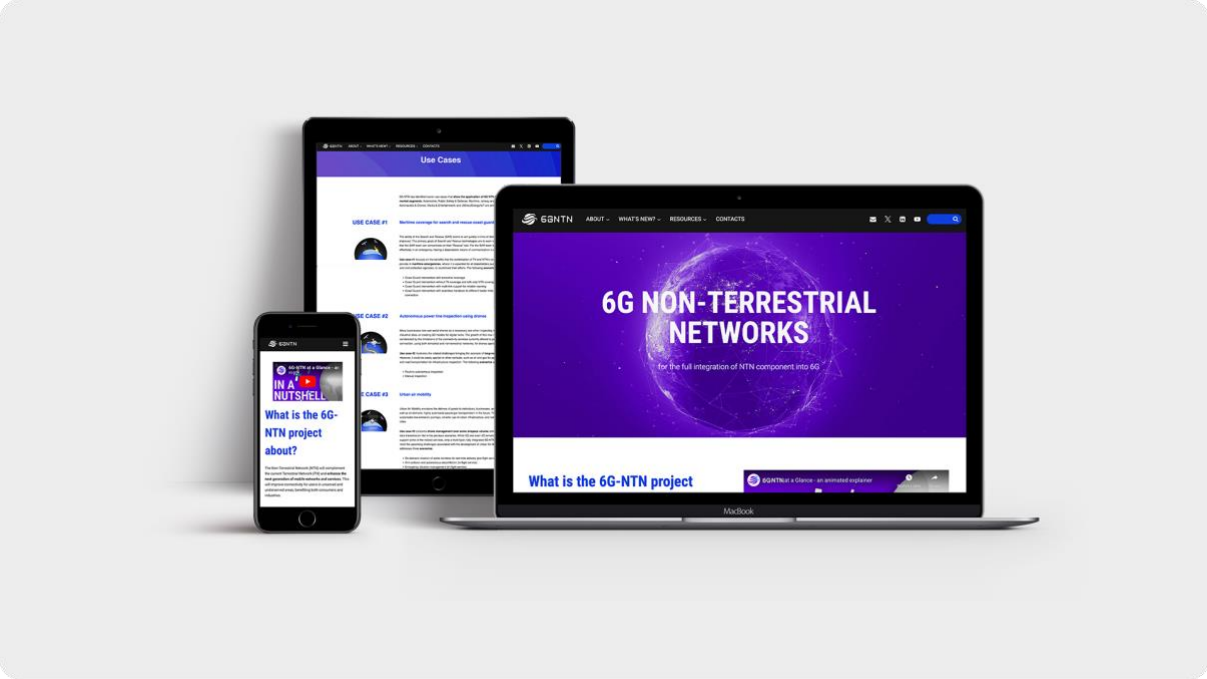

Figure 6: 6G-NTN Website

The website is systematically structured around four main sections, ensuring comprehensive coverage and ease of access for diverse stakeholders:

- **About** dedicated to foundational project information, which includes:
  - About 6G-NTN: presenting the project vision and providing an overview of the main objectives and expected impacts of the project.
  - Use Cases: introducing the 7 project use cases.
  - Consortium: presenting the organizations involved in 6G-NTN.
  - 6G SNS Cluster: providing a brief overview of the European Smart Networks and Services Joint Undertaking.
  - Results: providing an overview of 6G-NTN results.

- **What's New?** The central section for project engagement and current activities, which features:
  - News: featuring news articles covering the most relevant project activities.
  - Events: calendar of events relevant or related to 6G-NTN.
  - Newsletter: newsletter subscription process and a library of newsletters sent throughout the project's runtime.
  - Press Releases: press releases published throughout the project's runtime.
  - Press Clippings: press clippings and articles mentioning 6G-NTN and its partners.
  - Deliverables at a Glance: featuring a collection of carousels showcasing key highlights of some of the project deliverables.

- **Resources:** a comprehensive repository for downloadable public materials, which provides:
  - Publications: featuring all scientific publications related to the project, including full papers and abstracts available for download.
  - Produced Materials: material designed by 6G-NTN (flyers, brochures, infographics, posters, etc.).
  - Public Deliverables: list of downloadable public deliverables submitted by the 6G-NTN consortium and approved by the European Commission (EC).
  - Presentations & Talks: list of downloadable presentations delivered by the 6G-NTN project partners at external events.
  - Videos: videos produced during the project, all linked to the project's YouTube channel.
- Contacts: This page includes links to all 6G-NTN social media channels and provides a dedicated contact form for visitors who wish to contact the project consortium.

The 6G-NTN website incorporated critical administrative and promotional elements. The website was regularly updated throughout the project to maintain content relevance.

- **Funding Acknowledgement:** The website prominently features the mandatory funding acknowledgement, clearly stating the support received from the Smart Networks and Services Joint Undertaking (SNS JU) under the European Union's Horizon Europe programme (Grant Agreement No 101096479) and the Swiss State Secretariat for Education, Research and Innovation (SERI).
- **Data Protection (GDPR):** In alignment with the General Data Protection Regulation (GDPR), the website includes dedicated Privacy Policy and Cookie Policy links (located in the footer) to inform visitors on data handling and usage.
- **Promotion:** Strategic attention was paid to Search Engine Optimization (SEO), the use of relevant keywords, and consistent cross-referencing, which helped to effectively drive website traffic and maximize the visibility of project outputs.

1.3.2.2 Website traffic statistics

Website traffic was monitored using Matomo, an open-source web analytics platform. As visible in Figure 7, at the time of writing (December 17, 2025), the website counted **37,5K visits** and **92K page views**.

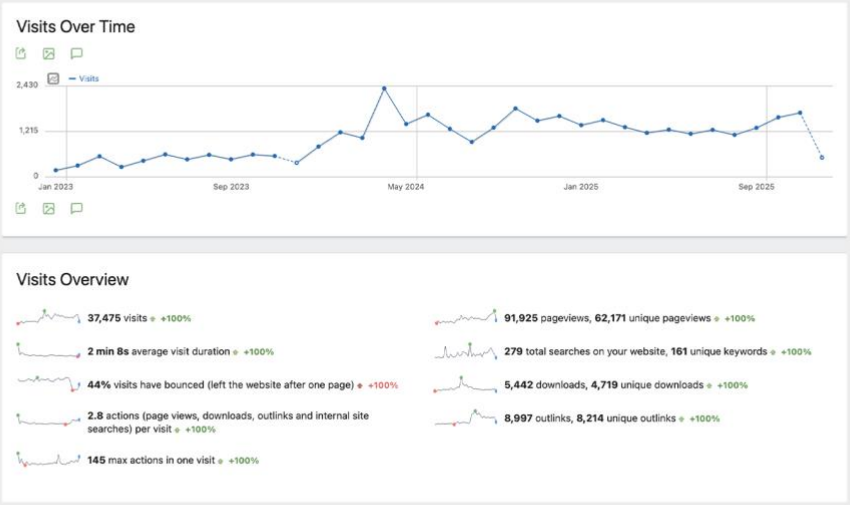

Figure 7: Website traffic statistics

The most frequently visited pages included:

- **Homepage** with **24'140 page views**.
- **News** with **15'007 page views**.
- **Events** with **7'727 page views**.
- **About 6G-NTN** with **6'544 page views**.
- **Scientific Publications** with **5,111 page views**.

1.3.3 News articles and press releases

6G-NTN regularly published news updates to keep its stakeholders informed about the project's continuous progress and key findings. These updates were crafted in clear, accessible language, ensuring they reached a broad audience, including the general public and non-technical readers. This approach was essential for maximizing the visibility and accessibility of the project's journey.

In addition to ongoing news coverage, targeted press releases were strategically issued to coincide with major milestones and achievements—such as the official project launch or the release of the 6G-NTN White Paper. These press releases were subsequently distributed to relevant media outlets, significantly enhancing the project's visibility and ensuring widespread awareness of 6G-NTN developments and their resulting impact.

1.3.3.1 News articles

During the project's lifespan, over 60 news articles were published on the project's news channel. These articles covered a range of topics, including project milestones, events attendance and organization, project publications, etc.

The news content has been categorized (e.g., Partner Interview, Project Update, Event Announcement, Publication Release) to facilitate user navigation and content accessibility.

Figure 8: 6G-NTN Website – News Section

1.3.3.2 Press releases

The project also maintained consistent external communication throughout its lifecycle by issuing four strategic press releases designed to maximize public awareness at critical junctures. These announcements began with the press release about project kick-off, which formally introduced 6G-NTN's objectives and consortium partners to the public. Subsequent press releases highlighted significant technical achievements, notably the publication of the

project's White Paper, and the 6G-NTN contributions to standards, underscoring the project's influence in key SDOs. Finally, a press release covering the final results served to summarize the project's overall success and secure its legacy within the 6G ecosystem. To maximize its reach and impact, this concluding press release will be distributed at the beginning of January 2026.

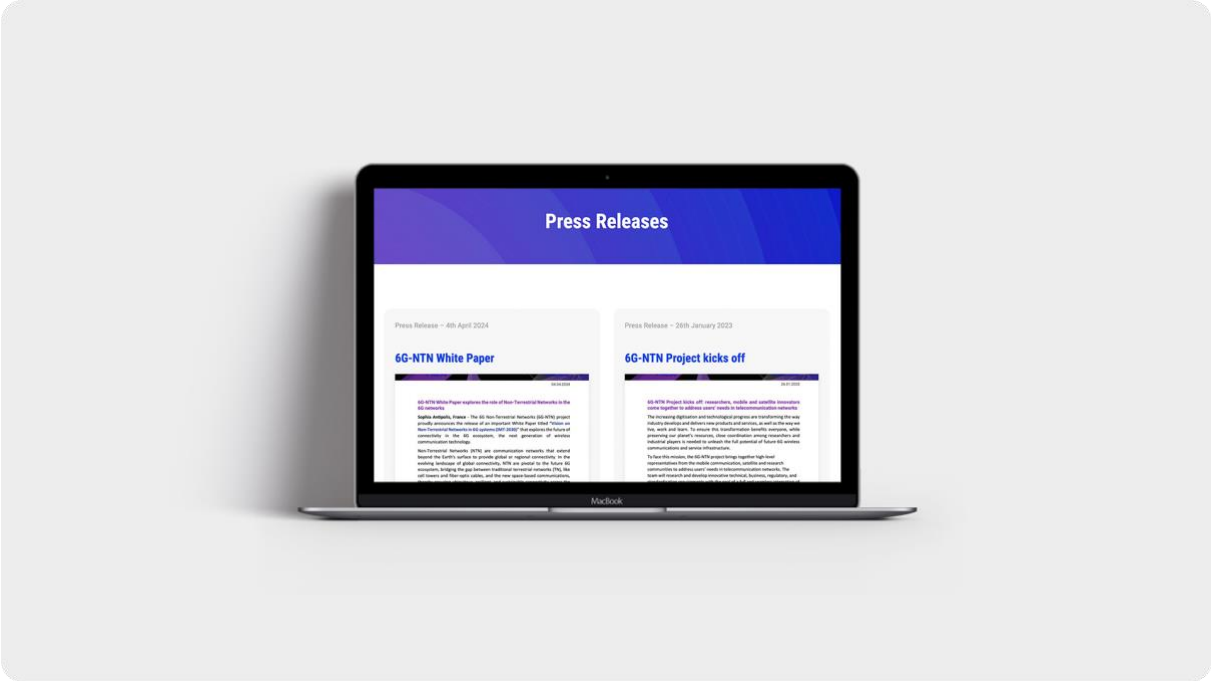

Figure 9: 6G-NTN Website – Press Releases Section

1.3.3.3 Press clippings and other mentions

The project successfully generated media interest, leading to features in several magazines. Some of the mentions include:

- *What Role Will Non-Terrestrial Networks Play in 6G?* published in Constellations in February 2025
- *6G e integrazione satellitare: il futuro delle telecomunicazioni* published in Platinum in November 2024
- *6G-NTN shows importance of NTNs for 6G in new white paper* published by RCR Wireless News in April 2024
- *6G-NTN White Paper explores the role of NTN in the 6G networks* published by CSN Shipping News in April 2024

A notable indicator of the project's technical influence was the frequent reposting of the bespoke 6G-NTN architecture graphic across various platforms. However, instances were observed where these reposts (as documented in accompanying screenshots) lacked proper acknowledgment. The consortium proactively addressed these breaches by contacting the responsible parties, formally requesting that they tag the project and mention the original authors, thereby safeguarding the intellectual property and ensuring correct attribution for 6G-NTN outputs.

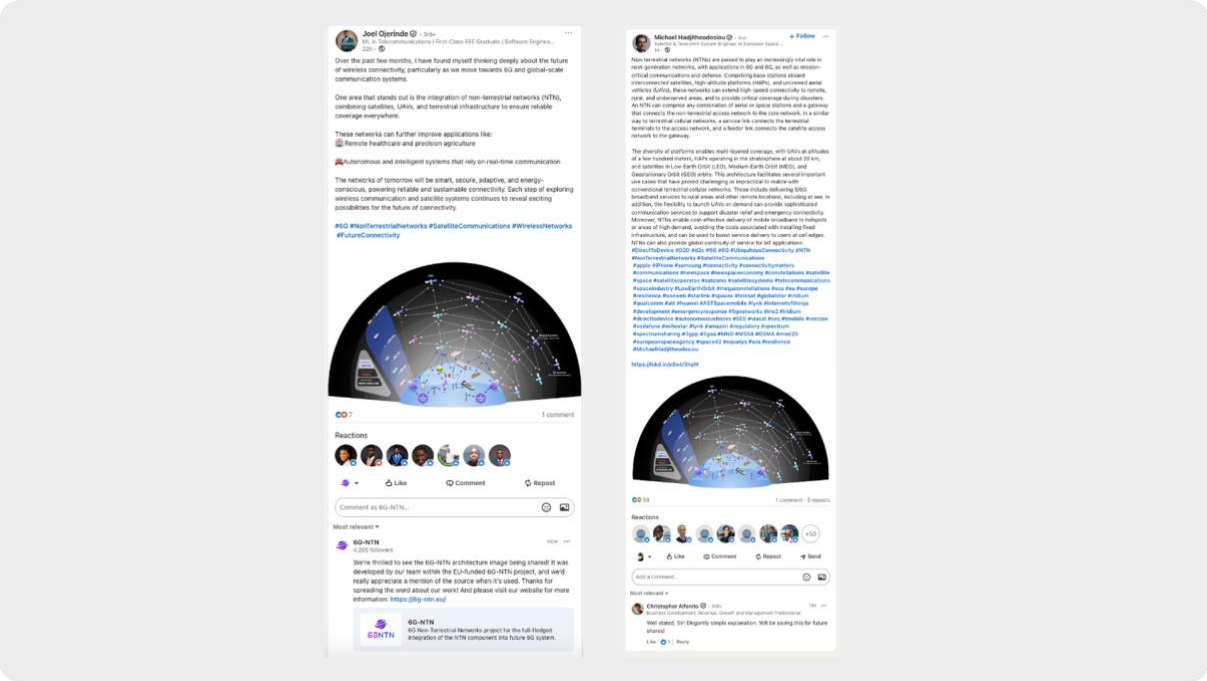

Figure 10: Screenshots of 6G-NTN Architecture Image Being Shared by Third Parties

1.3.4 Newsletter

6G-NTN maintained a consistent and comprehensive digital communication channel via its dedicated project newsletter, ensuring regular engagement with interested stakeholders. As planned, the newsletter was dispatched three times per year, resulting in a total of nine newsletters distributed over the project's 36-month lifespan. The content of each edition was curated to provide substantive updates on the project's work, milestones, and key activities, relevant news and achievements contributed by project partners, updates and analysis pertaining to the broader 6G and NTN landscapes, and information detailing upcoming project engagements, workshops, and relevant external events.

To guarantee widespread accessibility and regulatory compliance, the subscription mechanism was meticulously managed. The mailing list was established via an opt-in registration functionality on the project website, allowing interested visitors to subscribe directly. All processes related to data collection and distribution strictly adhere to the requirements of the General Data Protection Regulation (GDPR). The platform utilized for both designing and disseminating the newsletter was MailerLite, a trusted tool selected for its dependable accessibility, robust privacy settings, and ability to easily render a user-friendly and visually consistent newsletter experience across devices. All nine published newsletters have been archived and remain publicly accessible on the dedicated project website.

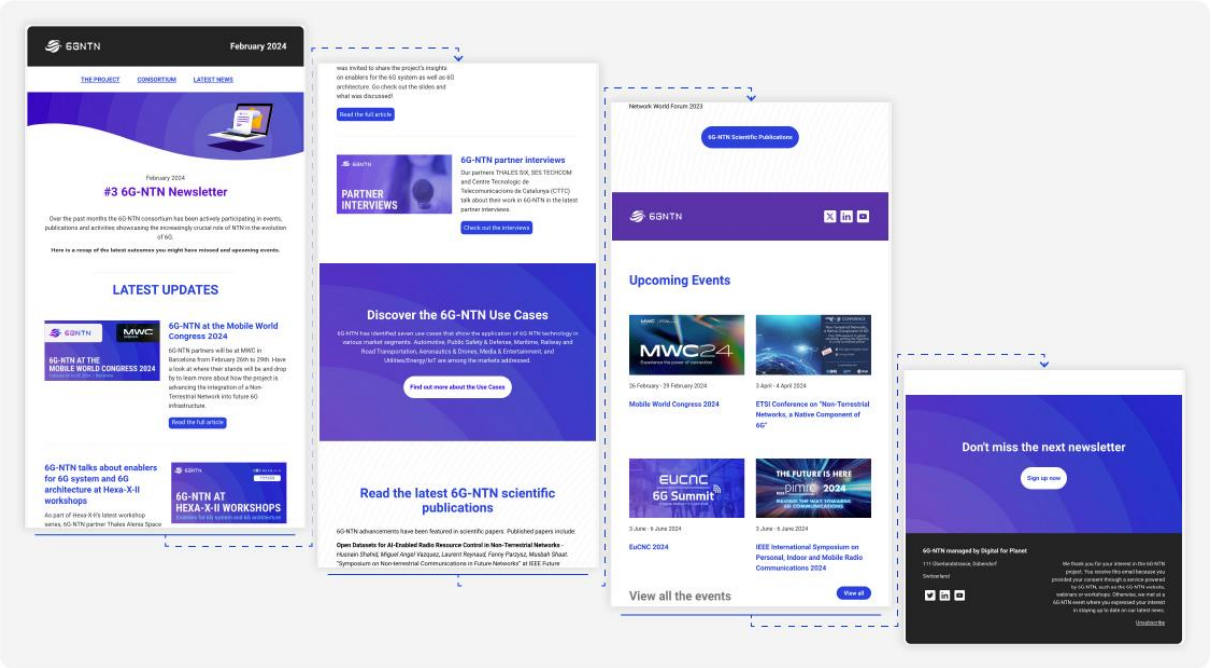

Figure 11: 6G-NTN Newsletter

1.3.5 Communication and dissemination campaigns

The 6G-NTN project executed two targeted digital campaigns throughout the project lifespan to enhance visibility and accessibility of project information.

1.3.5.1 Meet the consortium

The first focused campaign, "Meet the Consortium," was launched in December 2023 with the objective of introducing and humanizing the collective expertise behind 6G-NTN. This involved creating focused articles for the partners, which provided:

- A detailed description of the partner organization and its core business.
- An outline of its specific role and unique technical contribution to the 6G-NTN project.
- Identification of key personnel actively involved in the research.
- An articulation of the strategic importance of the 6G-NTN project to the partner's long-term objectives.

This campaign successfully fostered trust and transparency by showcasing the breadth and depth of the multi-national team driving the project's innovation.

1.3.5.2 Deliverables snapshots

The second campaign, "Deliverables Snapshots," was initiated in April 2024. The primary goal of this campaign was to increase the accessibility of the project's technical output by publishing visually friendly, concise summaries of selected deliverables. This approach yielded dual benefits for a wider group of stakeholders:

- **Non-technical audience** gained a clear, easily digestible understanding of the overall work performed within the project scope, avoiding the complexity of full technical reports.

- **Technical audience** received a good initial overview and content synopsis, allowing them to quickly assess the relevance and decide whether to engage with the full, detailed deliverable document.

This campaign effectively bridged the gap between highly technical deliverables and broad stakeholder interest, supporting the uptake of project results.

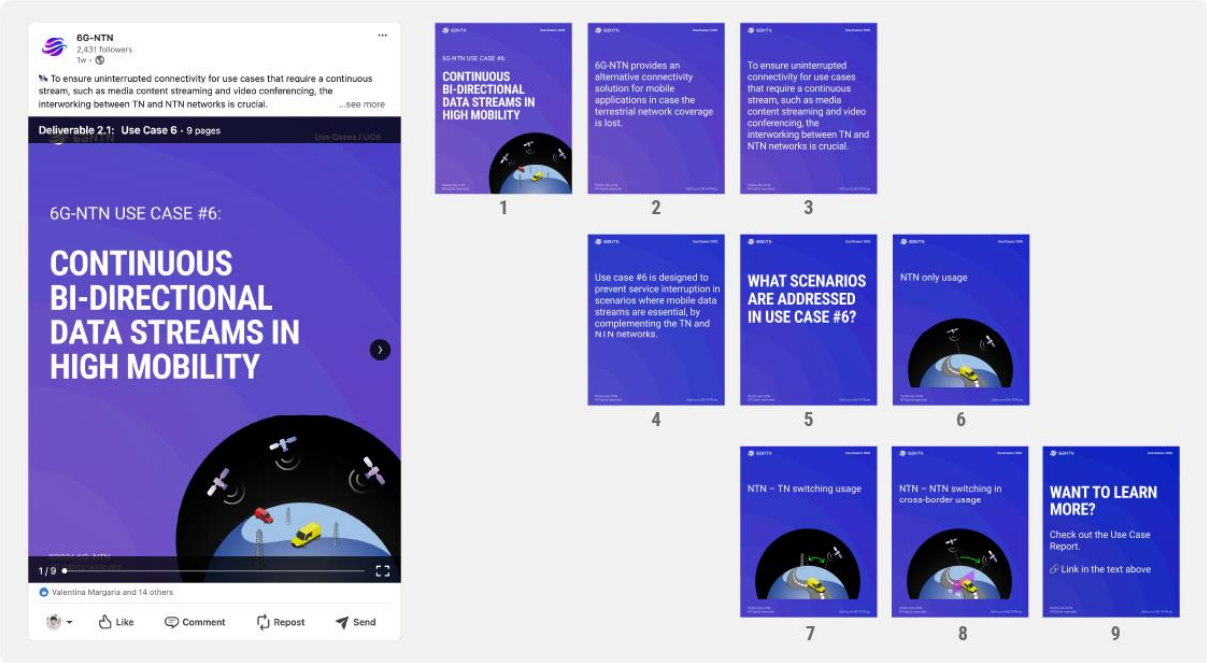

Figure 12: Example of a deliverable snapshot: on the left is an example of the post on the project social media channels (LinkedIn carousel); on the right is a sequence of 9 slides forming the carousel

The campaign featured the snapshots of the following deliverables:

- D2.1: Use Cases Definition
- D4.3: Open datasets for 6G-NTN data driven radio access networks
- D6.3: Standardisation, Exploitation and Sustainability Strategy and Plan
- D3.6: Report on 3D Multi Layered NTN Architecture

The “Deliverable Snapshots” campaign can be considered highly successful, based on the performance data provided by LinkedIn. As illustrated in the example of Deliverable 6.3, *“Standardisation, Exploitation and Sustainability Strategy and Plan,”* the corresponding Deliverable Snapshot posts, identified as “Document” in the “Post type” column, significantly outperformed other types of posts.

As shown in the figure below, Deliverable Snapshot posts generated over 1,000 impressions, far surpassing the typical 300–500 impressions achieved by other post types. Even more striking are the click metrics: each Deliverable Snapshot attracted 800 to more than 1,000 clicks, demonstrating strong audience interest.

The Click-Through Rate (CTR) further highlights this success, reaching 65% to 77%, and the engagement rate shows similarly strong results, ranging from 66% to 78%. These indicators

collectively confirm that the Deliverable Snapshots were a highly effective format for capturing audience attention and driving meaningful interaction.

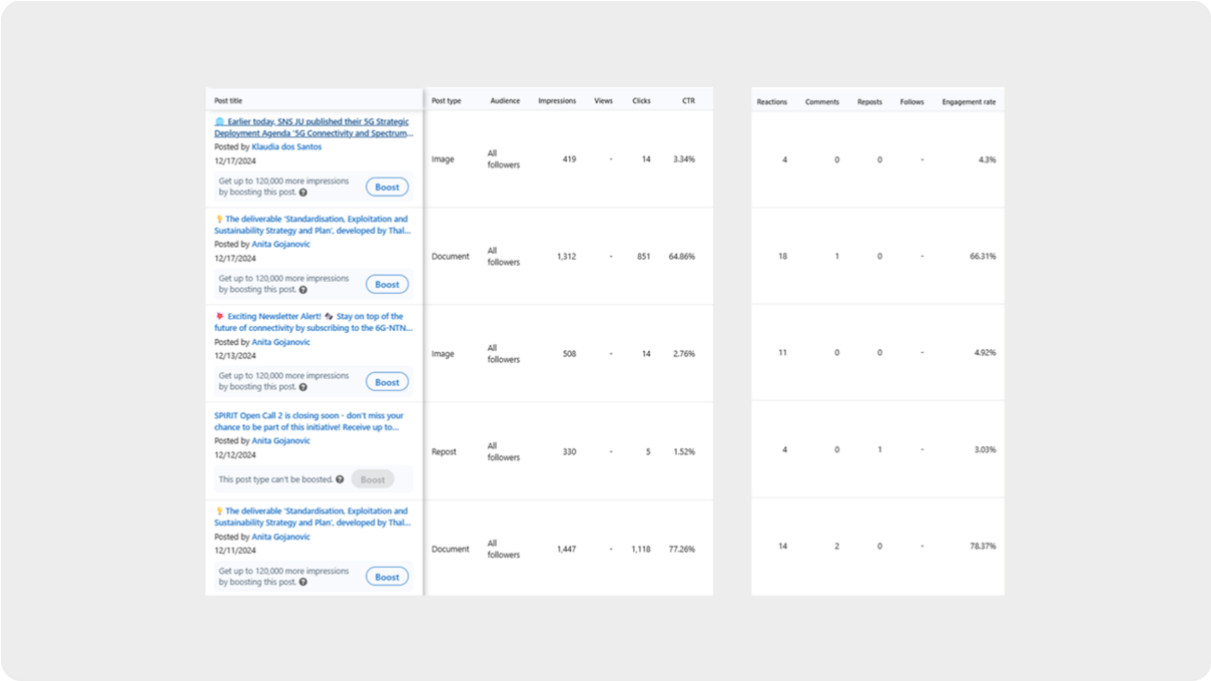

Figure 13: Example of content engagement of 6G-NTN LinkedIn posts from November 2024

1.3.6 Social media channels

6G-NTN successfully leveraged its social media channels to achieve extraordinary visibility and build a highly engaged technical audience. The project's channels attracted an international follower base composed primarily of researchers and industrial players from critical sectors, including telecommunications, higher education and research services, IT services and consulting, semiconductor manufacturing, software development, satellite communications, and defense and space manufacturing, among others.

The project's reach was truly global, with a notable concentration in major international technology hubs. Geographically, the audience was dominated by followers from the Greater Bengaluru Area in India (8%), followed by key European hubs such as the Greater Paris Metropolitan Region (3.8%), the Greater Munich Metropolitan Area (3%), and the London Area (2%). This distribution not only confirms the project's global appeal but also its penetration into areas with the highest density of 6G research and industrial activity, ensuring its content reaches the most relevant industry and research experts worldwide.

The content strategy involved actively and regularly animating the channels to ensure continuous engagement. Posts included updates on 6G-NTN partners' active participation in external events, consistent promotion of the periodic project newsletter to drive subscription numbers, and specific communication and dissemination campaigns.

Crucially, the posting protocol was optimized for maximum reach and amplification. All posts on platforms like LinkedIn consistently featured the partners' organizational handles and included tags for key stakeholders, such as the SNS JU and the European Commission (EC). Furthermore, a strategic use of hashtags, including recurring tags like #6G and #NTN, alongside event-specific tags like #EuCNC, was integral to the strategy, as visually demonstrated in Figure 14.

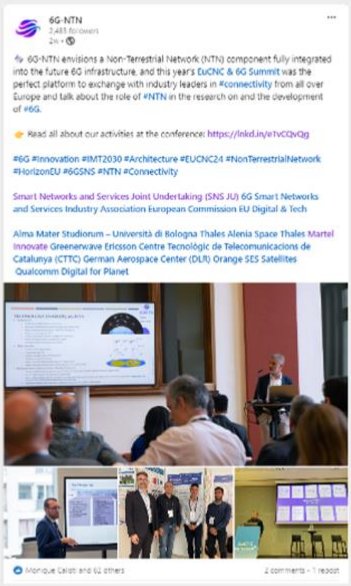

Figure 14: Example of a LinkedIn post including pictures of an event 6G-NTN partners participated in, the link to the article summarizing the event's key learnings, and the partners' handles and relevant hashtags.

This targeted approach resulted in a **13% engagement rate** and consistent and robust audience growth since the project's inception. At the time of writing (December 17, 2025), 6G-NTN counted **4268 followers on LinkedIn** and **336 followers on X** (formerly Twitter), which allowed the consortium to reach **161,275 people.** Reach refers to the number of individuals who saw any content from 6G-NTN social media accounts, including posts and mentions. Both reach and engagement metrics were monitored and measured using Hootsuite, a leading social media management platform.

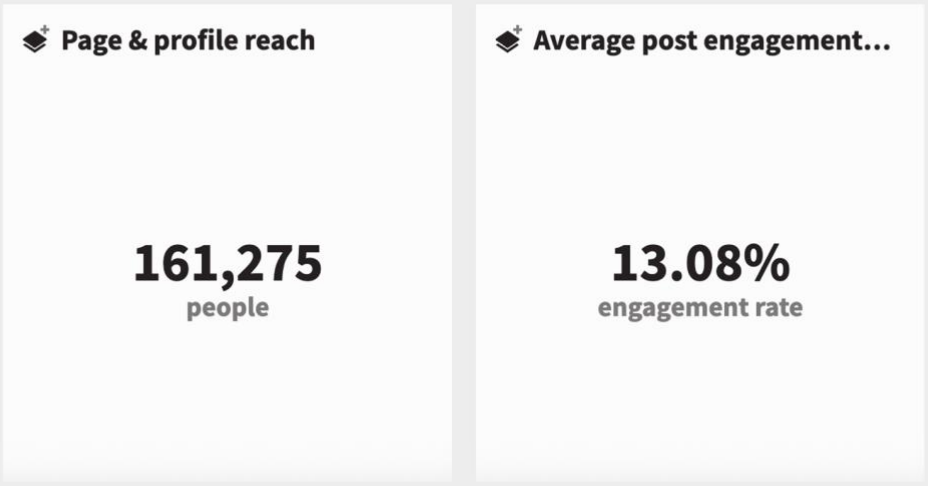

Figure 15: Social Media Statistics

It is particularly noteworthy that the LinkedIn follower base of the 6G-NTN project was substantially larger than that of any other SNS JU project, underscoring the effectiveness of the targeted communication strategy.

1.3.7 Events

1.3.7.1 Attended

The 6G-NTN consortium participated in a variety of events to present and promote the project and network with relevant stakeholders. Some of the attended events include:

- **IEEE Global Communications Conference**, December 8-12, 2025, Taipei, Taiwan
- **Fifth Visions for Future Communications Summit**, November 25-26, 2025, Lisbon, Portugal
- **Space Tech Expo**, November 18-20, 2025, Bremen, Germany
- **Marconi Society Advanced Wireless Forum**, November 13-14, 2025, Los Angeles, USA
- **Huawei's workshop WINNOW**, November 13, 2025, Milan, Italy
- **5th NTN Workshop: Towards a unified TN-NTN system**, November 6, 2025, Berlin, Germany
- **Mobile KOREA 2025**, October 30, 2025, online participation
- **NetworkX**, October 16, 2025, Paris, France
- **International Conference on ICT Convergence**, October 14-17, 2025, Jeju Island, Korea
- **NTN days**, October 1, 2025, Toulouse, France
- **ITU-R BEREC**, September 24, 2025, online
- **42nd International Communications Satellite Systems Conference (ICSSC 2025)**, September 23-25, 2025, Barcelona, Spain
- **Networld Europe and CCSA Workshop: Non-Terrestrial Networks**, September 19, 2025, Shanghai, China
- **NTN, Security & Resilience**, September 19, 2025, Germany
- **NTN forum / Panel on the future role of NTNs in the 6G era**, September 9, 2025, online
- **2025 Glue Technologies for Space Systems Technical Panel Ph.D. Summer School**, September 3, 2025, Rome, Italy
- **IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC),** September 1-4, 2025, Istanbul, Türkiye
- **Satellite Telecommunications Committee Meeting**, June 25, 2025, online,
- **EuCNC & 6G Summit 2025**, June 3-6, 2025, Poznan, Poland
- **PEPR: réseau du future, Atelier NTN**, June 3, 2025, online
- **UK SPF Future Spectrum Policy Summit 2025**, May 16, 2025, online
- **EU-Japan Digital Week**, March 31 - April 7, 2025, Tokyo, Japan
- **MWC 2025**, March 3-6, 2025, Barcelona, Spain

- **ASMS SPSC 2025**, February 26-28, 2025, Sitges, Spain
- **IEEE Future Networks Working Group Event**, December 18, 2024, online
- **ETSI-ITU Symposium on ICT Sustainability**, December 11-12, 2024, Geneva, Switzerland
- **IEEE GLOBECOM 2024**, December 8-12, 2024, Cape Town, South Africa
- **Drone Day**, December 4, 2024, Lannion, France
- **SatNEx V**, November 12, 2024, Castelldefels, Spain
- **IEEE FNWF 2025**, November 10, 2025, Bangalore, India
- **12TH FOKUS FUSECO Forum**, November 7, 2024, Berlin, Germany
- **Industrial 5G Forum**, November 5, 2024, online
- **6G Global 2024 – Mobile KOREA**, October 28, 2024, Seoul, Republic of Korea
- **30th Ka Conference**, October 22-24, 2025, Turin, Italy
- **IEEE Future Networks World Forum**, October 15-17, 2024, Dubai, UAE
- **ICTC 2025**, October 14-17, 2025, Jeju Island, Republic of Korea
- **ISSST2024**, October 14-16, 2024, Edinburgh, UK
- **IEEE 100th Vehicular Technology Conference**, October 10, 2024, Washington DC, USA
- **6GIC-CLICK**, October 2, 2024, Guildford, UK
- **ARTES Final Presentation Days**, October 1-3, 2024, Oxfordshire, UK
- **6G Forum**, October 1, 2024, online
- **DIA2025**, September 29, 2025, Munich, Germany
- **EuMW2025**, September 26, 2024, Paris, France
- **IEEE SPAWC 2024**, September 10-13, 2024, Lucca, Italy
- **one6G Summit 2024**, September 5-6, 2024, Valencia, Spain
- **2024 Glue Technologies for Space Systems Technical Panel Ph.D. Summer School**, September 2-6, 2024, online
- **PSCE 2024 Spring Conference**, June 4-5, 2024, Vienna, Austria
- **EuCNC & 6G Summit 2024**, June 3-6, 2024, Antwerp, Belgium
- **6G World webinar "What's stopping a 'Network of Networks' working in practice?"** April 30, 2024, online
- **MWC 2024**, February 26-29, 2024, Barcelona, Spain
- **Hexa-X-II Workshop on 6G architecture and standardization**, January 26, 2024, online
- **EUREKA Info Day 2023**, November 14, 2023, Luxembourg
- **IEEE Future Network World Forum 2023,** November 13-15, 2023, Baltimore, USA
- **one6G Summit 2023**, November 9-10, 2023, Munich, Germany
- **Fourth Visions for Future Communications Summit**, November 7-8, 2023, Lisbon, Portugal

- **28th Ka and Broadband Communications Conference**, October 23-26, 2023, Bradford, UK
- **Thematic days on NTN communications (organized by the CNRS GDRs RSD & ISIS)**, October 19-20, 2023, Toulouse, France
- **VTC2023**, October 10-13, 2023, Hong Kong, China
- **European Wireless 2023**, October 2-4, 2023, Rome, Italy
- **FOKUS FUSECO Forum**, September 14–15, 2023, Berlin, Germany
- **IEEE WiSEE 2023**, September 6-8, 2023, Aveiro, Portugal
- **IEEE AESS Summer School, "Frontier Technologies for Space 2.0 Communications,"** August 29 – September 1, 2023, online
- **EuCNC & 6G Summit 2023**, June 6-9, 2023, Gothenburg, Sweden
- **4th SNS Lunchtime Webinar**, March 6, 2023, online
- **MWC 2023**, February 27 - March 2, 2023, Barcelona, Spain
- **World Satellite Connectivity Summit,** February 9-10, 2023, Prague, Czech Republic
- **ETSI Research Conference: Maximizing the Impact of European 6G Research through Standardization**, February 6-8, 2023, Sophia Antipolis, France

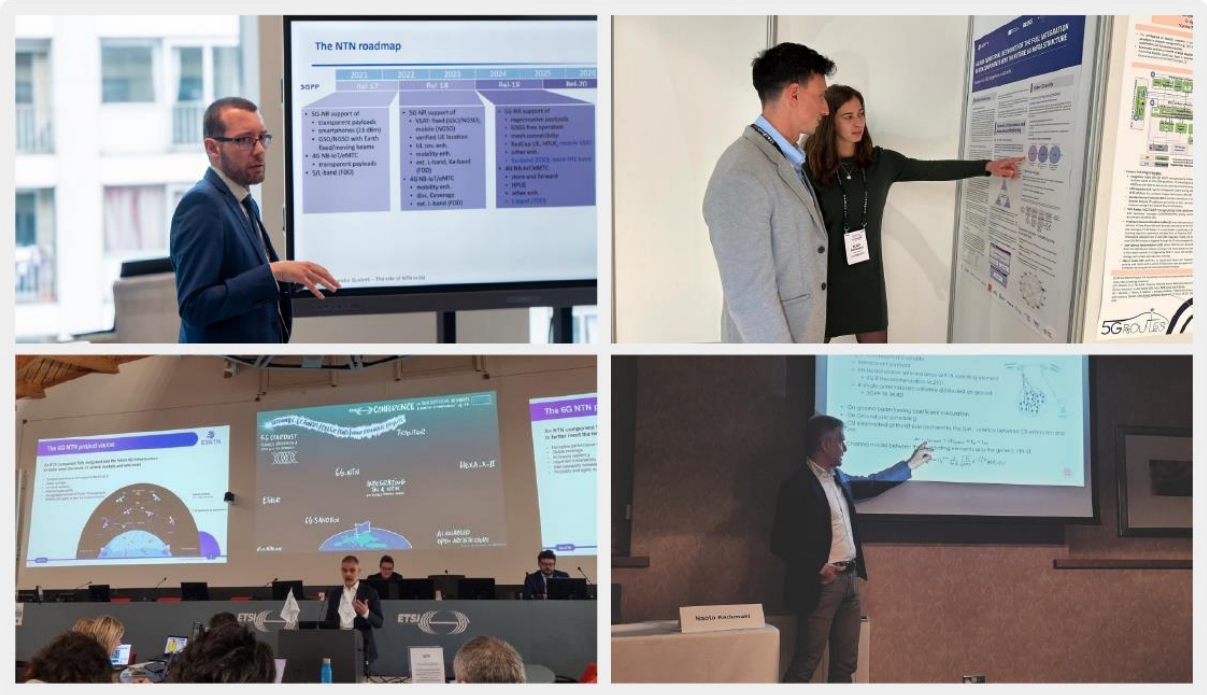

Figure 16: Photographs of 6G-NTN partners participating in events

Selected presentations delivered by 6G-NTN project partners at events are available on the project website, http://www.6g-ntn.eu/presentation-talks/.

1.3.7.2 (Co)organized

In addition to attending external events to present the project and network with relevant stakeholders, the 6G-NTN consortium was also actively involved in the organization of the following events:

- **Workshop "Integrated 6G Architectures and Technologies for Terrestrial and Non-Terrestrial Networks"** co-organized by 6G-NTN, 5G-STARDUST, and UNITY-6G at the IEEE PIMRC 2025 in Istanbul, Turkey.
- **Workshop "6G-NTN: Architectures and Technologies"** organized at the IEEE PIMRC 2024 in Valencia, Spain.
- **Workshop "Terrestrial and non-terrestrial networks unification towards 6G"** organized in collaboration with 5G-STARDUST, ETHER, Hexa-X-II, NexaSphere, and several European Space Agency (ESA) projects at the EuCNC & 6G Summit 2025 in Poznan, Poland.
- **Tutorial "NTN (r)evolution: stepping into 6G"** organized in collaboration with 5G-STARDUST at the EuCNC & 6G Summit 2025 in Poznan, Poland.
- **Thinknet 6G Evenet "NTN, Security & Resilience,"** September 19, 2025, Weßling, Germany.
- **ETSI webinar "Essential Discussions about NTN for 6G,"** May 16, 2024, online
- **ETSI conference "Non-Terrestrial Networks, a Native Component of 6G,"** April 3-4, 2024, Sophia Antipolis, France.
- **The 6G series workshop by Hexa-X-II**, February 13-14, 2024, online.
- **Workshop on "Massive IoT connectivity in Non-Terrestrail Networks: Challenges and Opportunities,"** at ICC 2026 Glasgow, Scotland, 24th May 2026.

1.3.8 Videos

6G-NTN produced six videos: one animated explainer and five expert interviews, which collectively gathered 2.3K views.

- **6G-NTN in a nutshell,** published in April 2023, featuring the Project Coordinator, Alessandro Vanelli-Coralli, the Technical Project Coordinator, Nicolas Chuberre, and the Communication Manager, Monique Calisti. In the video, these three key project partners provide a sneak peek of the project, explaining what 6G-NTN is about, stressing its significance and pointing out the technological ambitions of the project, the technologies that 6G-NTN plans to advance, also explaining the importance of planned collaboration with the other SNS projects.
- **6G-NTN Standardization Roadmap,** published in August 2023, featuring Mohamed El Jaafari (Thales Alenia Space). The interview provides insights into the project's roadmap to integrate its innovations into standards and contribute to Europe's technological leadership in NTN.
- **6G-NTN at MWC2024,** published in March 2024, featuring the Project Coordinator, Alessandro Vanelli-Coralli. The interview focuses on 6G-NTN's key takeaways from the Mobile World Congress 2024 held in Barcelona, Spain, and their implications for Non-Terrestrial Networks and their incorporation into 6G. Vanelli-Coralli also explains that 6G-NTN covers an essential aspect of connectivity that had been overlooked so far – the sky – and confirms that the project is aligned with the industry's wants and needs in terms of 6G development.
- **6G-NTN at MWC2024,** published in April 2024, featuring the Technical Project Coordinator, Nicolas Chuberre who talks about main highlights from the Mobile World Congress 2024, held in Barcelona, Spain, and what this means for Non-Terrestrial Networks and their integration into 6G. His interview also touches upon what 6G-NTN has

achieved, including the use cases and architectural trade-offs, as well as the project's plan to partake in the standardization process of 6G with bodies, such as ETSI.

- **6G-NTN at the EuCNC & 6G Summit 2024**, featuring the Project Coordinator, Alessandro Vanelli-Coralli. This interview posted in June 2024 includes the project's presence at the event, and how 6G-NTN contributes to sustainability and standardization. Short snippets of this interview will be published on social media, driving viewers to the full interview on the project's YouTube channel.
- **6G-NTN at a Glance - an animated explainer**, published in February 2025, this animated video takes a deep dive into the world of 6G-NTN, exploring the challenges and solutions of integrating NTN and TN to create a unified and robust 6G framework.

Figure 17: Screenshots of 6G-NTN video interviews

All project videos have been featured on the 6G-NTN website as well as the social media channels and are available on the project YouTube channel, https://www.youtube.com/@6G-NTN-eu.

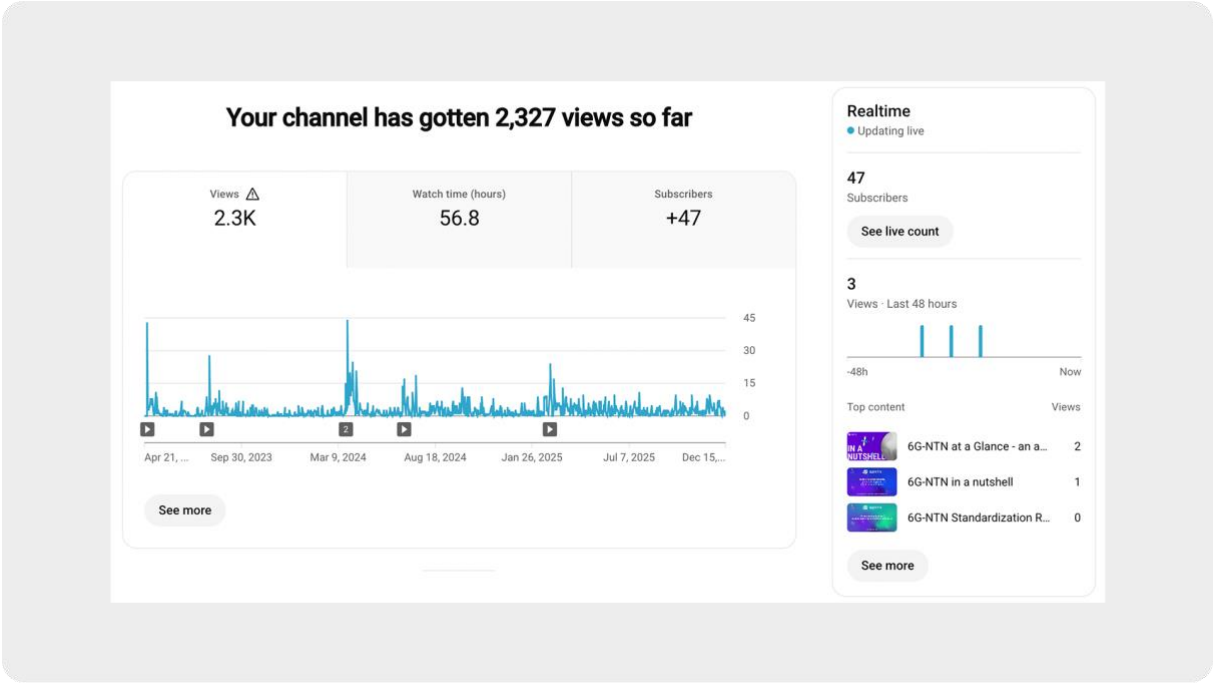

Figure 18: YouTube Channel Analytics

1.3.9 Produced supporting materials

6G-NTN produced two flyers, (1) a general introductory flyer, which introduces the project concept, features the funding acknowledgment, and provides contact details, and (2) a more comprehensive architecture & use cases brochure featuring the project vision, innovation

potential, project use cases, 6G-NTN architecture, the consortium members, funding acknowledgment, and contact details.

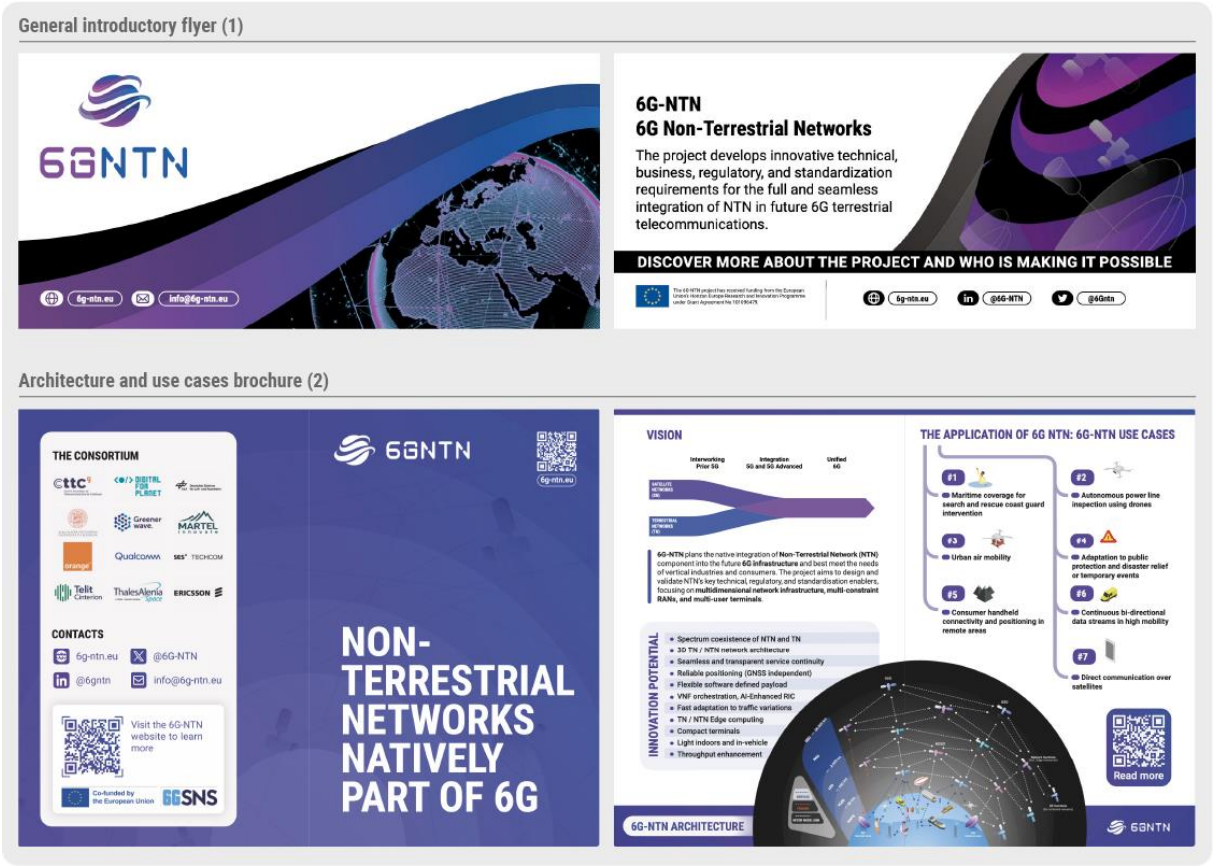

Figure 19: 6G-NTN flyers

The flyers/brochures were distributed both digitally and physically, e.g., at events such as MWC, EuCNC & 6G Summit, one6G Summit, among others.

Besides, the consortium produced two posters, which were presented at attended events, namely:

- **A poster with a general project overview** featuring project use cases, the 6G-NTN architecture, air interface, regulatory aspects, and the standardization roadmap, presented at the ETSI conference “Non-Terrestrial Networks, a Native Component of 6G," which took place in Sophia Antipolis, France on April 3-4, 2024.
- **A scientific poster titled, “6G Non-Terrestrial Networks for the Full Integration of NTN Components into the Future 6G Infrastructure,”** which focuses on three important aspects of the transition from 5G to 6G networks, aligning with ambitious goals of advanced connectivity, extended coverage, improved reliability and trustworthiness on networks (innovative positioning methods based on UE-application demands; AI/ML resource forecasting for VNF orchestration; methods for securing VNF deployment), presented at the EuCNC & 6G Summit 2024, which took place in Antwerp on June 3-6, 2024.

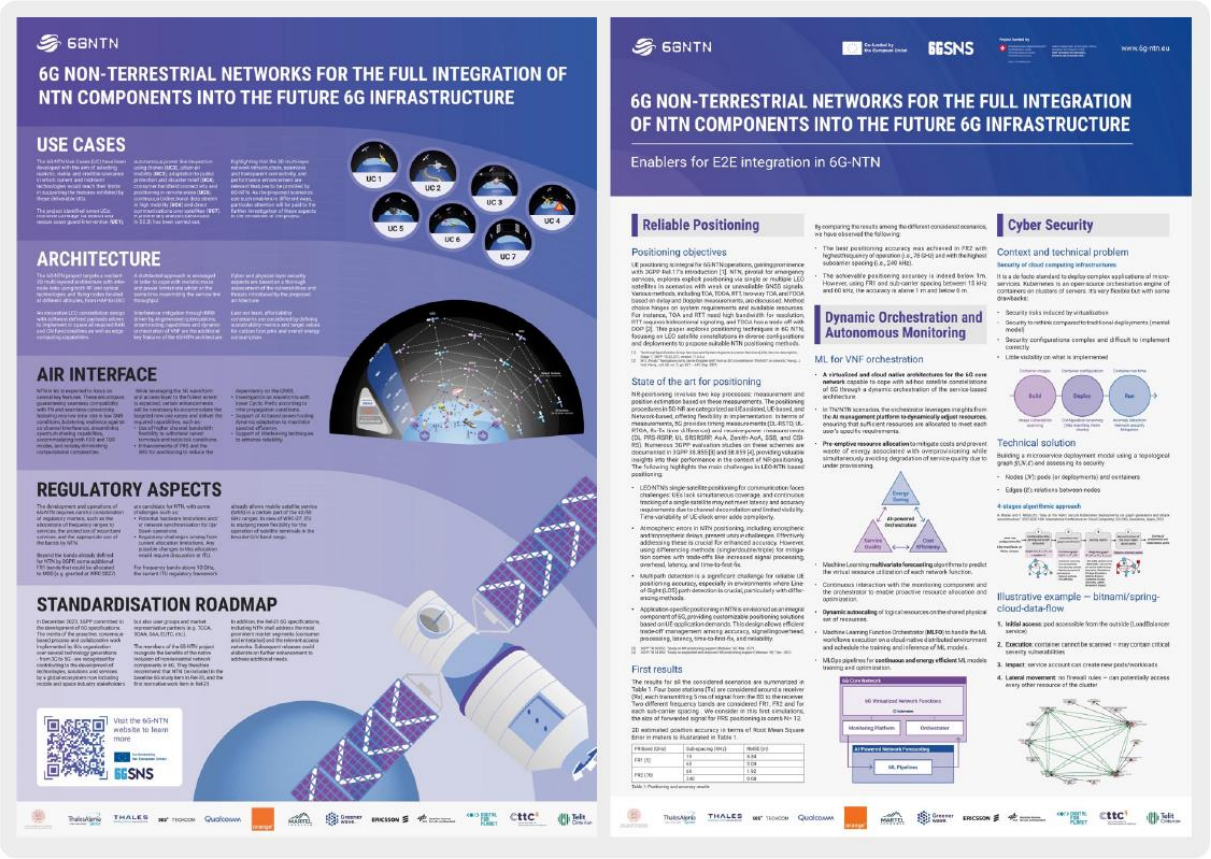

Figure 20: 6G-NTN posters

1.3.10 Publications

1.3.10.1 Scientific publications

The 6G-NTN consortium demonstrated a steadfast commitment to maximize the public accessibility of its research results. In full adherence to the Open Access guidelines mandated by the Horizon Europe work programme, all scientific publications generated by the project are freely and immediately available to the wider public and interested stakeholders. This commitment ensures the broad and prompt utilization of project findings. A total of 26 scientific papers developed as part of 6G-NTN have been published (refer to Table 1 for a summary of publications). A complete list of all 6G-NTN publications is also maintained on the project website and the 6G-NTN community on Zenodo.

Table 1: Scientific papers published by 6G-NTN project partners

Title	Authors	Publication venue	Publication date
"Coexistence Study Between GEO and LEO Satellites in the Q/V-Band"	X. Leturc; D. Panaitopol; S. Tong; C. J. Le Martret	IEEE PIMRC 2025	September 2025
"Faster-Than-Nyquist Equalization With Convolutional Neural Networks"	Bruno De Filippo; Carla Amatetti; Alessandro Vanelli-Coralli	IEEE PIMRC 2025	September 2025
"Performance analysis of satellite HARQ under partial feedback conditions"	Estefanía Recayte; Carla Amatetti; Amira Alloum	ICSSC 2025	September 2025
"A Novel Framework for Proactive CNF Orchestration in 6G NTN"	Alice Piemonti; Riccardo Campana; Vito Cianchini; Carla Amatetti; Massimo Neri; Alessandro Vanelli-Coralli	EuCNC & 6G Summit 2025	June 2025
"Uplink OFDM Channel Prediction with Hybrid CNN-LSTM for 6G Non-Terrestrial Networks"	Bruno De Filippo; Carla Amatetti; Alessandro Vanelli-Coralli	EuCNC & 6G Summit 2025	June 2025
"Multi-Satellite NOMA-Irregular Repetition Slotted ALOHA for IoT Networks"	E. Recayte; C. Amatetti	IEEE ICC 2025	June 2025
"Channel Prediction in 6G Non-Terrestrial Networks With Deep Learning: a Physical Layer Analysis"	Bruno De Filippo; Carla Amatetti; Alessandro Vanelli-Coralli	IEEE ICMLCN 2025	May 2025

"3D Multi Layered 6G-NTN Architecture"	Sandro Scalise; Juraj Poliak; Samuele Raffa; Ji Lianghai; Madivanane Nadarassin; Russell Hills; Eduardo Medeiros; Per-Erik Eriksson; Sebastian Euler	12th Advanced Satellite Multimedia Systems Conference / 18th Signal Processing for Space Communications Workshop	February 2025
"6G NTN in C and Q/V-Bands: Link Budget Analysis and Waveforms Performance"	Carla Amatetti; Juan Bucheli; Dorin Panaitopol; Sorya Tong; Xavier Leturc; Marius Caus; Spain Musbah Shaat; Estefania Recayte; Mehmet Gurelli; Miguel A. Vazquez; Nathan Borios; Alessandro Vanelli-Coralli	IEEE Globecom Workshops 2024	December 2024
"An SCMA Receiver for 6G NTN based on Multi-Task Learning"	Bruno De Filippo; Carla Amatetti; Riccardo Campana; Alessandro Guidotti; Alessandro Vanelli-Coralli	IEEE Globecom Workshops 2024	December 2024
"The Role of 6G NTN in Emergency and Crisis Management"	Carla Amatetti; Fanny Parzysz; Laurent Reynaud; Sandro Scalise; Alessandro Guidotti; Nicolas Chuberre; Farid Benbadis; Massimo Neri; Miguel A. Vazquez; Alessandro Vanelli-Coralli	IEEE Future Networks World Forum 2024	October 2024
"Performance Evaluation of Fractional Frequency Reuse in Multi-Beam Satellite System"	Husnain Shahid; Miguel A. Vazquez; Xavier Artiga; Matilde Sanchez-Fernandez; Alvaro Callejas-Ramos	25th IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)	September 2024
"Cell-Free MIMO in 6G NTN with AI-predicted CSI"	Bruno De Filippo; Riccardo Campana; Alessandro Guidotti; Carla Amatetti; Alessandro Vanelli-Coralli	25th IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)	September 2024
"Non-Uniform User Distribution in Non-Terrestrial Networks with Application to User Scheduling"	Bruno De Filippo; Bilal Ahmad; Daniel Gaetano Riviello; Alessandro Guidotti; Alessandro Vanelli-Coralli	2024 IEEE International Mediterranean Conference on Communications and Networking (MeditCom)	July 2024
"Emerging Advancements in 6G NTN Radio Access Technologies: An Overview"	Husnain Shahid; Carla Amatetti; Riccardo Campana; Sorya Tong; Dorin Panaitopol; Alessandro Vanelli-Coralli; Abdelhamed	EuCNC & 6G Summit 2024	June 2024

	Mohamed; Chao Zhang; Ebraam Khalifa; Eduardo Medeiros; Estefania Recayte; Fatemeh Ghasemifard; Ji Lianghai; Juan Bucheli; Marius Caus; Mehmet Gurelli; Miguel A. Vazquez; Musbah Shaat; Nathan Borios; Per-Erik Eriksson; Sebastian Euler; Zheng Li; Xiaotian Fu		
"Location-based User Scheduling through Graph Coloring for Cell-Free MIMO NTN Systems"	Daniel Gaetano Riviello; Bruno De Filippo; Bilal Ahmad; Alessandro Guidotti; Alessandro Vanelli-Coralli	2024 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit)	June 2024
"Federated Beamforming with Subarrayed Planar Arrays for B5G/6G LEO Non-Terrestrial Networks"	M. Rabih Dakkak; Daniel Gaetano Riviello; Alessandro Guidotti; Alessandro Vanelli-Coralli	Workshop WS-12: 6G Architecture at the 2024 IEEE Wireless Communications and Networking Conference (WCNC 2024)	April 2024
"Federated Cell-Free MIMO in Non-Terrestrial Networks Architectures and Performance"	Alessandro Guidotti; Alessandro Vanelli-Coralli; Carla Amatetti	IEEE Transactions on Aerospace and Electronic Systems	February 2024
"Open Datasets for AI- Enabled Radio Resource Control in Non-Terrestrial Networks"	Husnain Shahid; Miguel Angel Vazquez; Laurent Reynaud; Fanny Parzysz; Musbah Shaat	IEEE Future Networks World Forum's Symposium on Non-Terrestrial Communications in Future Networks	November 2023
"Assessment of Beamforming Algorithms with Subarrayed Planar Arrays for B5G/6G LEO Non-Terrestrial Networks"	M. Rabih Dakkak; Daniel Gaetano Riviello; Alessandro Guidotti; Alessandro Vanelli-Coralli	IEEE Future Networks World Forum's Symposium on Non-Terrestrial Communications in Future Networks	October 2023
"Analysis of Graph-based User Scheduling for Ka-Band LEO NTN Systems"	Bilal Ahmad; Daniel Gaetano Riviello; Bruno De Filippo; Alessandro Guidotti; Alessandro Vanelli-Coralli	28th Ka and Broadband Communications Conference (Ka BSC)	October 2023

"Open Datasets for Satellite Radio Resource Control"	Husnain Shahid; Miguel A. Vazquez; Musbah Shaat; Pol Henarejos; Nuria T. Quijada	40th International Communications Satellite System Conference (ICSSC)	October 2023
"RAN Functional Splits in NTN: Architectures and Challenges"	Riccardo Campana; Carla Amatetti; Alessandro Vanelli-Coralli	Arxive	September 2023
"NTN: from 5G NR to 6G"	Mohamad Sayed Hassan; Chiranjib Saha; Ji Lianghai; Alberto Rico Alvarino; Jun Ma; Le Liu; Qiang Wu	2023 IEEE International Conference on Wireless for Space and Extreme Environments (WiSEE)	September 2023
"O-RAN based Non-Terrestrial Networks: Trends and Challenges"	Riccardo Campana; Carla Amatetti; Alessandro Vanelli-Coralli	EuCNC & 6G Summit 2023	June 2023
"Improved Graph-based User Scheduling for Sum-Rate Maximization in LEO-NTN Systems"	Bilal Ahmad; Daniel Gaetano Riviello; Alessandro Guidotti; Alessandro Vanelli-Coralli	IEEE ICASSP's Signal and Data Processing for Next Generation Satellites (SDP-NGS) workshop	June 2023

1.3.10.2 White Papers

Besides publishing scientific papers, 6G-NTN also published a highly relevant **White Paper titled, *"Vision on Non-Terrestrial Networks in 6G system (or IMT-2030): Use Cases, Requirements, and Possible Standardization Approach – A Perspective from the 6G-NTN Project."*** The White Paper, coauthored by Thales Alenia Space France, Ericsson Sweden and France, Qualcomm France, SES Techcom, Thales – SIX, Telit Cinterion, GreenerWave, Martel Innovate, Digital for Planet, CTTC, German Aerospace Center – DLR, and Alma Mater Studiorum - University of Bologna, was released at the ETSI Conference "Non-Terrestrial Networks, a Native Component of 6G," which took place on April 3-4, 2024, in Sophia Antipolis, France. In this White Paper, the 6G-NTN consortium provides a consolidated view on NTN in 6G. The paper includes an identification of the targeted market segments, connectivity scenarios, general design principles for NTN in 6G followed by a proposed standardization approach. At the time of writing, the paper has already been **downloaded 2,984 times directly from the project website and 160 times from Zenodo**, demonstrating its high relevance and the keen industry interest in the 6G-NTN consortium's vision for the integration of NTN into the future 6G system.

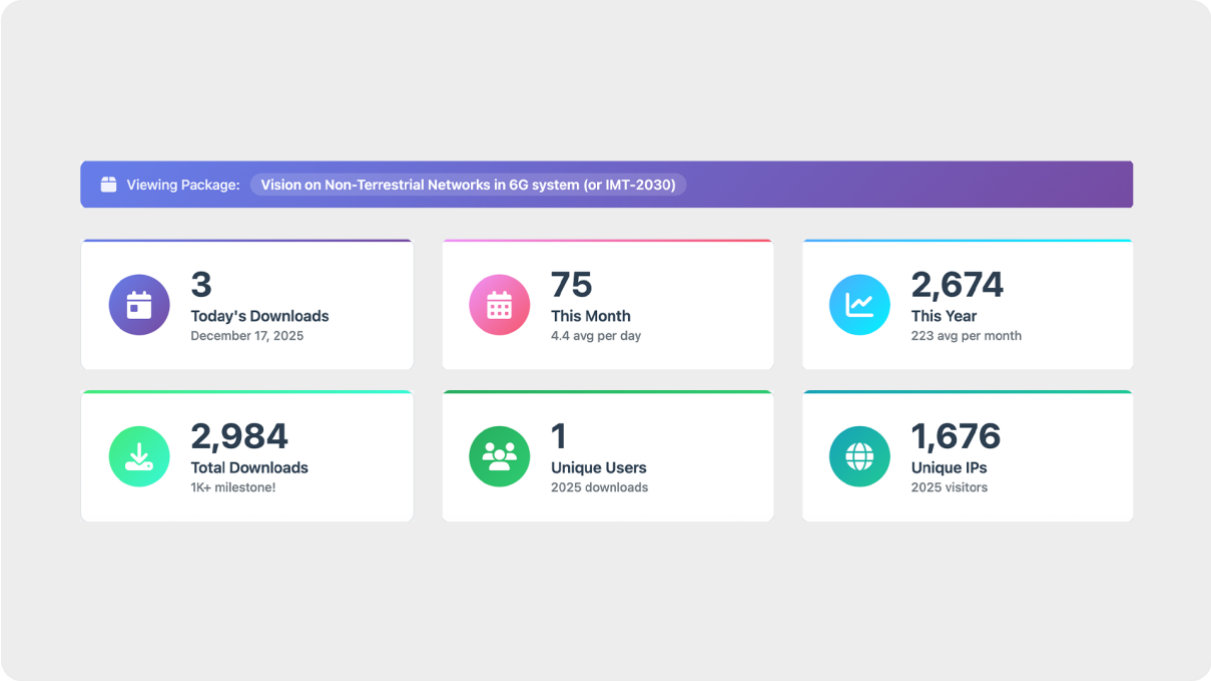

Figure 21: White Paper – Statistics

Note regarding Figure 21: All visitors who are not registered to WordPress are aggregated under a single guest user account. Consequently, this metric does not represent the actual number of individual users accessing or downloading the paper. Metrics such as total downloads and unique IPs of 2025 visitors provide a more accurate indication of audience reach.

6G-NTN partners (UNIBO, DLR) also contributed to the White Paper on Public Protection and Disaster Relief (PPDR) developed by the SNS JU Technology Board. 6G-NTN's contribution focused on defining the architecture potentials that NTN can offer toward more effective and resilient operations in PPDR scenarios, from disaster management and overall connectivity restoration standpoints. This paper is currently undergoing final review, and it is expected to be published in January 2026.

1.4 TARGET GROUPS

The identification and engagement of diverse stakeholder groups have been one of the key components of 6G-NTN's communication, dissemination, and community-building strategy since the project start. At the early project stages, the consortium performed an exercise of positioning the 6G-NTN stakeholders on the stakeholder map presented in Figure 22, which helped the project partners visualize the relationships with the different target groups and understand who has interest in or influence over the project and can therefore contribute to its development and success.

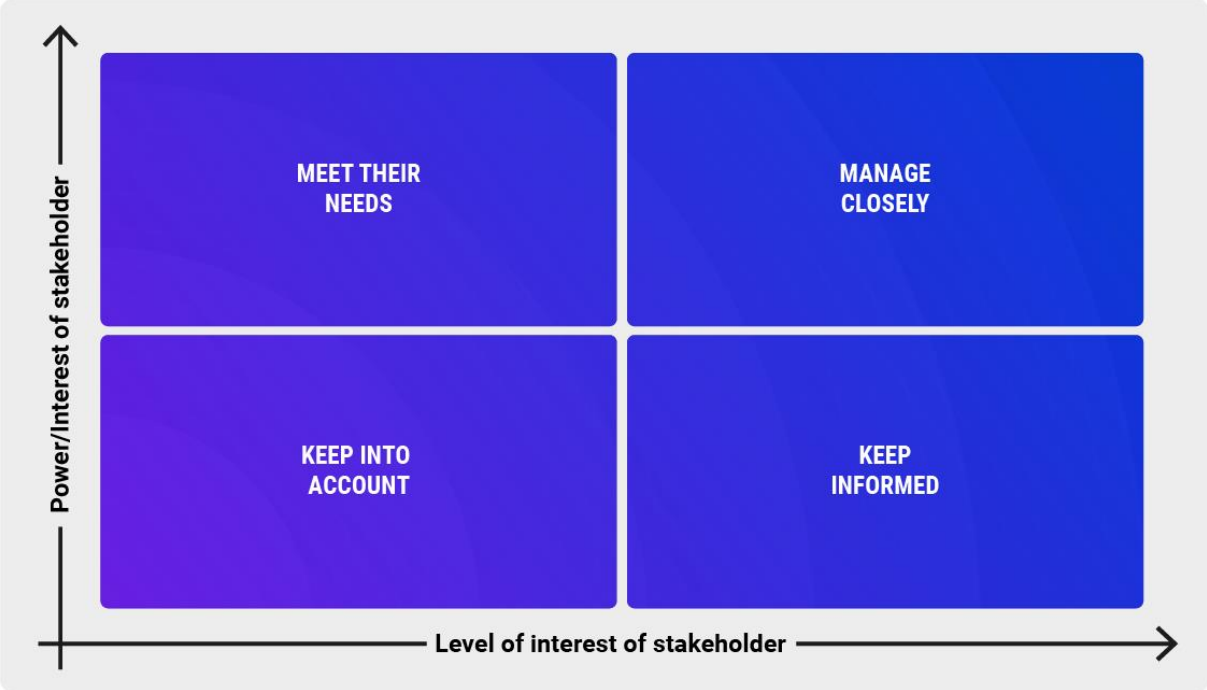

Figure 22: Stakeholder map

The x-axis represents a stakeholder's level of power or influence over the project while the y-axis indicates their level of interest in the project. A stakeholder's position on the map determines how the consortium engages with them, including the intensity and frequency of engagement. Periodically reevaluating, and, if needed, remapping the 6G-NTN stakeholders allows us to alter our messages and engagement strategies to best meet the stakeholders' interests and needs.

The identification and mapping of stakeholders supported the project success in several ways:

- By identifying relevant individuals, groups, or organizations that might impact or be impacted by the project, we made sure that no important group was overlooked.
- By classifying stakeholders based on their influence and interest, we were able to prioritize our engagement efforts to focus on those who have the most significant impact on the project or those who are most affected by project work and results.
- Understanding stakeholders' positions and interests made it easier to craft personalized communication strategies to ensure the right message reaches the right groups.

- By identifying potential areas of concern, resistance, or opposition early on, we were able to anticipate and address potential challenges proactively, before they become project risks.

The most relevant project stakeholders, their position on the stakeholder map, and the respective engagement strategies for each target group are described in the communication matrix presented in Table 2.

Table 2: 6G-NTN communication matrix

Target audience	Position on the stakeholders map	Outreach and engagement goals	Outreach and engagement instruments	Outreach frequency
Relevant R&I projects, especially within SNS JU, 6G-IA, IoT, Cloud, AI, and security contexts (e.g., 5G-STARDUST, HORSE, ETHER, HELENA)	This group of stakeholders has been placed on the "manage closely" square on the stakeholder map.	Create liaisons and synergies to foster sustainable cooperation.	Project content (white papers, deliverables news items, videos, posters) promoted via the project website and social media channels; Presentations and networking at relevant events; Distribution of printed promotional material at events; Invitations to project workshops and webinars; Publication of key findings and project results in open access journals.	Sharing research outputs on the project website and in online open source based databases (ad-hoc); Bi-weekly animation of social media channels; News items published on the project website bi-monthly; Newsletter sent out to subscribers three times per year; Synthesis of project deliverables published monthly on social media; Regular participation in the SNS JU, NetWorldEurope, 6G-IA and other commonly coordinated activities, e.g., monthly participation in the SNS Communication Task Force.
Industry, including telco operators, ICT vendors/providers, software developers, and players across various verticals	This group of stakeholders has been placed on the "manage closely" square on the stakeholder map.	Foster collaboration to integrate and enrich project outcomes and reinforce the NTN ecosystem with proper research outcomes, dissemination, and discussion	Project content (white papers, deliverables, news items, videos, posters) promoted via the project website and social media channels; Presentations and networking at relevant events; Distribution of printed promotional material at events; Invitations to project workshops and webinars; Publication of key findings and project results in open access journals.	Sharing research outputs on the project website and in online open source-based databases (ad-hoc); Presentations, meetings, and networking at relevant conferences (at least once per quarter); Synthesis of project deliverables published monthly on social media; Bi-weekly animation of social media channels; News items published on the project website bi-monthly; Newsletter sent out to subscribers three times per year.
SMEs, innovators, and startups especially in the space, satellite and wireless communication domains	This group of stakeholders has been placed on the "keep informed" square on the stakeholder map.	Support the creation of opportunities for new actors, especially SMEs and start-ups, to become part of the NTN ecosystem.	Project content (white papers, deliverables, news items, videos, posters) promoted via the project website and social media channels; Presentations and networking at relevant events; Distribution of printed promotional material at events; Publication of key findings and project results in open access journals.	Sharing research outputs on the project website and in online open source-based databases (ad-hoc); Presentations, meetings, and networking at relevant conferences (at least once per quarter); Synthesis of project deliverables published monthly on social media; Bi-weekly animation of social media channels; News items published on the project website bi-monthly; Newsletter sent out to subscribers three times per year.
Researchers	This group of stakeholders has been placed on the "keep	Extend the researchers' involvement in the NTN development and create liaisons and	Publication of key findings and project results in open access journals; Project content (white papers, deliverables, news items, posters, videos) promoted via the project website and social media channels;	Sharing research outputs on the project website and in online open source-based databases (ad-hoc); Presentations, meetings, and networking at relevant conferences (at least once per quarter);

	informed" square on the stakeholder map.	synergies to advance research and knowledge sharing.	Presentations and networking at relevant events; Distribution of printed promotional material at events; Invitations to project workshops and webinars.	Synthesis of project deliverables published monthly on social media; Bi-weekly animation of social media channels; News items published on the project website bi-monthly; Newsletter sent out to subscribers three times per year.
Public authorities, NTN and SatCom initiatives/fora, and policymakers (e.g., ESA, GOVSATCOM)	This group of stakeholders has been placed on the "manage closely" square on the stakeholder map.	Create liaisons to ensure information exchange and support NTN related policy definition.	Project content (white papers, deliverables, news items, videos, posters) promoted via the project website and social media channels; Presentations and networking at relevant events; Distribution of printed promotional material at events; Invitations to project workshops and webinars; Publication of key findings and project results in open access journals.	Sharing research outputs on the project website and in online open source-based databases (ad-hoc); Presentations, meetings, and networking at relevant conferences (at least once per quarter); Newsletter sent out to subscribers three times per year.
European and international initiatives, such as ADRA, AIOTI, BDVA, HPC, GAIA-X, FIWARE, etc.	This group of stakeholders has been placed on the "manage closely" square on the stakeholder map.	Create liaisons to promote cross-collaboration and leverage synergies with related activities.	Project content (white papers, deliverables, news items, videos, posters) promoted via the project website and social media channels; Presentations and networking at relevant events; Distribution of printed promotional material at events; Invitations to project workshops and webinars; Publication of key findings and project results in open access journals.	Sharing research outputs on the project website and in online open source-based databases (ad-hoc); Presentations, meetings, and networking at relevant conferences (at least once per quarter); Newsletter sent out to subscribers three times per year.
Standardization bodies and open source initiatives (e.g., 3GPP, ETSI, Open SatCom)	This group of stakeholders has been placed on the "manage closely" square on the stakeholder map.	Ensure proper definition of NTN-related standards.	Project content (white papers, deliverables, news items, videos, posters) promoted via the project website and social media channels; Presentations and networking at relevant events; Distribution of printed promotional material at events; Invitations to project workshops and webinars; Publication of key findings and project results in open access journals.	Sharing research outputs on the project website and in online open source-based databases (ad-hoc); Presentations, meetings, and networking at relevant conferences (at least once per quarter); Newsletter sent out to subscribers three times per year.
Civil society and the general public	This group of stakeholders has been placed on the "keep into account" square on the stakeholder map.	Raise awareness and interest in the subject of wireless communication and explain the importance of the EU investment into communication infrastructure technologies; Increase understanding of the importance and potential of Pan-European collaboration; Showcase what the public money is invested in and why (present benefits).	Engaging content published on the project website and social media channels (white papers, deliverables, news items, communication campaigns, videos); Publication of key findings and project results in open access journals.	Bi-weekly animation of social media channels; News items published on the project website bi-monthly; Newsletter sent out to subscribers three times per year; Sharing research outputs on the project website and in online open source-based databases (ad-hoc); Synthesis of project deliverables published monthly on social media.

By leveraging a multi-channel communication approach, the project was able to effectively communicate its objectives, work, and results while also promoting relevant initiatives and events and fostering synergies with relevant organizations and projects.

1.5 COMMUNITY BUILDING

Effective community building and the engagement of a broad range of stakeholders was a core objective of 6G-NTN, crucial for maximizing the project's impact, validating its research, and ensuring the future uptake of its results. The large and diverse community gathered around 6G-NTN is composed of key researchers and industrial players spanning multiple critical sectors.

That section is indeed quite brief. To expand the Community Building section for a final report, you should focus on why the community was important, how it was engaged, and the impact of this diverse collaboration.

The project strategically fostered a community that reflects the complex, cross-sectoral nature of 6G NTN. The 6G-NTN community composition includes experts from:

- Telecommunications (27.3%)
- Higher education (10.6%)
- IT services and IT consulting (7.2%)
- Research services (6.5%)
- Software development (5.1%)
- Semiconductor manufacturing (3.8%)
- Satellite telecommunications (3.1%)
- Communications equipment manufacturing (2.9%)
- Technology, Information and Internet (2.2%)
- Defense and Space Manufacturing (2.1%)

The composition of the community enabled the project to receive real-world feedback, ensuring the research was practical and relevant. The established network of stakeholders is expected to continue driving the research agenda and commercialization efforts related to NTN technology beyond the project's formal conclusion.

1.6 COOPERATION AND LIAISONS

The 6G-NTN consortium recognized the crucial importance of establishing and maintaining strategic liaisons within the broader Smart Networks and Services (SNS) ecosystem. This proactive collaboration was deemed essential for effectively exchanging knowledge, aligning research efforts, and amplifying the impact of initiatives aimed at fostering Europe's technological sovereignty.

Liaisons established within the SNS ecosystem serve multiple strategic purposes, including:

- **Fostering synergies**: By liaising on activities and strategic objectives across projects, we leverage collective and individual strengths and ensure that efforts are complementary and mutually reinforcing, thereby maximizing impact.

- **Knowledge sharing**: Collaboration facilitates the exchange of insights, best practices, and lessons learned, fostering innovation and efficiency across projects.
- **Resource optimization**: Through shared initiatives and resources, projects can achieve more while avoiding the duplication of efforts.
- **Community building**: Engaging with a broader network of stakeholders strengthens and grows the SNS community, promoting a cohesive vision for Europe's technological leadership.

Coordination with Relevant Initiatives: 6G-NTN was committed to maximizing outreach and impact through leveraging existing networks and partnerships of its members and has successfully established close coordination with various standardization bodies, industry forums, and national/international associations, including, but not limited to, 3GPP, ETSI, 6G-IA (and its pre-standardization working group), one6G, and the Satellite Special Interest Group (SSIG), which is led by Nicolas Chuberre, the 6G-NTN Technical Manager. These liaisons have been detailed and expanded in deliverables D6.3 D6.5.

Synergies within SNS JU: The project has also ensured close coordination with related EU-funded projects, facilitating knowledge transfer and preventing duplication of efforts. Special focus has been given to the 6G SNS ecosystem. Active participation and alignment with the broader SNS ecosystem have been achieved through synchronization of outreach efforts, coordination via monthly SNS Communication Task Force meetings, the Steering Board Group, the Technical Board Group, the Architecture Working Group, and the Sustainability Task Force. Collaborative tools and processes, including mailing lists, online meeting tools, and periodic physical meetings (co-located with major community events, like the EuCNC & 6G Summit, have further ensured cohesion within the larger 6G community.

As part of the collaboration with ICT-52 and SNS projects, 6G-NTN:

- co-organized a workshop on integrated 6G architectures with UNITY-6G and 5G-STARDUST at IEEE PIMRC 2025 in Istanbul,
- co-organized a workshop titled "Terrestrial and non-terrestrial networks unification towards 6G" in collaboration with the projects 5G-STARDUST, ETHER, Hexa-X-II, NexaSphere, and several other European Space Agency (ESA) projects at the EuCNC & 6G Summit 2025,
- coordinated several joint presentations with the other SNS JU NTN-related projects, 5G-STARDUST and ETHER, at the EuCNC & 6G Summit 2024,
- presented at the online Hexa-X-II webinar (February 13-14, 2024) – Nicolas Chuberre, 6G-NTN Technical Project Coordinator presented the 6G-NTN progress on the system view and architecture for 6G,
- presented at the SNS projects-wide workshop organized by Hexa-X-II (January 26, 2024),
- co-organized a bilateral workshop on architecture and technologies with Hexa-X-II (January 22, 2024) – project partners presented the use cases, architecture, radio interface design drivers and the standardization roadmap,
- presented at the Hexa-X architecture workshop at the EuCNC & 6G Summit 2023 – Alessandro Vanelli-Coralli, 6G-NTN Project Coordinator presented the 6G-NTN objectives and initial architecture for 6G,
- coordinated several joint presentations with the other SNS JU NTN-related projects, 5G-STARDUST and ETHER, at the EuCNC & 6G Summit 2023,

with the aim of providing valuable insights and stimulating fruitful discussions on NTN, enriched by perspectives of other 6G ecosystem stakeholders from various world regions.

Moreover, 6G-NTN collaborated with the Coordination and Support Action INPACE through joint promotional activities and speaking engagements. The project contributed to the INPACE-organized workshop *"6G Horizons: Synergies for a Connected Future"* held on April 1, 2025 during the EU-Japan Digital Week. At the event, the project coordinator, Alessandro Vanelli-Coralli from the University of Bologna, delivered a presentation highlighting the project and its key achievements. Finally, the 6G-NTN Project Coordinator has served as a member of the Advisory Board of Hexa-X-II, which facilitated the establishment of a permanent liaison with this SNS flagship project.

2 IMPACT ASSESSMENT

The 6G-NTN consortium defined a comprehensive set of communication and dissemination KPIs (Table 3) to monitor the progress of impact creation activities and ensure the strategy remained effective throughout the project's execution. This performance monitoring framework served two primary purposes: to quantitatively measure outreach success and to provide necessary feedback for strategic mid-course adjustments.

The final results, as detailed in Table 3, demonstrate that the project consistently met or, in numerous cases, significantly surpassed the initial targets set for the project duration. These achievements underscore the effectiveness and broad reach of the strategy and the project's success in building a strong community footprint. Notable achievements include:

- **Exceptional digital visibility (website traffic):** 6G-NTN achieved significant website traffic, recording over 37,5K visits and 92K page views. This high level of sustained traffic confirms the website's success as the primary resource hub for project documentation and results.
- **Social media engagement:** 6G-NTN gathered a large and highly engaged LinkedIn follower base of over 4,250 followers. This achievement is particularly noteworthy as the 6G-NTN follower base was substantially larger than that of any comparable SNS JU project, setting a benchmark for community reach and underscoring the success of its tailored professional communication strategy.
- **Strategic global presence (attended events):** The consortium ensured the project promotion and dissemination of core results by actively attending and presenting at numerous high-profile international events across the world. This strategic presence at conferences and workshops maximized 6G-NTN's exposure, directly transferring knowledge to experts and decision-makers.
- **Successful stakeholder mobilization (organized events):** 6G-NTN demonstrated successful community engagement through the planning and execution of multiple high-impact events, solidifying the project's community footprint and facilitating key knowledge transfer.

Beyond quantitative compliance, the impact assessment confirms the creation of lasting strategic value:

- **Fostering technological sovereignty**: By establishing strong liaisons across the Smart Networks and Services (SNS) ecosystem, 6G-NTN maximized synergistic collaboration. The project's high-visibility results demonstrably contributed to the collective European effort to achieve technological leadership and sovereignty in the critical field of 6G communication.
- **Validation of project outputs**: The high level of engagement from the 6G-NTN community (as reflected in webinar attendance, paper downloads, and LinkedIn statistics) provided external validation for the work conducted within 6G-NTN.

In conclusion, the successful performance against the defined KPIs confirms the effectiveness of the communication and dissemination strategy in transforming research outputs into measurable external impact and securing a prominent position for 6G-NTN within the global 6G landscape.

Table 3: 6G-NTN communication & dissemination KPIs

Measure	Indicator	Target at M36	Status at M18	Status at M36
Project website	N. of visits	≥ 3000	13,3K visits 30,6K page views	37,5K visits 92K page views
Social media	N. of followers	Twitter ≥ 500	314	336
		LinkedIn ≥ 150	2'450	4'268
Promotional materials	N. of project presentations	≥ 6	>20	>60
	N. of flyers	≥ 3	2	2
	N. of posters / roll-ups / banners	≥ 3	2	2
Publications	N. of scientific publications	≥ 15	12	26
	N. of White Papers	≥ 3	1	2
Press releases	N. of published press releases	≥ 5	1	4
Newsletter	N. of distributed newsletters	9	4	9
Videos	N. of published videos	≥ 6	5	6
	Overall N. of views	≥ 3000	1K	2.3K
Organized events	workshops	≥ 5	2	5
	webinars	≥ 3	1	1
	tutorials	≥ 3	0	1
	demos	≥ 3	0	0
	others	-	-	2
Participation to external events (with presentations)	N. of external events partners attended to promote the project	≥ 3/year	>20 (total, over the first 18 months of the project)	>60 (over the course of the project)

3 PROMOTION BEYOND PROJECT DURATION

Project website

To maximize the legacy and accessibility of the research conducted, the 6G-NTN consortium will maintain the project website for a period of at least 36 months following the completion of the project. The website will serve as a stable and permanent repository of the collective knowledge generated by the consortium, ensuring that stakeholders and the public can easily access and make use of the project results well into the future.

In addition, a comprehensive media kit will be made available through the website. This kit will include general information about the project and its results, official press releases, visual assets, and contact details.

6G-NTN LinkedIn account

The 6G-NTN LinkedIn profile will remain online and accessible for a minimum of 12 months following the project's conclusion. The profile's main function is to serve as an archive and professional reference point, featuring a clear indication that the project has formally ended. While the channel will not be actively animated, the managing partner will occasionally reshare relevant post-project publications to maintain the visibility of the research outcomes. Should follow-up initiatives be launched, the 6G-NTN consortium will consider allowing them to take over the 6G-NTN LinkedIn channel.

Long-term retention of 6G-NTN publications and public deliverables

Besides being featured on the project website, all project publications and public deliverables will remain available on Zenodo, within the 6G-NTN community to ensure their long-term retention. All records and their associated metadata will be retained for the life of the Zenodo repository, which is expected to continue for at least the next 20 years, as long as its host, CERN, continues its experimental programs.

Features on partners organizational channels

All 6G-NTN partners will feature information about the conclusion of the project on their own corporate/organizational channels such as websites, social media, newsletters, and/or annual reports.

To facilitate this process, Martel, as a WP leader will provide all partners will a final promotional package, including a press release about the project conclusion, a one-page project summary, an animated project explainer video, and 2-3 high-resolution graphics.

Promoting 6G-NTN at future events

To ensure that the 6G-NTN work reaches a targeted audience of global experts and researchers long after the project's conclusion, the project results will be promoted by the consortium members at high-profile events such as the one6G Open Lecture 11 taking place on January 22, 2026 online, the Mobile World Congress 2026 planned for March 2-5, 2026 in Barcelona, Spain, EuCNC & 6G Summit 2026 planned for June 2-6, 2026 in Malaga, Spain, and Space Tech Expo planned for November 17-19, 2026 in Bremen, Germany.

Besides, DLR will also promote the project's impactful outcomes at the "Workshop on Massive IoT Connectivity in Non-Terrestrial Networks: Challenges and Opportunities," which they are

co-organizing at the prestigious IEEE International Conference on Communications (ICC) in May 2026.

Leveraging 6G-NTN work in future innovation activities

To maximize the strategic impact and continuity of the research, 6G-NTN partners commit to leveraging the project's success in their future innovation activities. Specifically, partners will proactively cite 6G-NTN, its methodologies, and key results in future project proposals submitted for EU, national, and international funding. This will demonstrate a proven track record, validate the foundations for new research, and ensure the 6G-NTN's work is built upon to further advance the field.

4 CONCLUSIONS

This deliverable confirms the comprehensive execution and outstanding performance of the 6G-NTN Impact Creation Strategy and Plan across the entire project lifecycle. Throughout the project's 36-month duration, the strategy not only remained on track but successfully delivered against the KPIs defined prior to launch, significantly surpassing several initial objectives. This success was a direct result of the continuous, proactive engagement and contributions from all 6G-NTN project partners.

The project's communication and dissemination efforts achieved the following primary outcomes:

- **High visibility dissemination**: We successfully brought a significant volume of research results closer to the public. Through rigorous adherence to the Horizon Europe Open Access guidelines, all scientific publications and public deliverables are freely and permanently available, ensuring the broad and lasting utilization of 6G-NTN's findings.
- **Targeted stakeholder engagement**: The strategic cultivation of a diverse community, including academic, industrial, and standardization experts resulted in a robust feedback loop. This engagement ensured that research outputs were validated against real-world requirements and policy constraints, maximizing the relevance and potential for market uptake of the 6G-NTN solutions.
- **Digital footprint and legacy**: The project website and social media channels were meticulously maintained as persistent hubs for project information. Strategic attention to SEO and cross-referencing ensured high visibility and successfully drove significant traffic, establishing a valuable and lasting digital legacy for the consortium’s work.

The commitment to regular monitoring and rapid strategic adjustment against KPIs allowed the consortium to quickly identify and capitalize on outreach and impact creation opportunities.

The successful execution of the strategy helped the 6G-NTN consortium ensure that the technical advancements and architectural concepts pioneered by the project are integrated into the global conversation on 6G development, providing a strong foundation for future research and standardization efforts.

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