

Space for Innovation in Rail

Towards Satellite-Based ERTMS | #Satellite4Rail

13-14 September 2023

Madrid, CEDEX, C. de Alfonso XII, 3, 28014

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Single System for Europe's Train Control Needs Satellite Technology

European Commission, European Union's rail system authority (ERA), Europe's Rail Joint Undertaking (EU-Rail), the European Union Agency for the space programme (EUSPA), and the Spanish Presidency of the Council of the European Union collaborate to leverage satellite technology for rail.

Madrid, 13 September 2023 – European Rail Traffic Management System (ERTMS) takes a step forward towards the future as the European Commission, the Europe's Rail Joint Undertaking (EU-Rail), the European Union Agency for Railways (ERA), and the European Union Agency for the Space Programme (EUSPA) jointly host an event that showcases the integration of European satellite technology into the rail sector. The event, slated for 13-14 September, places a specific focus on leveraging the EU Space programme components, including Galileo, EGNOS, and IRIS2, to transform the rail industry, ensuring it operates even safer, is more efficient, and provides high-quality customer service

European Commissioner for Transport Adina Vălean highlights the significance of this event, stating, "EU SPACE and GALILEO, EGNOS, and IRIS2 are technological enablers of cost saving in transport. The rail sector, especially EU railway infrastructure managers, will benefit hugely from these advances." Commissioner Vălean continues, "With this event, we are not only showcasing innovative research and solutions but also focusing on the benefits of their practical use, supporting their transition to market deployment. We are pursuing a wide array of innovations, including the digital automatic coupler and FRMCS, which promise to revolutionise the rail industry."

The event showcases the collective and synergetic strengths of the EU bodies that boost efficiency, safety, and sustainability in European rail transportation. By merging EU's vision for

Collaborating entities

a connected transport network, EU-RAIL's extensive R&I results, EU Space technologies, and ERA's regulatory expertise, we are reshaping the future of rail travel. The event underscores the shared commitment to enhancing European Union's rail infrastructure while minimising environmental impact, exemplifying the strength of collaboration in our pursuit of a more sustainable and efficient transportation system. This collaboration extends beyond satellite solutions and encompasses other vital technologies. It emphasises the close interaction with the Spanish Presidency, as the event is officially listed as an integral part of the Spanish Presidency events.

The event coincides with the European Year of Skills, highlighting the importance of developing a skilled workforce. Organisers have made a concerted effort to include female speakers on the panels and enhance diversity in the exhibition area.

In case you cannot join in-person, we kindly invite to follow the event online by accessing this [link](#).

You may consult the programme of the event [here](#).

For more information about the event and media inquiries, please contact:

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