



Press release

October 30, 2025

5G-STAR DUST joins Fraunhofer's 5th NTN Workshop in Berlin

On the 6th of November, the [5G-STAR DUST](#) project is going to take part on several levels to the [5th NTN Workshop](#) organised by consortium partner [Fraunhofer FOKUS](#) in their Berlin premises - which will take stock of the latest developments in the quest to create a unified Terrestrial-Non-Terrestrial system for the future of connectivity.

The event

The workshop – jointly organised by Fraunhofer FOKUS with European Space Agency and Eurescom - brings together mobile and satellite network operators, integrators, technology providers, and academia in a collaborative setting to present and openly discuss the evolution of the Non-Terrestrial Networks (NTN) domain. With 3GPP 6G standardisation now underway, this moment marks a decisive turning point, as, for the first time, NTN communication is fully embedded in the standardisation process from the get-go. The workshop is structured around key presentations, expert panels, and live demonstrations, highlighting the roles of newly available laboratory infrastructure, space assets, and cost-effective testbeds as foundations for experimentation and validation. As a recognised industry forum, the NTN Workshop focuses on unification by bridging Terrestrial and Non-Terrestrial sectors and harnessing the momentum created by 6G and O-RAN standardisation to shape new ecosystems and accelerate cross-industry convergence.

5G-STAR DUST's presence

5G-STAR DUST will be highlighted onstage in the afternoon segment of the workshop, dedicated to the long-term TN-NTN research perspective: Project

Coordinator Tomaso de Cola, from [German Aerospace Center \(DLR\)](#), will be talking about the role of AI in giving NTN a boost to the next level, while partner Alessandro Guidotti of [Consorzio Nazionale Interuniversitario per le Telecomunicazioni \(CNIT\)](#) and University of Bologna will be covering challenges and innovation for future 6G NTN.

[The full programme for the day is available on the event's webpage](#)

5G-STARBUST will also have a booth within the event's exhibition area – alongside fellow [SNS JU](#) project [ETHER](#) – showcasing our latest developments and a planned demonstration.

About the project

5G-STARBUST's ambition is to deliver a fully integrated 5G-NTN autonomous system with novel self-adapting end-to-end connectivity models for enabling ubiquitous radio access. To this aim, the project will design, develop, and demonstrate a flexible satellite system integrated with the terrestrial infrastructure by means of self-organised network architecture, and will deliver an innovative framework to support the operation of multi-orbit constellations, with transparent and regenerative space nodes, to deliver 5G/6G NTN services.

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