

Newsletter #2



Welcome to the second edition of the JULIA newsletter!

In this issue, we take a look at our recent milestones and share what's ahead for the JULIA project as we reached the midpoint of our journey! Explore our latest activities, upcoming plans, and where you can connect with us in the coming months. Stay informed and be part of the journey, don't miss the latest updates and insights from JULIA!

New partner onboard: welcome to Geonumerics!

The JULIA project is excited to welcome [Geonumerics](#) as a new partner!

Who is Geonumerics?

Geonumerics is an R&D company with deep expertise in geomatics. It brings extensive experience in high-precision positioning, sensor calibration, and system integration. Already active in several EUSPA projects, including JULIA's sister project, [egeniouss](#), Geonumerics will help develop market-ready applications leveraging Galileo's OSNMA and HAS services.

As part of JULIA, Geonumerics will integrate its NEXA system with INIT's Copilot device for deployment at pilot sites in Catalonia, Greece, and Slovenia. Applications include GNSS-authenticated distance-based ticketing and an autonomous shuttle service relying on HAS for real-time route validation.

With Geonumerics on board, JULIA strengthens its mission to deliver innovative, Galileo-enabled solutions for public transport across Europe.

Onboarding at the JULIA's General Assembly

The new partner was onboarded during the JULIA General Assembly that took place on 2 July at the Factual Consulting office in sunny Barcelona (hybrid). This meeting was a great opportunity to reflect on the progress of the project, and the pilot's launch!



JULIA coordinator team and Geonumerics at FACTUAL offices

Global Observatory

Satellite-based services for public transport purposes are identified and gathered in the Global Observatory of EU Space data & Services in Public Transport. It aims to quantify and communicate EU Space Service & Data uptake in the public transport sector worldwide. From Helsinki to Valencia, discover the [success stories of Galileo](#) use across Europe and navigate through the [map](#) !



Success stories of space technologies in public transport: hear about Luxembourg and Switzerland!



Luxembourg's national bus network is embracing Galileo-enabled GNSS as part of a fleet overhaul

The Administration of Public Transport (ATP) in Luxembourg has commissioned a nationwide upgrade of its fleet management infrastructure, focusing strongly on precision navigation and system resilience. As part of this initiative, 1,700 buses across the country will be fitted with next-generation on-



TPF Fribourg is deploying Galileo-enabled GNSS technology to make its fleet operations smarter

Transports Publics Fribourgeois (TPF) is undergoing a significant digital transformation by implementing advanced fleet management technology from INIT. A total of 250 vehicles will be fitted with advanced onboard systems, representing a significant stride towards smarter, more robust transport operations in the Swiss

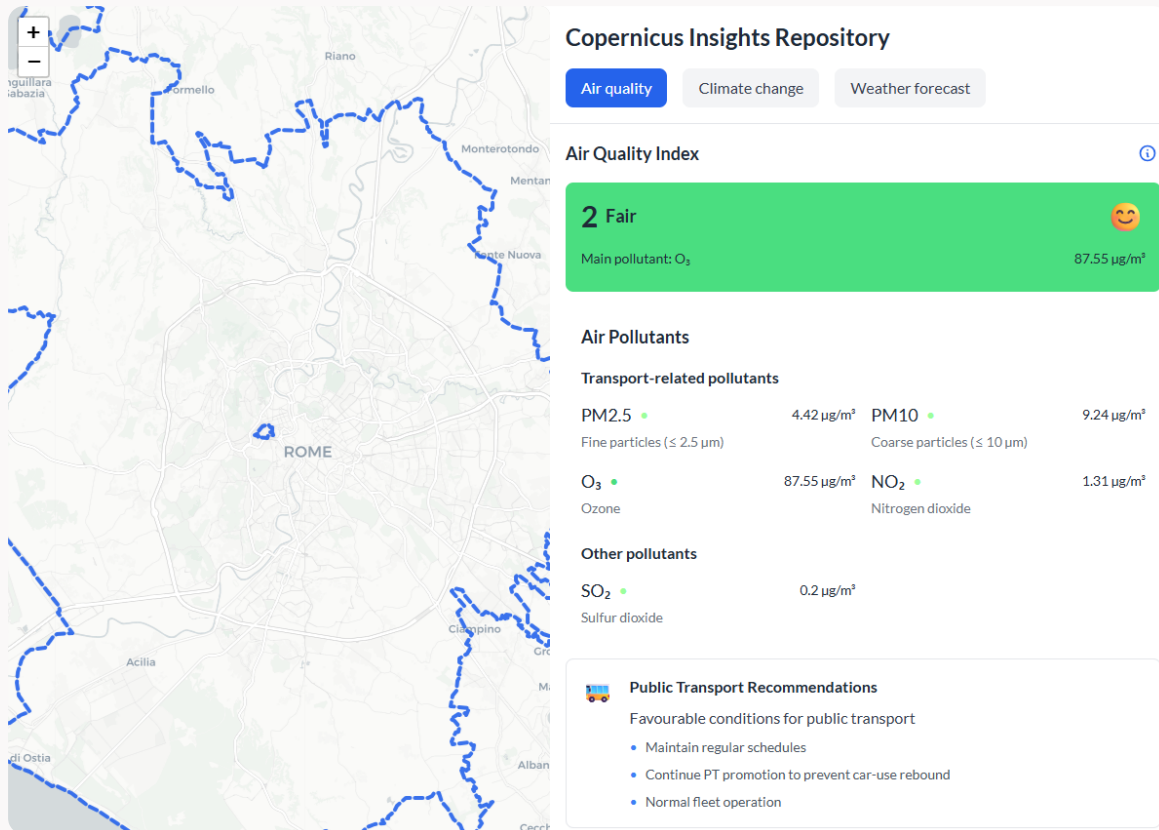
board systems powered by INIT's MOBILE-ITCS nextGen platform and multi-constellation GNSS receivers!

[Read more](#)

canton of Fribourg. This fleet size reflects the full bus network, all of which will be equipped with Galileo-enabled devices

[Read more](#)

The Copernicus insights Repository is now live!



The Copernicus Insights Repository is a dashboard initially designed for Public Transport Operators (PTOs), but its insights can be leveraged by anyone interested in environmental and operational decision-making. It brings together several modules:

- **Air Quality Module:** shows current, historical, and forecasted air quality data, allowing users to evaluate trends and receive actionable recommendations – for example, suggesting PTOs increase or make public transport free during high-pollution episodes.
- **Climate Change Module:** provides access to historical climate variables and benchmarking tools to assess long-term changes and impacts.
- **Weather Forecast Module:** includes rainfall and temperature forecasts, again with recommendations to PTOs, such as increasing fleet availability during heat waves to reduce public exposure.

More use cases and datasets will be progressively added, such as vegetation health monitoring and topographic models, making it a growing and

comprehensive platform for data-driven decisions.

Discover

News & Events

In order to disseminate our findings and engage with other projects and initiatives, JULIA members participated in several relevant events, among which:

JULIA at the ITS European Congress in Seville

JULIA had the opportunity to participate in the **ITS European Congress 2025**, taking place in Seville from 19 to 21 May 2025. The project was featured in the Special Interest Session (SIS)18 titled *“Mobility Data to Improve New Mobility Services – Are We There?”*.

Read more



FACTUAL team, ERTICO and CERTH at the ITS Congress

JULIA's hybrid General Assembly in Barcelona

On 2 July 2025, the JULIA Project Consortium gathered for a hybrid General Assembly hosted by the coordinator, FACTUAL, in Barcelona. The meeting provided a valuable opportunity to welcome Geonumerics as a new partner and strengthen the spirit of collaboration within the project!

GAMMS Final event

On July 11, JULIA was proud to take part in the [GAMMS](#) final event, a key gathering for experts in GNSS and advanced positioning technologies.

It was a great opportunity to:

- ◆ Connect with leading researchers and innovators
- ◆ Share insights on the future of GNSS
- ◆ Explore live demos and technical breakthroughs
- ◆ Engage in collaborative discussions through round tables



FGC partner at the GAMMS Final event

JULIA Review meeting in Slovenia: midpoint reached!



JULIA partners gathering at the review meeting in Slovenia

The JULIA partners have just gathered in Ljubljana for the mid-term review of the project, with the EU Agency for the Space Programme EUSPA and the project's reviewers.

We recently held a live demo showcasing JULIA's technical setup, featuring the INIT Group Copilot equipped with HAS/OSNMA capabilities. The hardware was successfully installed on an Arriva Slovenia bus, made possible by the collaborative efforts of the INIT and Geonumerics teams.

The demonstration route was planned using the Nemi DRT platform, illustrating seamless integration across multiple technologies.

As we move into the second reporting period of the JULIA project, pilot activities are actively underway in **Slovenia, Catalonia, and Greece**:

- **Keita Mobility Factory** is evaluating the safety of cycling infrastructure through its Lane Patrol tool.
- **EarthPulse** is delivering Earth observation data via the Copernicus program.
- **Osborne Clarke – Belgium** is monitoring legal compliance across the pilot sites.
- **Centre for Research & Technology Hellas (CERTH)** is leading the evaluation of the project's overall impact.

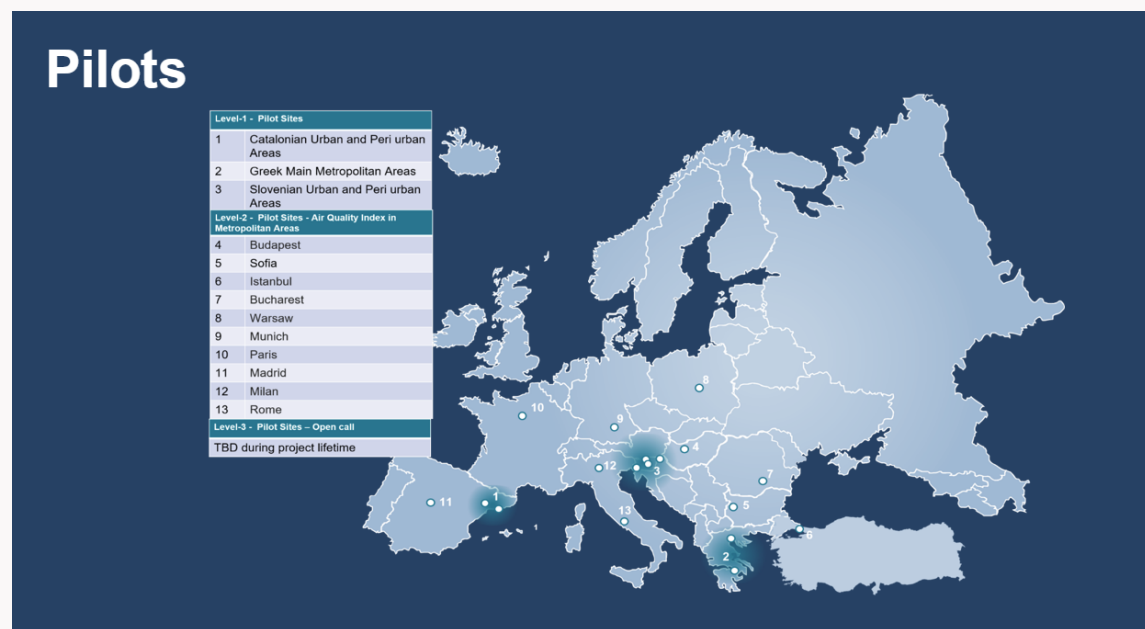
What is next for JULIA?

Launch of Level-1 pilots

The project features a three-level pilot structure. In September, the Level 1 pilots were successfully launched. Levels 2 and 3 are on the horizon: stay tuned for more details in our second newsletter!

Level-1 Pilots are testing a series of applications in three distinct geographical regions:

- Catalan urban and peri-urban areas (Barcelona, Lleida)
- Greek main metropolitan areas (Haidari - Athens, Thessaloniki)
- Slovenian urban and peri-urban areas (Domžale - Ljubljana, Ormož, Piran, Kranj).



In the following months you can find us in the following events:

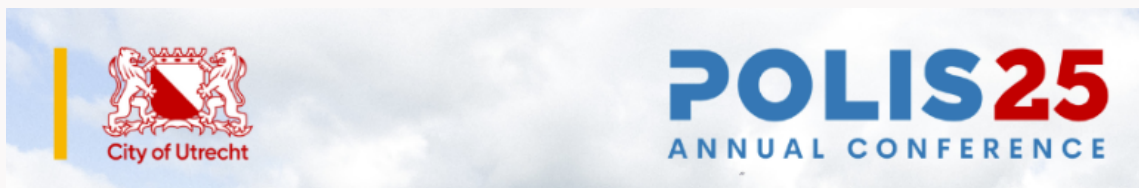
Tomorrow Mobility World Congress

Together with the sister project [egeniouss](#), JULIA will be presented at the next Smart City Expo, also known as Tomorrow Mobility World congress, taking place in Barcelona from 4 to 6 November 2025. The topics deal with clean, resilient and connected mobility. Do not miss this exclusive gathering of leaders in the field of Smart Mobility and Intelligent Transport Systems!



POLIS Conference 2025

JULIA will participate as a speaker with [egeniouss](#) to the POLIS Conference, taking place in Utrecht on 26 and 27 November 2025!



JULIA EU Project

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Rue de Trone 98, 1050, Brussels

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