





This project is co-funded by the European Commission with the FP7

RESTRAIL at a glance

Where are we now?



Research project

Funded by the European Commission (Seventh Framework Programme)



3 Year Project starting October 2011 (Total Budget € 3,870,000)



RESTRAIL aim

The aim of the RESTRAIL project is to reduce:

- The occurrence of suicides and trespass on railway property and
- The service disruption and other consequences these events cause

by providing the rail industry with an analysis and identification of cost effective prevention and mitigation measures.



RESTRAIL Consortium



Coordination by UIC (Security division)

7 UIC members :

DBAG, FFE, IK, INFRABEL, PRORAIL, TCDD, TRAFIKVERKET

3 research centres: VTT, CIDAUT, IFSTTAR

3 universities: HMGU, KAU, Unott

3 industries: ASTS, MTRS3, NICE RESTRAIL

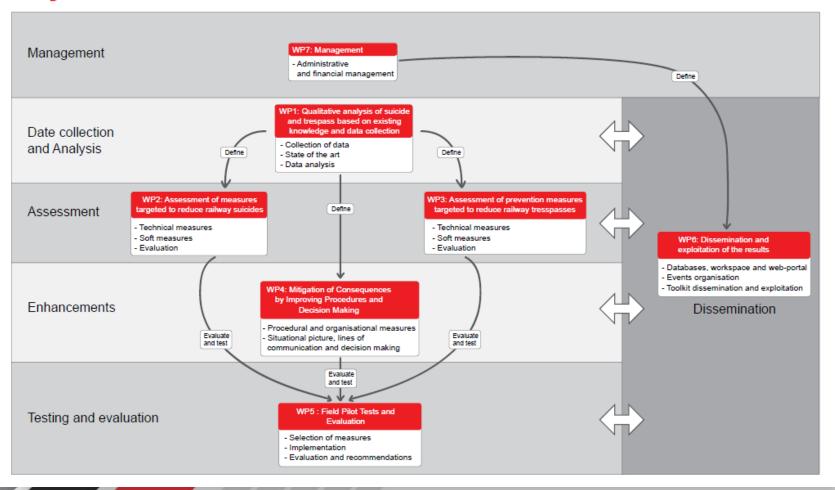
Where are we now?

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RESTRAIL - Project structure

Project structure





Main results of WP1

- A description of the state-of-the-art
- up-to-date statistics on railway suicides and trespassing accidents compiled from different sources,
- information on possible countermeasures to prevent railway suicides and trespassing accidents,
- analysis of the consequences of railway suicides and trespassing accidents, and
- data on the behaviour of victims prior to the incident.



WP2 + WP3 Key achievements

Maria Hedqvist, Trafikverket Jean-Marie Burkhardt, IFSTTAR



Our findings

- No integrated classification
- 86 heterogeneous measures grouped in 38 families
- We soon found similarities and differencies

Fences and barriers Mosquito sound CCTV Collaboration

Landscaping Training of staff Airbags Education





Key achievements

- Method and process to evaluate measures (July 2012)
- Evaluation of measures (February 2013)
 - Long and short forms
 - Workshops to evaluate and gather information
 - Evaluation by stakeholders
 - Evaluation of effect by experts
- Guidance for selection and implementation







RESTRAIL Mid term conference, Paris, 12 June 2013



Key achievements

- recommended/promising measures
 - To prevent suicide 10
 - To prevent trespass 4
 - To prevent both 8





System Components

_Video Camera: daytime color and nighttime black and white.

Infrared Illuminator: floods the scene with infrared lighting during nighttime, triggered by photoelectric sensor, invisible to human eye.

Speaker: connected to a telephone line so that an authorized official can dial in and warn the trespassers via the amplified speaker system.

Motion Detector: dual-technology motion detector combining stereo Doppler microwave technology (motion detection) with a dual element passive infrared sensor (heat detection).

Magnetometer: used to screen out trains.



Key achievements of WP4 – mitigation measures

Knowledge platform



- Response arrangements
- Information management & communication
- Decision making processes for traffic restoration

Information management



- Functional specification document
- Prototype (NICE Situator)

Decision support



- Line restoration model
- Integration of the model with the information management software



RESTRAIL information

- Website www.restrail.eu
- Private workspace http://ovidentia.uic.org/
- Brochure, newsletter Conferences and workshops



Coordinator contact <u>colliard@uic.org</u>; <u>bonneau@uic.org</u>



Thank you for your attention



Website: http://www.restrail.eu/



REduction of Suicides and Trespasses on RAILway property









Welcome in RESTRAIL project website

The aim of the RESTRAIL (REduction of Suicides and Trespasses on RAILway property) project is to reduce:

- The occurrence of suicides and trespass on railway property and
- The service disruption and other consequences these events cause

by providing the rail industry with an analysis and identification of cost effective prevention and mitigation measures."

RESTRAIL brochure







Highlights



RESTRAIL: Info Day

RESTRAIL enews

RESTRAIL project: Reduction of Suicides and (...)

The First RESTRAIL Info Day was held in Paris on 13 June 2012, Around 50 participants attended this meeting. The objective was to provide the members of the project's advisory group with RESTRAIL's preliminary results. After a general (...)

European Research Project RESTRAIL "REduction of (...)

RESTRAIL is a collaborative project selected by the European Commission as part of the 4th "transport" call for proposals under the 7th Framework Programme for Research and Development. RESTRAIL aims to reduce the occurrence of suicides and (...)

About

Project structure

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Consortium

Advisory Board

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Members area



Coordinated by **LIC**

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