



# 6G-VERSUS

## NEWSLETTER

*ISSUE 5*

JANUARY - MARCH 2026

### 6G Vertical Trials for Sustainability



Co-funded by  
the European Union

Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or SNS JU. Neither the European Union nor the granting authority can be held responsible for them.

6G-VERSUS has received funding from the Smart Networks and Services Joint Undertaking (SNS JU) under the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101192633



## Communication & Dissemination Activities

### 6G-VERSUS at Mobile World Congress 2026

The 6G-VERSUS project participated for the second consecutive year at Mobile World Congress 2026. Our participation was announced through a dedicated [press release](#), highlighting our presence in Barcelona.

During the event, the project was engaged with around 50 visitors who stopped by the ONESOURCE booth to explore its vision for future 6G ecosystems.

A key highlight of our presence was the ONESOURCE Mobitrust demo, which attracted significant interest and effectively showcased the work carried out within the Portuguese Pilot.



Discussions focused on the project’s ongoing work and the potential impact of its use cases on the adoption of 6G technologies, emphasizing how experimentation and real-world validation can accelerate the transition toward next-generation connectivity.

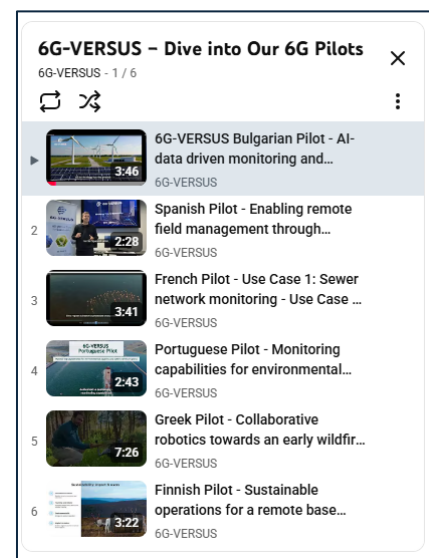
We were also honored to welcome Mr. Pavlos Fournogerakis, Deputy Head of Programmes, who visited the booth and engaged with the team.



The booth also featured six newly developed videos presenting the project’s six pilots, alongside new [leaflets](#), offering visitors multiple ways to discover 6G-VERSUS activities and progress.

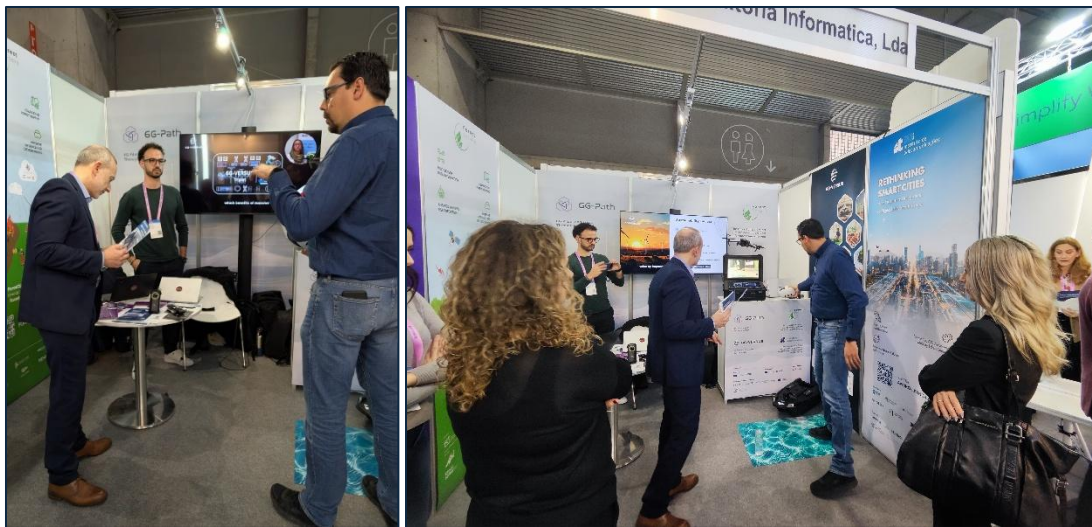
During the event, we:

- Pre-announced the [6G-VERSUS Venture Accelerator Program](#) through a dedicated leaflet.
- Presented [six pilot videos](#) highlighting the project’s trial environments and use cases in a friendly to the wider audience way.
- Introduced the [Value-Driven Sustainability and Impact Assessment](#) leaflet, outlining the **framework for sustainability impact evaluation**.



At the ONESOURCE stand, 6G-VERSUS was showcased alongside other innovative EU initiatives, including 6G-PATH and ForestSphere, demonstrating the strength of Europe’s collaborative ecosystem in advancing next-generation 6G research and real-world experimentation.

Participation in Mobile World Congress 2026 provided an excellent opportunity to connect with the global telecom community, share our progress, and demonstrate how 6G-VERSUS contributes to shaping a sustainable 6G future in Europe.



 Event: <https://www.mwcbarcelona.com/>

---

### **6G-VERSUS at the event ‘The Role of Mission Ocean to Support the Business Community: Nature-based Solutions for Ports’**

On the 20<sup>th</sup> of January 2026, 6G-VERSUS was presented at an event in Aveiro, Portugal, dedicated to exploring the role of the EU Mission “Restore our Ocean and Waters” in supporting the business community and promoting nature-based solutions for ports.

The event, titled “The Role of Mission Ocean to Support the Business Community: Nature-based Solutions for Ports”, was hosted by **Administração do Porto de Aveiro (APA)**, a partner actively engaged in initiatives aligned with the EU Mission Ocean objectives.

The European Commission was represented by Ms. Andreea Strachinescu, Head of the Research, Innovation and Investments in the Marine and Maritime Sectors Unit at the

Directorate-General for Maritime Affairs and Fisheries. The event brought together members of the Port Community, fostering discussion among diverse stakeholders and reflecting the heterogeneity of perspectives, priorities, and approaches within the port's ecosystem.

During the event, Paulo Martins from **JSIO** presented the scope and pre-trialing activities carried out within the 6G-VERSUS project in the Portuguese cluster. The presentation focused on advanced monitoring of water quality and marine litter through the use of B5G and 6G technologies. These activities are being implemented in collaboration with Onesource, ITAv, and IPN, contributing to innovation-driven environmental sustainability in port environments.



## 6G-VERSUS was featured at the SNS4SNS Event

The 6G-VERSUS project, as part of the [OpenCAPIF research ecosystem](#), leverages OpenCAPIF to support experimentation, prototyping, and validation of CAPIF-compliant APIs for both research and industry.

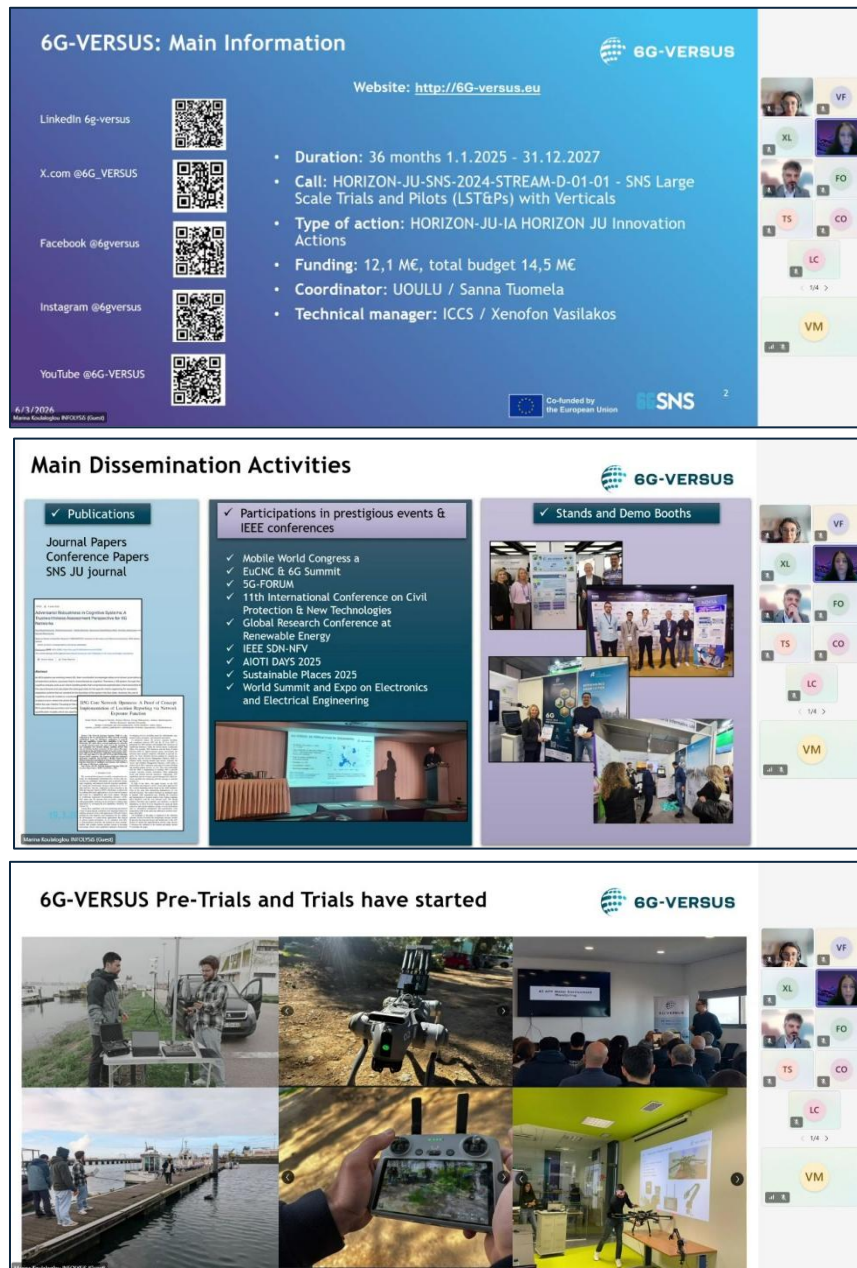


On 2 February 2026, at ETSI HQ in Sophia Antipolis, the tutorial session “*SDG OpenCAPIF: Implementing CAPIF-Compliant API Invokers and Providers Using the OpenCAPIF SDK and Templates*” provided participants with a hands-on introduction to the platform. Led by Jorge Moratinos (Telefónica) alongside Pelayo Torres and Stavros Charismiadis (Fogus Innovations and Services P.C.), the session guided attendees through building and onboarding CAPIF-compliant API invokers and providers, publishing and discovering APIs, and integrating services within an OpenCAPIF ecosystem in line with 3GPP procedures.

🔗 Event: <https://www.etsi.org/events/2501-etsi-sns4sns-event-2>

## 6G-VERSUS was presented at SNS JU COMMS Working Group

On March 19, 2026, Marina Koulaloglou from INFOLYSiS presented the 6G-VERSUS project at the SNS JU COMMS Working Group monthly online meeting. In addition to the overall project overview, she provided insights into key technical aspects, including the 6G pilots, the triplet application concept, and the project architecture. She also shared an update on communication and dissemination activities, along with an overview of upcoming actions and planned events.



The screenshot shows a Zoom meeting interface with a presentation slide on the left and a participant grid on the right. The presentation consists of three slides:

### 6G-VERSUS: Main Information

Website: <http://6g-versus.eu>

- Duration: 36 months 1.1.2025 - 31.12.2027
- Call: HORIZON-JU-SNS-2024-STREAM-D-01-01 - SNS Large Scale Trials and Pilots (LST&Ps) with Verticals
- Type of action: HORIZON-JU-IA HORIZON JU Innovation Actions
- Funding: 12,1 M€, total budget 14,5 M€
- Coordinator: UOULU / Sanna Tuomela
- Technical manager: ICCS / Xenofon Vasilakos

6/13/2026 Marina Koulaloglou (6G-VERSUS) SNS

### Main Dissemination Activities

- Publications**
  - Journal Papers
  - Conference Papers
  - SNS JU Journal
- Participations in prestigious events & IEEE conferences**
  - Mobile World Congress a
  - EuCNC & 6G Summit
  - 5G-FORUM
  - 11th International Conference on Civil Protection & New Technologies
  - Global Research Conference at Renewable Energy
  - IEEE SDN-NFV
  - AIO11 DAYS 2025
  - Sustainable Places 2025
  - World Summit and Expo on Electronics and Electrical Engineering
- Stands and Demo Booths**

6/13/2026 Marina Koulaloglou (6G-VERSUS) SNS

### 6G-VERSUS Pre-Trials and Trials have started

The slide features a collage of six images:
 

- Top-left: A person in a lab coat working with equipment outdoors.
- Top-middle: A small robot on a dirt path.
- Top-right: A person presenting to an audience in a meeting room.
- Bottom-left: A person on a boat with a large antenna.
- Bottom-middle: A hand holding a drone controller with a screen showing a 3D model.
- Bottom-right: A person in a lab coat working with equipment in a lab.

6/13/2026 Marina Koulaloglou (6G-VERSUS) SNS

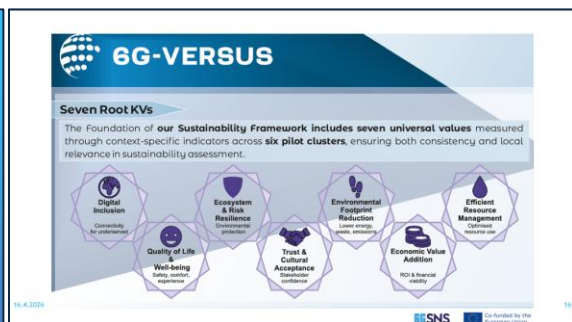
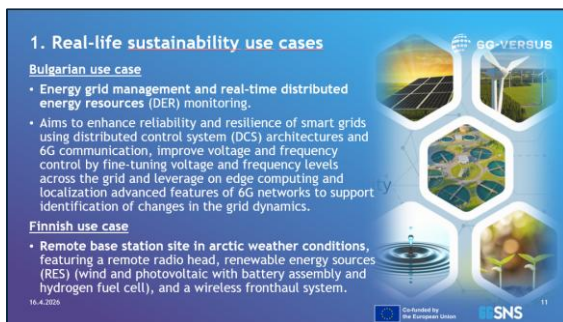
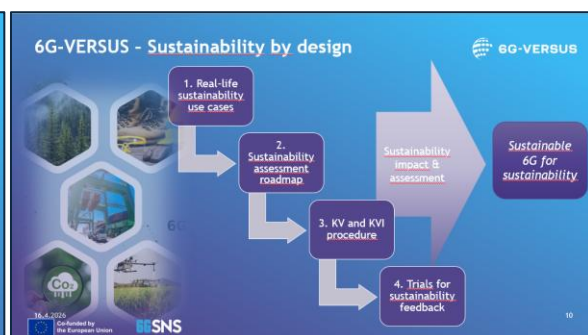
## 6G-VERSUS participated at ‘Green Charter and Sustainability’ in 6G’ Webinar

On the 24<sup>th</sup> of March 2026, the [MSCA-AeroNet](#) project successfully hosted an engaging webinar on “Green Charter and Sustainability in 6G”, bringing together researchers and experts to explore how next-generation networks can enable a more sustainable digital future.



Our Project Coordinator, Dr. Sanna Tuomela from the University of Oulu, delivered a presentation titled “Sustainable by Design: Transforming Vertical Use Cases Through 6G Technologies.” Her talk introduced our project and highlighted how sustainability principles can be embedded into 6G-enabled solutions from the outset.

The webinar gathered leading research and innovation initiatives focused on sustainability in the evolution toward 6G. Discussions covered green practices in EU-funded projects, including SNS JU initiatives such as AMBIENCE-6G and SUSTAIN-6G, as well as the interplay between intelligence, efficiency, and sustainability in next-generation networks, and the importance of accountable sustainability frameworks.



## **6G-VERSUS First Semester 2026: Pre-Trials & Trials Highlights**

### **Portuguese Cluster Pre-Trials & Trials – Port of Aveiro premises**

**Partners:** OneSource, IT Aveiro, JSIO, Instituto Pedro Nunes (IPN), Porto de Aveiro Administration (APA).


**14 January 2026:** Pre-trial session at the Port of Aveiro. Activities included end-to-end connectivity tests, real-time data exchange, AI-based processing, and application-layer coordination. Workflow rehearsals confirmed technical stability and readiness.

**12 February 2026:** First official Portuguese trial on maritime port operations. Highlights included solar-powered smart buoys for water quality monitoring, Onesource V-App, N-App, and AI-App for drone and RC boat operations, and structured stakeholder feedback.

**11 March 2026:** Pre-trial session for the second set of Portuguese trials. System integration, connectivity validation, and AI-based processing were refined ahead of the full trial.

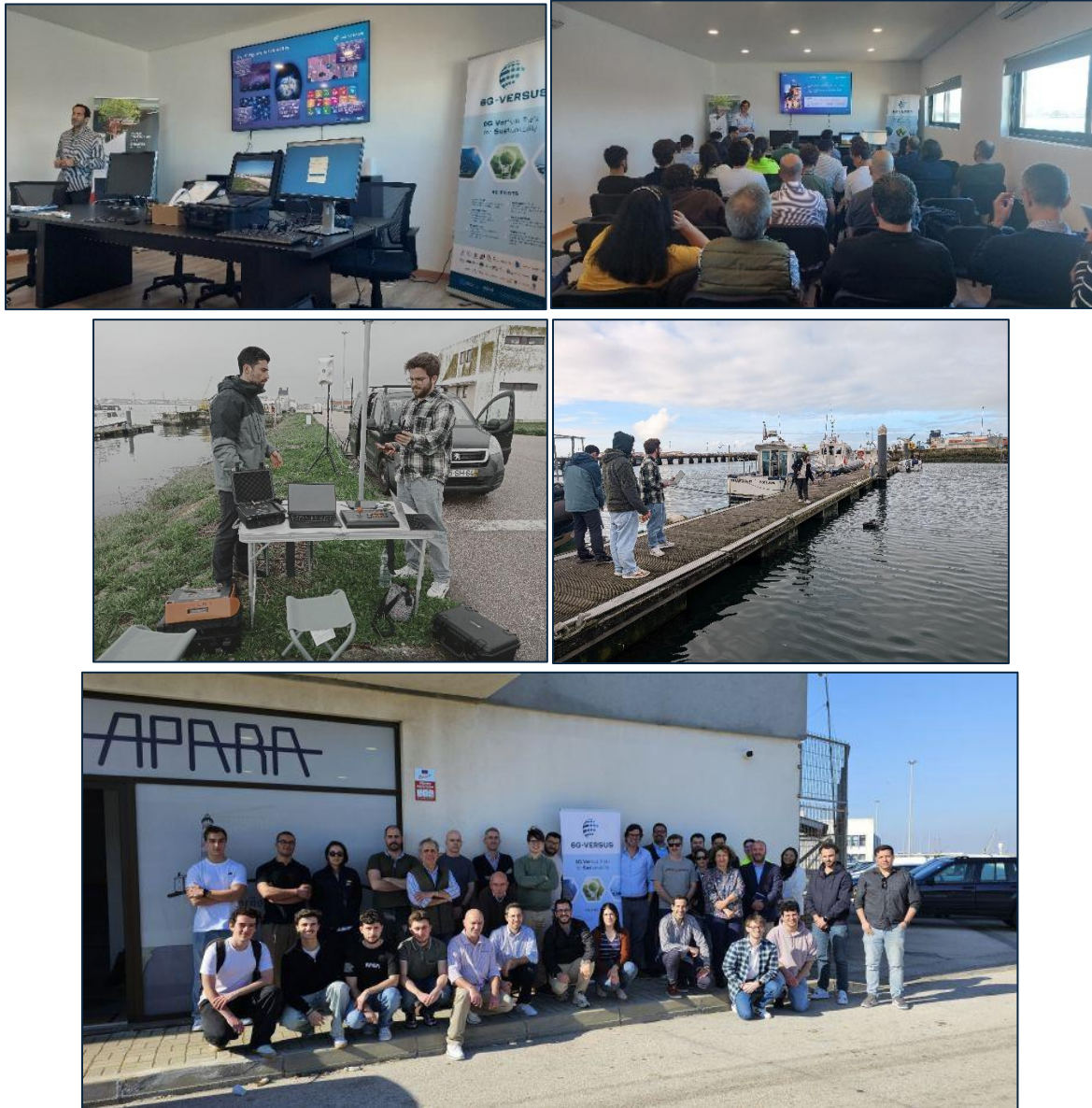
**25 March 2026:** Second Portuguese trial at the Port of Aveiro. Key highlights included:

- **AI-driven safety and logistics:** Machine learning system detecting trucks carrying hazardous materials, automated alerts, and queue reduction. OneSource’s Mobitrust platform is integrated with ITAV’s AI system for real-time hazard notifications.
- **Energy-aware infrastructure:** Smart lighting and AI-driven EV charging dynamically optimized based on user location and renewable energy availability.
- **Operational impact:** Stakeholders provided feedback via surveys; Key Value Indicators (KVI) such as renewable energy usage and road safety were assessed.

 **Outcome:** Demonstrated safer, greener, and smarter port operations with measurable societal and environmental impact.



**YouTube links for the Portuguese Pilot: [Portuguese Pilot](#) , [The Environmental Monitoring Scenario](#).**



**Spanish Pilot Pre-Trials & Trials – Málaga & La Mayora premises**

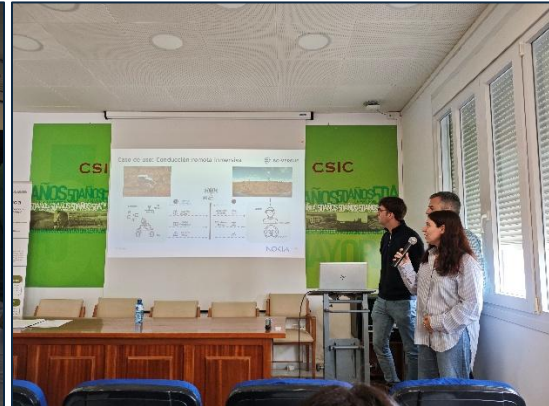
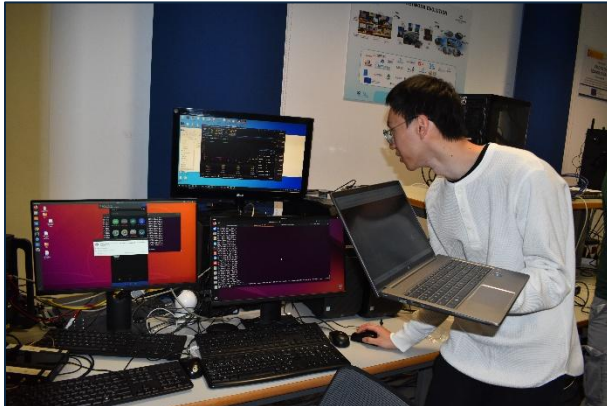
**Partners:** University of Malaga, CSIC, Nokia, Keysight, HPE

**2 February 2026:** Lab-based trial at ITIS UMA, led by University of Malaga (UMA) and Keysight Technologies, with ~20 visitors including external researchers and students.

Demonstrations included core network and UE energy profiling, P4 UPF SDN implementation, integrated sensing, drone control, and robotic arm integration.

**19 March 2026:** Field trial at IHSM La Mayora, conference on sustainable subtropical fruit tree management.

✓ Outcome: Showcased immersive telepresence for remote vehicle control and monitoring of crops and reclaimed water for precision agriculture





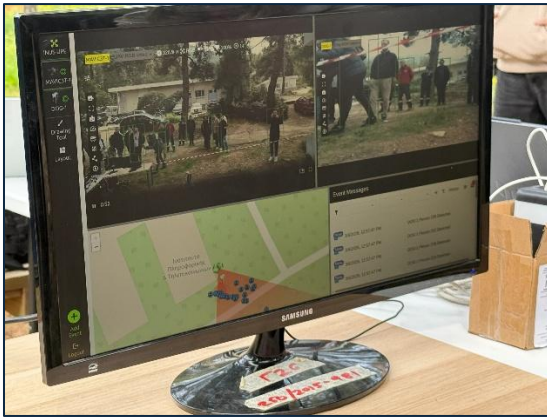
YouTube links for the Spanish Pilot: [Spanish Pilot](#) , [Advancing 6G Innovation in Agriculture at La Mayora, Spain, Spanish Pilot 1<sup>st</sup> Pilot Event](#)

### **Greek Pilot First Trial at NCSR “DEMOKRITOS” premises**

**Partners:** I-SENSE Group / ICCS, FRONT Research Group / NCSR “DEMOKRITOS”, OTE Group of Companies, INFOLYSiS, Hellenic Rescue Team of Attica.

**6 March 2026:** The trial focused on AI-enabled early wildfire detection and collaborative robotics, combining UAVs, robotic platforms and advanced communication networks to enable near real-time situational awareness, improved coordination of rescue teams and safer operations in remote forest areas.

✅ **Outcome:** AI-enabled early wildfire detection, collaborative robotics, near real-time situational awareness, and improved coordination of rescue teams. Validated the 6G application framework (V-App, N-App, AI-App) in real-world conditions.



 YouTube links for the Greek Pilot: [Greek Pilot](#), [Greek Pilot 1<sup>st</sup> Pilot Event](#)

## Finnish Pilot First Trial – University of Oulu premises /online

**Partner:** University of Oulu

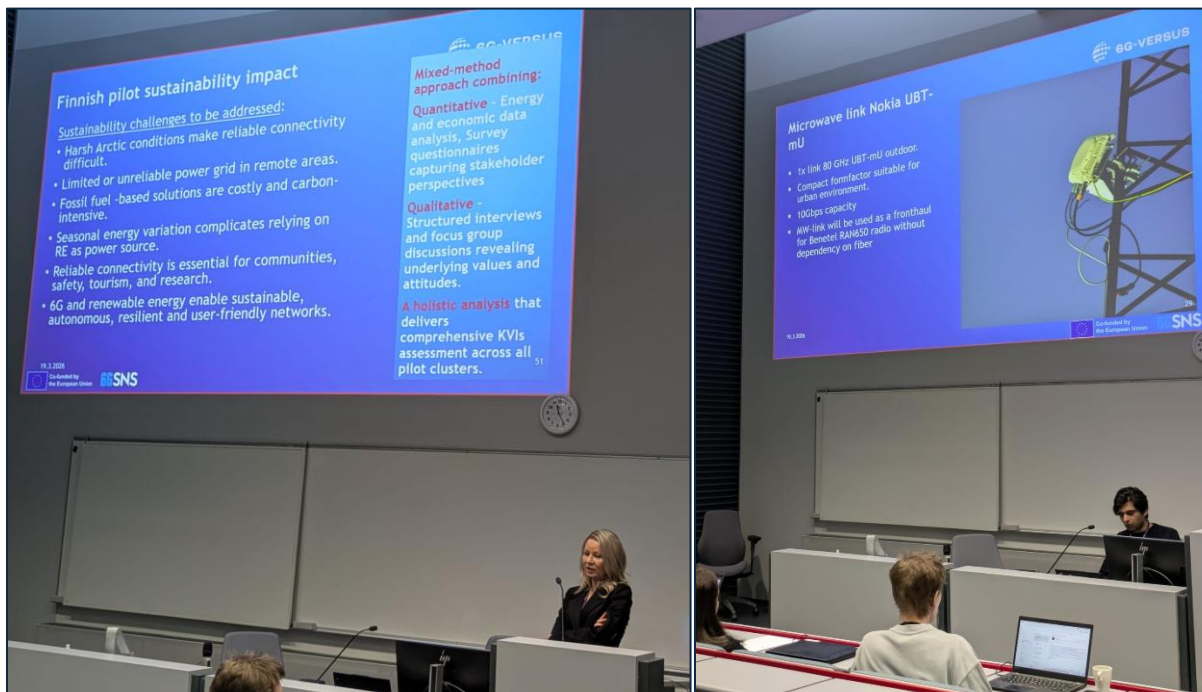
**19 March 2026:** The trial focused to present Finnish pilot architecture, energy-balancing simulation, sustainability approach, and gather stakeholder feedback through an anonymized questionnaire.

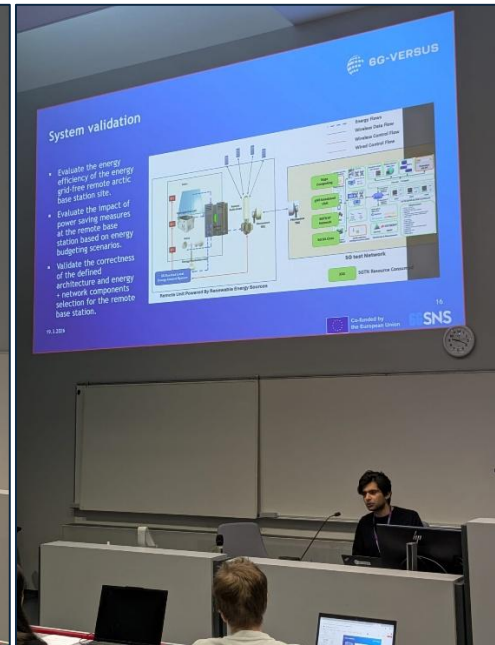
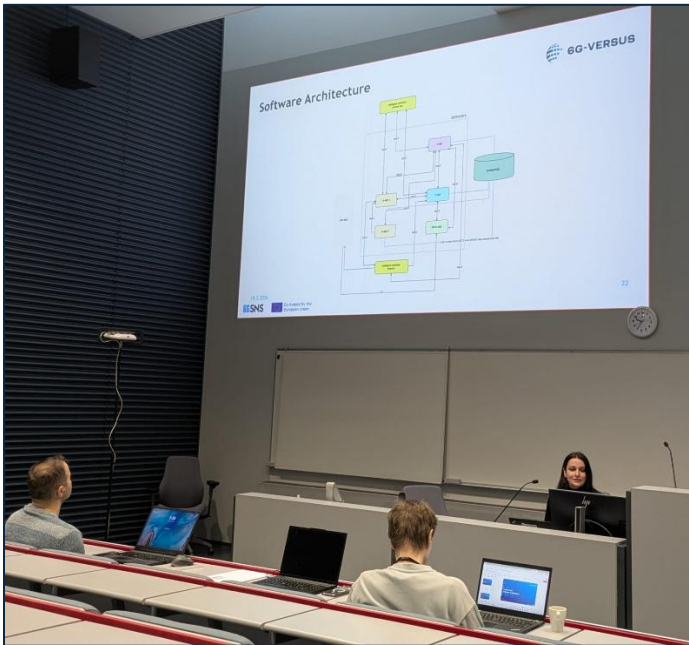
### Key highlights:

1. Real-time monitoring of energy production and consumption, with external meters for precise energy budgeting.
2. 48-hour energy weather forecast.
3. AI-based energy-aware decision-making for network and vertical applications.
4. Proactive network parameter tuning and adaptation to energy and traffic conditions.

**30** people participated in the workshop, 17 onsite and 13 online. Stakeholders were primarily researchers with expertise in wireless technologies, slightly less experienced in sustainability aspects.

✅ **Outcome:** Validated initial architecture and stakeholder engagement, confirming the Finnish pilot’s approach for sustainable and AI-enhanced remote network sites.





 **YouTube links for the Finnish Pilot: [Finnish Pilot](#)**

## Bulgarian Pilot First Trial – New Bulgarian University

**Partners:** Entra Energy, A1 Bulgaria, KIOS Research and Innovation Center of Excellence, Software Company Ltd.

**19 March 2026:** The trial focused on AI-driven Wide Area Monitoring and Control (WAMC) of Distributed Energy Resources (DERs) for smart and resilient energy systems.

### Key highlights:

1. Initial validation of the AI-driven WAMC concept for distributed renewable energy sources
2. Demonstration of the 6G application framework (V-App, N-App, AI-App), including real-time data flow between vertical applications and field assets
3. Integration of diverse energy assets, including PMU measurements, wind turbine data, and battery energy storage system (BESS) simulation
4. Testing of 5G-enabled communication scenarios, from baseline to advanced configurations
5. Real-time monitoring and control capabilities for improved grid stability and efficiency

The trial brought together students, researchers, and industry professionals, fostering discussions on the role of 6G/B5G in the energy sector.

✅ **Outcome:** The first trial confirmed the feasibility of AI-driven, 6G-enabled energy monitoring and control, marking an important step toward smarter, greener, and more resilient power systems.





YouTube links for the Bulgarian Pilot: [Bulgarian Pilot](#)

Visit our website for more information on our project

<https://6g-versus.eu/>

## 6G-VERSUS 4<sup>th</sup> General Assembly

On 20–21 January 2026, the 6G-VERSUS project successfully convened its 4<sup>th</sup> General Assembly in Sofia, Bulgaria, graciously hosted by **A1 Bulgaria**.

Across two highly productive days, partners participated both in person and remotely to review project progress, coordinate upcoming technical activities and dissemination efforts, and reinforce collaboration across work packages. The meeting was marked by engaging discussions, meaningful technical exchanges, and a strong team spirit that continues to propel the project forward.

A sincere thank you to all partners for their active involvement, insightful contributions, and ongoing dedication to advancing 6G innovation.



## Inside the 6G-VERSUS Pilots: Innovation for a Better Tomorrow

The new 6G-VERSUS video series showcases the six 6G Pilots, bringing their vision closer to a wider audience, both technical and non-technical. Through these videos, we aim to clearly explain what each pilot seeks to achieve, why 6G matters, and how it can shape a more sustainable future. Beyond technological innovation, the series highlights the broader environmental, societal, and economic impacts of 6G, illustrating its potential to drive meaningful change across multiple dimensions of our lives.



[BULGARIAN PILOT](#)



[SPANISH PILOT](#)



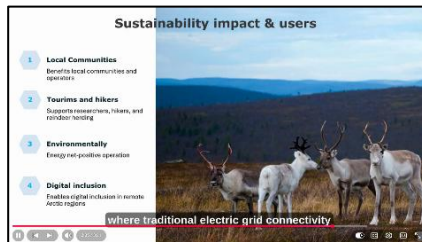
[FRENCH PILOT](#)



[PORTUGUESE PILOT](#)



[GREEK PILOT](#)



[FINNISH PILOT](#)

**YouTube - DIVE Into our 6G Pilots:**



<https://www.youtube.com/@6G-VERSUS/playlists>

## NEW COMMUNICATION MATERIAL

<https://6g-versus.eu/communication-material/>



**6G-VERSUS Training Programme**  
Building capacity for sustainable 5G/6G innovation, experimentation and impact

100% Online  
Problem-Based Learning  
**2 ECTS**  
60 hours

**Programme at a glance**

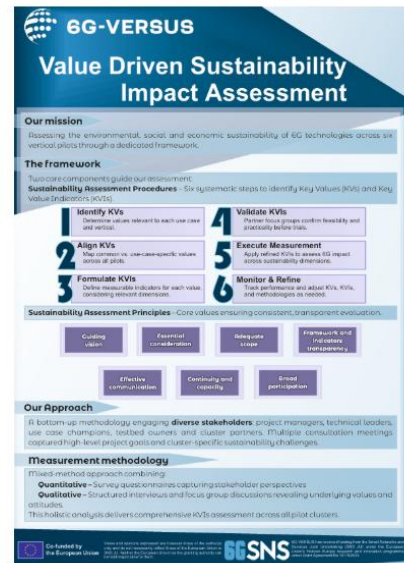
- 5G Fundamentals
- Evolution towards 6G
- Use Cases and Trials
- Innovation & Entrepreneurship

**Who is it for?**

- Students and early-stage researchers
- Industry engineers and vertical stakeholders
- Educators, trainers, start-ups, and innovators

Full pathway or selective pathway participation

6G-VERSUS Training Programme leaflet



**6G-VERSUS Value Driven Sustainability Impact Assessment**

**Our mission**  
Ensuring the environmental, social, and economic sustainability of 6G technologies across six vertical pilots through a dedicated framework.

**The framework**  
Two core components guide our assessment:  
**Sustainability Assessment Procedures** - Six systematic steps to identify Key Values (KVs) and Key Values Indicators (KVI).

- 1 Identify KVs**  
Determine values relevant to each use case and sector.
- 2 Align KVs**  
Map common or use-case-specific values across all pilots.
- 3 Formulate KVI**  
Define measurable indicators for each value, capturing relevant processes.
- 4 Validate KVI**  
Partner focus groups confirm feasibility and practicality before trials.
- 5 Execute Measurement**  
Apply refined KVI to assess 6G impact across sustainability dimensions.
- 6 Monitor & Refine**  
Track performance and adjust KVI, KVI, and methodologies as needed.

**Sustainability Assessment Principles** - Core values ensuring consistent, transparent evaluation.

- Coating value
- Fairness
- Reliability
- Transparency and Accountability
- Effective communication
- Continuing and capacity
- Equal participation

**Our Approach**  
Bottom-up methodology engaging **diverse stakeholders** project managers, technical leaders, use case champions, tested owners and cluster partners. Multiple consultation meetings, co-located high-level project goals and cluster-specific sustainability challenges.

**Measurement methodology**  
Mixed methods approach combining:  
**Quantitative** - Survey-based metrics capturing stakeholder perspectives  
**Qualitative** - Structured interviews and focus group discussions revealing underlying values and attitudes.  
This holistic onology delivers comprehensive KVI assessment across all pilot clusters.

Co-funded by the European Union

6G-VERSUS Value Driven Sustainability and Impact Assessment



**6G-VERSUS Venture Accelerator**  
Investor-ready ventures with validated business models & technical prototypes.

We are searching for  
**25**  
EU-Based Startups

**10-week Business Acceleration**  
September - November 2026

- Workshops & Mentoring
- Prototyping & Validation
- Investment Readiness

**Get launch updates**

Expression of Interest  
Open Call  
May - July 2026



6G-VERSUS Venture Accelerator Pre-announcement leaflet

## Upcoming Deliverables



- D1.3** – Project Management – Midterm – June 2026 – Sensitive
- D1.4** - Data Management Plan - Midterm – June 2026 - Public
- D5.2** – 6G trials validation and evaluation – Initial – June 2026 – Public
- D7.3** - Dissemination and Communication Activities Report (Initial) – June 2026 – Public
- D7.4** - Standardisation and Exploitation Report (Initial) – June 2026 – Public
- D7.5** - Ecosystem Building Activities and Set Up (Initial) – June 2026 – Public

<https://6g-versus.eu/deliverables/>

## SNS JU Newsflash/Newsletter

- **SNS JU Newsflash (January 2026):** <https://smart-networks.europa.eu/sns-ju-january-2026-newsflash/>
- **SNS JU Newsflash (February 2026):** <https://smart-networks.europa.eu/sns-ju-february-2026-newsflash/>
- **SNS JU Newsflash (March 2026):** <https://smart-networks.europa.eu/sns-ju-march-2026-newsflash/>
- **SNSJU Newsletter (January 2026):** <https://smart-networks.europa.eu/sns-ju-january-2026-newsletter/>



Join us!

<https://6g-versus.eu/>

