

# MARATHON 2 OPERATION (M2O)

MAke RAil The HOpe for protecting Nature 2 future OPERATION

*Radio communication and simulation of train dynamics for Distributed Power within long trains*



MAke RAil The HOpe for  
protecting Nature 2 future  
OPERATION



Grant Agreement  
Number **826087**



# Introduction



Up to 4 TUs  
and 1500m

Assessment



N I E R



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# Agenda

09:15 Connection and setup

09:30 M2O, FR8RAIL II: Welcome

09:40 NEWO-FWK-UIC: Type of train consists (addressed traffic) and radio solutions between locomotives

10:10 Q&A

10:20 UNITOV: Simulations, sensitivity analysis, 2, 3 and 4 locomotives and up to 1500m trains, randomly loaded. Simulations for experimental test campaign (2021)

10:50 Q&A

11:00 NIER: General concept of trains' safety

with Distributed Power Systems, general operational mitigations and procedures

11:20 TUV: Assessment of functional safety and simulations

11:30 Q&A

11:40 Break

11:55 NEWO: Roadmap to future implementation and support to stakeholders

12:15 DB Cargo: Future application of research results

12:25 Conclusions



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