

Welcome to the



Workshop on

ENERGY EFFICIENCY OF FUTURE TRAINS

4 October 2017
Roma, Italy



Agenda



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Moderators: Chloé Lima-Vanzeler, SNCF & Raimondo Orsini, SusDeF

11:30 Welcome Harald Jony, ÖBB – Chair UIC Energy Network

11:35 Alternative Fuel Technologies

Hybrid traction (Ph. Clément & F. Dégardin, SNCF)

Natural gas traction (B. Ivanov, RZD)

Biogas train in Sweden (B. Carlson, Tekniska Verken)

Perspective and challenges for biofuel (V. Aneris, Transport & Environment)

12:40 Infrastructure for energy efficiency

Li-ion trackside energy storage solution (P. Prenleloup, SAFT)

Reversible substations for conventional lines (G. Castañares, RENFE)

Innovation technologies towards energy efficiency (C. Spalvieri, RFI)

13:20 Lunch

14:15 State of the Art of Innovative Energy Efficient Rolling Stock

UNIFE: Energy efficient innovation (H. Voelker, BT/Roll2Rail)

Rolling Stock Manufacturers

F. Belmonte, ALSTOM

S. Ferrarini, WABTEC

Procuring Energy Efficient rolling stock (M. Montefiori, EUROFIMA)

15:30 Next Generation Trains

Hydrogen Trains (E. Geensen, ALSTOM)

NGT Next Generation Train (H. Dittus, DLR)

Hyperloop (P-E. Gautier, SYSTRA)

Shift2Rail perspectives (G. Travaini, Shift2Rail)

UIC Research and innovation Roadmap (A. Gougelet, UIC)

16:50 Conclusions and next steps

17:00 End of the day