

R&D PROJECT

PARTNERS

Alstom Transports SA (Coordinator)
Bombardier Transport France
Bombardier TR. GMBH
Alstom Deutschland GmbH
Ad. de Infra. Ferroviarias
I y E. del Trans.SME MP SA
Renfe Operadora
Const. y Aux. Ferrocarriles SA
Const. y Aux. Ferrocarriles Inv.
Caf Power & Automation SL
Caf Turnkey & Engineering
Cetest SL
Centro Tecnológico CEIT
Deutsche Bahn AG
DB Systemtechnik GMBH
DB Netz AG
DB Energy GMBH
DB E. & C. GmbH
Deutsches Zentrum Fur Luft
Centro de estudios materiales
Comsa SA
Fundación Tekniker
Faiveley transport SAS
Faiveley transports Italia
Faiveley transports Leipzig
Faiveley transports Tour
Faiveley transports Amiens
Ferrovie Dello Stato Italiane
Rete Ferroviaria Italiana
Trenitalia SPA
Hitachi Rail
Patentes Talgo SL
The Norwegian Railway
Institut for Energiteknikk
Knorr Bremse GM
Knorr Bremse España
Knorr Bremse Vasuti
Obb Technische Services
Polskie Koleje Panstwowe
Akademia Gorniczo-Hutnicza
Instytut Elektrotechniki
SIEC Badawcza Tek.
SIEC Badawcza Mech.
Politechnika Poznanska
PKP Energetyka
Instytut Kolejnictwa
Centralny Port Kimunikacyzny
Infrabyte sp. z o.o.
Polski Koncern Naftowy Orlen SA
Wojskowa Akademia Techniczna
Union Inter. des Chemins de Fer
Prorail BV
Technische Universiteit Delf
Nederlandse Org. Voor Toegepast
Stichting Deltares
NS Reizigers BV
Stichting Christeluke Hogeschool
Universiteit Twente
Siemens Mobility GMBH
Siemens Mobility Austria
Societe Nationale SNFC
SnCF Reseau
SnCF Voyageurs
Universite Gustave Eiffel
Strukton Rail Nederland B.V.
Strukton Power B.V.
Trafikverket
Chalmers Tekniska Hogskola AB
Kungliga Tekniska Hoegskolan
Linkopings Universitet
Lulea Tekniska Universitet
Lunds Universitet
Rise Research Institutes of Sweden AB

Title of the project

Green and sustainable rail systems

Acronym

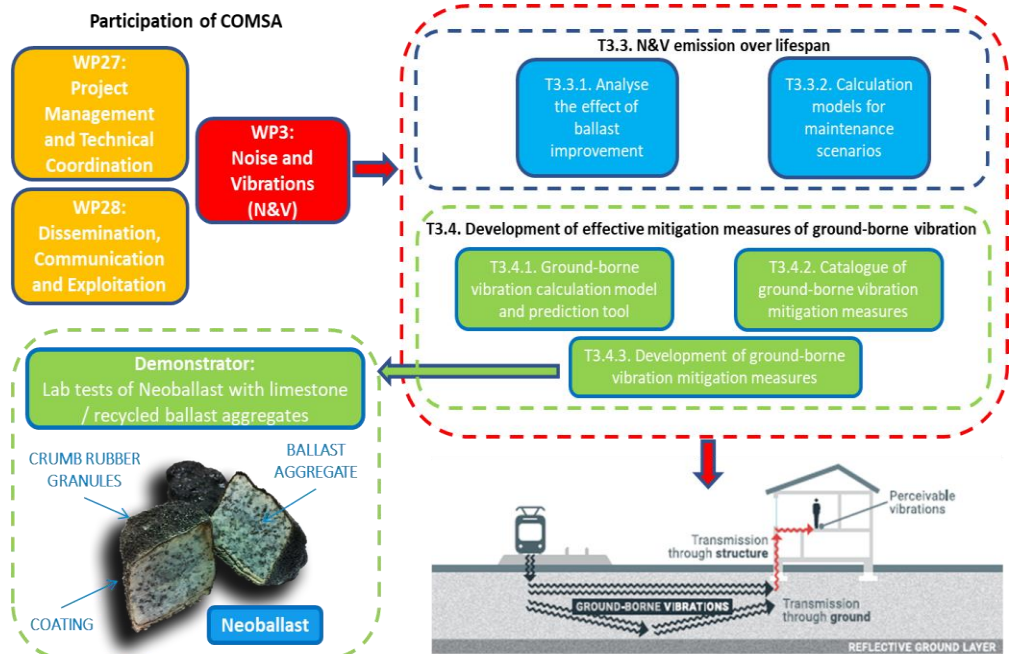
Rail4EARTH

Content of the Project

The consortium carrying out the project is made up of world-renowned partners: operators, trains and subsystems, manufacturers, research and technology laboratories. The consortium will perfectly identify the precise needs of the operators including implicitly the European public policies of sustainable transport, including the climate neutrality of Europe by 2050, providing the necessary scientific and technical solutions through development and demonstrations.

General objectives

The scope of the Rail4EARTH project, co-financed by the Europe's Rail Joint Undertaking under the call HORIZON-ER-JU-2022-FA4-01, is to improve the existing sustainability performance of railways in order to build a more attractive and resilient mode of transport.



Business area: Infrastructures

Duration: Dec 2022- Nov 2026

Budget consortium: €95.100.000,00

Budget COMSA €523.000,00

Keywords: Energy management, trains, HVAC systems, air quality

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