

# Space for Innovation in Rail

Towards Satellite-Based ERTMS | #Satellite4Rail

13-14 September 2023

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

## Wednesday 13 September 2023

Event moderator: **Catherine Cieczko**, Chief Stakeholder Relations and Dissemination, EU-Rail

12:00 **Registration and light lunch**

13:00 **Welcome**

13:05 **Keynote speeches**

- **Raquel Sánchez Jiménez**, Spanish Minister of Transport, Mobility and Urban Agenda (invited)
- **Elżbieta Łukaniuk**, Member of Cabinet European Commissioner for Transport
- **María Luisa Domínguez**, President, ADIF
- **Anna Samsel van Haasteren**, Deputy Head of Unit, Directorate-General for Defence Industry and Space, European Commission
- **Video message**: Member of the European Parliament (tbc)

13:45 **Setting the Scene – Space for Expanding ERTMS Capabilities**

- **Elżbieta Łukaniuk**, Member of Cabinet European Commissioner for Transport
- **Matthias Ruete**, European Coordinator Trans European Transport Network (ERTMS)
- **María Luisa Domínguez**, President, ADIF
- **Rodrigo da Costa**, Executive Director, EUSPA
- **Josef Doppelbauer**, Executive Director, ERA
- **Giorgio Travaini**, Executive Director a.i., EU-Rail
- **Moderator: Keir Fitch**, Head of Rail Safety and Interoperability Unit, European Commission

14:30 **Coffee break**

15:00 **Bringing Innovation to the Market - Are Satellites on the Track?**

- **Introduction** by **Lea Paties**, Senior Programme Manager, EU-Rail and **Daniel Lopour**, Market Development Officer, EUSPA
- **CLUG2 – GNSS Onboard Localization Unit for ERTMS** | **José Bertolin**, Technical Affairs Manager, UNIFE
- **HELMET Project** | **Francesco Rispoli**, Director General, Radiolabs
- **EU-RAIL FP2-R2DATO Project** | **Frédéric Villot**, Project Director, SNCF
- **EU-RAIL FP6-FutuRe Project** | **Alessandro Mascis**, Vice-President Digital Intelligence, WABTEC

**Q/A Panel**

- **Stéphane Callet**, Head of CCS related innovative projects, SNCF
- **Thomas Gugler**, Technology Programme Manager, SBB
- **Ananthakrishna Irvathraya**, Expert for Digitalisation, DB
- **Iban Lopetegui**, Software Engineer, CAF
- **Vincent Passau**, System Innovation and Onboard Solution Director, Alstom
- **Gemma Maria Salazar Luque**, Vice President Strategy, Marketing and Technical Main Line Signalling, Thales
- **Fabio Senesi**, Senior Executive Manager, RFI
- **Antonella Trombetta**, Director of European Affairs, Hitachi
- *Moderator: Lea Paties*, Senior Programme Manager, EU-Rail JU

16:45 **Coffee break**

17:15 **Sector Representative View on Satellite Based Localization in ERTMS – from a Game-Changer to Reality**

- Impulse speech: **Maria-José Garcia Prieto**, Project Officer, ERTMS Unit, ERA

**Panel**

- **Philippe Citroën**, Director-General, UNIFE
- **Carole Coune**, Secretary General, Association of European Rail Rolling Stock Lessors (AERRL)
- **Alberto Mazzola**, Executive Director, CER
- **Michel Ruesen**, Managing Director, ERTMS Users Group (EUG)
- **Bardo Schettini Gherardini**, Director of Operations, European Rail Infrastructure Managers (EIM)
- *Moderator: Jo de Bosschere*, Head of ERTMS Unit, ERA

18:30 **End of day one**

19:00 **Dinner at the Museo Del Ferrocarril de Madrid, Pº. de las Delicias, 61 - 28045 Madrid**

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## Thursday 14 September 2023

09:30 - 11:00 **IRIS<sup>2</sup> - EU Satellite Communication as an option for ERTMS**

- Introduction: **DG DEFIS**  
**EUSPA**

### Panel

- **Ricardo Campo**, Programme Director, CEDEX
- **Pierre Le Corre**, Project Manager, SNCF
- **Emilie Masson**, Project Manager, Railenium
- **Fulvio Sansone**, Founding Partner and CTO neXat, SatADSL
- **Flavio Sbardellati**, Market Development Technology Officer, EUSPA
- *Moderator: TBC*

11:00 - 11:30 **Coffee break**

11:30 Presentation: **EU-Space Solutions in Technical Specifications for Interoperability (TSI) | Maria-José Garcia Prieto**, Project Officer ERTMS Unit, ERA

11:45 - 12:45 **Practical Steps towards Adoption of EU-Space Solutions in Rail Signalling**

### Panel

- **Valentin Barreau**, Train Localisation Project Manager, SNCF (*representing EU-Rail FA2*)
- **Jo de Bosschere**, Head of ERTMS Unit, ERA
- **Ian Conlon**, Head of System Pillar, EU-Rail JU
- **Fiammetta Diani**, Head of Market Downstream and Innovation Department, EUSPA
- **Jorge Iglésias**, Director of the Railway Interoperability Laboratory, CEDEX
- **Miguel Rodríguez Plaza**, Head of Area R+D+I Projects, ADIF
- **Philippe Michel**, Head of the Strategy and Programme Department at the Directorate of Navigation, European Space Agency (ESA)
- *Moderator: Daniel Lopour*, Market Development Officer, EUSPA

12:45-13:00 **Conclusions**

13:00 – 14:00 **Light lunch #EuropeanYearOfSkills**

14:00 **Site visits**

- a) **ADIF Traffic Control Centre at Atocha Railway Station** (10-15 minutes walking from the conference venue)
- b) **Atocha Railway Station** (10-15 minutes walking from the conference venue)
- c) **CEDEX Track Box Laboratory** (3 minutes walking from the conference venue)
- d) **CEDEX ERTMS Rail Interoperability Lab** (20 min bus ride provided with onward drop off to the airport)