

Virtual certification of acoustic performance for freight and passenger trains

D6.1 – Public external website

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Document status		
Revision	Date	Description
1	08/02/2012	First issue
2	08/02/2012	Final version

Project co-funded by the European Commission within the Seven Framework Programme (2007-2013)		
Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Start date of project: 01/10/2011

Duration: 36 months

Collaborative project

EXECUTIVE SUMMARY

This deliverable's intention is explaining how the ACOUTRAIN public portal of the project is configured. This website shall be used as point of reference for people interested in the project. Outside the consortium, it is important that the actors of the rail sector are informed about the development of the ACOUTRAIN project.

The main functionalities for the public portal are the following:

- information about the project;
- information about the beneficiaries;
- News & events



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1. INTRODUCTION

The ACOUTRAIN website (<http://acoutrain.eu/>) is divided in two parts: the public portal and the private portal or document repository.

The public portal aims at showing the main information about the project on the Internet, informing about the project, the actors and the results to be achieved. All public deliverables will be available at the project web site. All technical deliverables will have at least a publishable executive summary that will appear on the public website.

The document repository aims at storing and sharing project documents, keeping them well organised and available for the beneficiaries. It is a tool which allows following up meetings, work progress and actions at different levels.

Beneficiaries have access to the document repository and are responsible for the upload of documents they are in charge of. Work Packages leaders have to update the repository with the related documents to a meeting, such as minutes, agendas, presentations, action lists, deliverables, etc. Each document and meeting should be linked to the related Work Package or team/group in order to ensure a correct store and facilitate the search of documents and meetings.

Automatic notifications will be sent to the interested beneficiaries whenever events (uploads of new or updated documents, arrangement of meetings, etc.) occur within the document repository.

2. STRUCTURE OF THE PUBLIC PORTAL

2.1 MENU

The main menu is situated on the top of the public portal:

- Home: main page of the portal, giving a general introductory overview
- About: key drivers, scope and result of the project
- Structure: project organisation and management structure and work flow
- Objectives: main achievement to be done
- Partners: list of beneficiaries, linking their websites
- News: information about progresses and events of the project
- Contact details

2.1 SCREENSHOTS

ACOUTRAIN

Members Area

HOME ABOUT STRUCTURE OBJECTIVES PARTNERS NEWS CONTACT
 Acoutrain Project Project Structure Project Objectives Project Partners News & Events Get In Touch

About Project
 ACOUTRAIN – Virtual certification of acoustic performance for freight and passenger trains
[Read More >>](#)

Project Structure
 ACOUTRAIN is a FP7 project with a duration of 36 months. The project was kicked-off on the 11th of October, 2011 in Brussels.
[Read More >>](#)

Objectives
 ACOUTRAIN Project Objectives...
[Read More >>](#)

Partners
 ACOUTRAIN Project Partners...
[Read More >>](#)

Welcome to the website of the ACOUTRAIN - Virtual certification of acoustic performance for freight and passenger trains - R&D project.

Recent News & Events
[UNIFE Press Release, 2011/10/16](#)

Why do we need ACOUTRAIN?

ACOUTRAIN will simplify and improve the acoustic authorization of new rolling stock, in particular relating to the TSI (Technical Specifications for Interoperability) Noise. Today the tests required for a new vehicle according to the TSI Noise are really cost and time consuming. The ACOUTRAIN projects goal is to speed up the vehicle authorisation process by introducing some elements of virtual testing while retaining the same degree of reliability and accuracy. A successful simplification of the TSI conformity assessment process would result in the strengthening of the competitiveness of the European railway sector. The risk of not developing such a simplification is that the expense of excessive certification of new products will hamper the introduction of new innovations. This would mean that the old, noisier rolling stock will have to stay in service longer, and reduce the quality of life of the many EU citizens living and working in the vicinity of railway tracks.

How and what will ACOUTRAIN achieve?

The major outcome of the ACOUTRAIN project will be a new certification process including some elements of virtual testing. This will be ready for inclusion in the next "full revision" of the TSI Noise, planned in 2013. The R&D work program will be implemented with the following structure:

- Establishment of procedures for a virtual certification of acoustic performances of freight and passenger trains (WP1);
- An improvement and harmonization of the rolling noise characterization process (WP2);
- Establishment of methodologies to measure other noises sources (WP3);
- A methodology to validate global tools for pass-by noise and standstill noise predictions so that they can be used as part of future certification (WP4);
- A validation of the procedure range for the virtual noise certification (WP5).

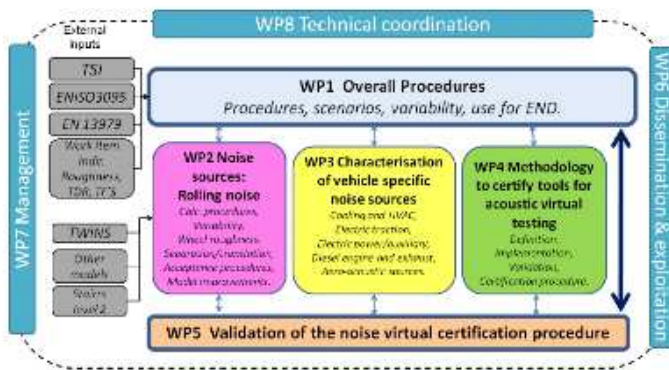
A significant part of the project is dedicated to the relationship with the European Railway Agency, the Notified Bodies, the Standardization bodies and National Safety Authorities to ensure that the objectives of the project are well connected with their expectation.

Project Partners

PROJECT STRUCTURE

Quick Search

Under the Seventh Framework Programme (theme SST.2011.2.5-1, Rail system interoperability (regulatory and non-legislative interoperability based on technological innovations)), ACOUTRAIN is a project with a duration of 36 months. The project was kicked-off on the 11th of October, 2011 in Brussels.



[• WP1: Procedures for a virtual certification of acoustic performances of freight and passenger trains](#)

[• WP2: Noise Sources: Rolling noise](#)

[• WP3: Characterisation of vehicle specific noise sources](#)

[• WP4: Methodology to certify tools for acoustic virtual testing](#)

[• WP5: Validation of the noise virtual certification](#)

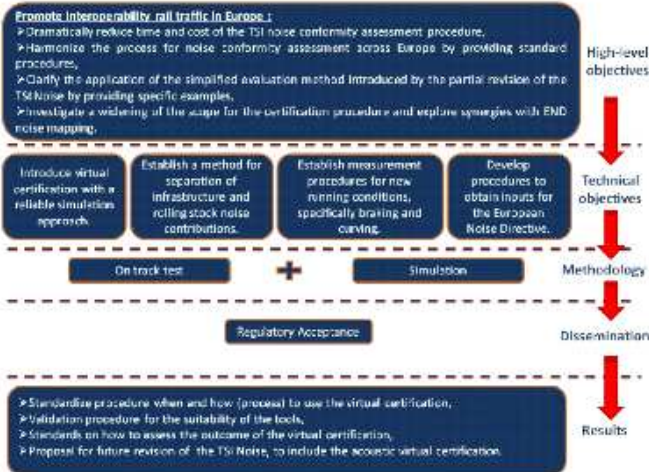
[• WP6: Dissemination and exploitation of the results](#)

[• WP7: Project management](#)

[• WP8: Technical Coordination](#)

OBJECTIVES

Quick Search



QUICK MENU

- > Home
- > About
- > Structure
- > Objectives
- > Partners
- > News
- > Contact

LATEST NEWS

UNIFE PRESS RELEASE

14 | 10 | 2011 - Kick off of two new EU R&D projects: Acoutrain and Euremo

Tuesday 11th of October saw the kick-off event for UNIFE's two new EU...

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UNIFE PRESS RELEASE

Quick Search

14 | 10 | 2011 Kick off of two new EU R&D projects: Acoutrain and Euremco

Tuesday 11th of October saw the kick-off event for UNIFE's two new EU R&D projects, Acoutrain and Euremco. These projects began officially on October 1st, and are part funded by the European Commission under the Seventh Framework Programme.

The event was attended by partners of both projects from across Europe. Partners came from as far North as Sweden, as far South as Italy from the UK in the West to Poland in the East. France, Germany, Switzerland, Spain and the Czech Republic were also represented. Acoutrain has 15 partners, while Euremco has 18 organisations participating.

During the morning joint session, the partners heard presentations from the European Commission, as well as a welcome address from Philippe Citroën, Director-General of UNIFE. In the afternoon, the partners in each project listened to presentations from the leaders of each of the Work Packages.

ACOUTRAIN will simplify and improve the acoustic certification process of new rolling stock. Today the need for conformity assessment for a new vehicle according to the Technical Specification for Interoperability Noise represents a significant element of both cost and time to market due to the need to carry out expensive and time consuming tests.

The goal of the project is to speed up product authorisation by introducing elements of virtual testing while retaining the same degree of reliability and accuracy. A successful simplification of the TSI conformity assessment process would result in a strengthening of the competitiveness of the European railway sector. This will be ready for inclusion in the next "full revision" of the TSI Noise, planned in 2013.

The objective of Euremco is to harmonise and reduce the certification process of rail vehicles against Electromagnetic Compatibility (EMC). The main concept of the project is to specify the conditions for cross-accepted certification all around Europe, through so

